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Preliminary Assessment for SWMU #2 and SWMU #38

Sequoia and Kings Canyon National Parks
Tulare County, California

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ACRONYMS AND ABBREVIATIONS

Ash Mountain	Former Ash Mountain Incinerator Burial Pit (SWMU #2)
CCC	Civilian Conservation Corps
DTSC	Department of Toxic Substances Control
DWR	Department of Water Resources
ECM	Environmental Cost Management, Inc.
EDR	Environmental Data Resource Inc.
EPA	(U.S.) Environmental Protection Agency
Grant Grove	Former Grant Grove Incinerator (SWMU #38)
GPS	Global Positioning System
HRS	Hazard Ranking System
NAIP	National Agriculture Imagery Programs
NEPA	National Environmental Policy Act
NPS	National Park Service
NFRAP	No Further Remedial Action Planned
PA	Preliminary Assessment
RCRA	Resources Conservation and Recovery Act
SEKI	Sequoia and Kings Canyon National Parks
SWMU	Solid Waste Management Unit
USGS	United States Geological Survey

EXECUTIVE SUMMARY

Environmental Cost Management, Inc. (ECM) conducted Preliminary Assessments (PAs) at two Solid Waste Management Units (SWMUs) in Sequoia and Kings Canyon National Parks (SEKI). These investigations were performed to collect information concerning site background, operational history, and current environmental conditions at the sites sufficient to assess potential threats posed to human health and the environment and determine whether additional characterization is needed. The primary source of waste constituents reportedly associated with the SWMUs based on previous investigations is buried ash at SWMU #2 and burn pit debris at SWMU #38.

ECM conducted site visits to define the project setting and document environmental conditions. Published documents and historical data and reports contained in files maintained by the National Park Service (NPS) were reviewed to compile and document available information for each site and identify evidence of potential releases to the environment. In addition, site data and information pursuant to the National Environmental Policy Act (NEPA), compiled by Environmental Data Resource Inc. (EDR), were evaluated.

Based on the visual evidence, environmental setting, and historical information, specialized software (HRS Quickscore Version 3.0.5) was used to score SWMU #38 according to U.S. Environmental Protection Agency's (EPA's) Hazard Ranking System (HRS). One site, SWMU #2, was not evaluated using the scoring software because no evidence of burn ash or environmental threat was documented. SWMU #38 received an HRS score of 13.78. Typically, sites that score less than 28.50 receive a no further remedial action planned (NFRAP) recommendation. However, ECM prepared preliminary conceptual site models for human and ecological receptors indicating potentially complete pathways for surface soil, surface water, and stream sediments. Therefore, ECM recommends additional investigation at SWMU #38 consisting of soil sampling at selected locations around the former SWMU #38 ash burn pit for waste delineation and characterization and downgradient migration.

1 INTRODUCTION

At the request of the National Park Service (NPS), Environmental Cost Management, Inc. (ECM) conducted Preliminary Assessments (PAs) to evaluate the potential for release of hazardous constituents related to historical operations and waste management activities at two Solid Waste Management Units (SWMUs) in Sequoia and Kings Canyon National Parks (SEKI, **Figure 1**). These sites are SWMU #2, Former Ash Mountain Incinerator Burial Pit (Ash Mountain SWMU #2) and SWMU #38, Former Grant Grove Incinerator (Grant Grove SWMU #38). The PAs were conducted in accordance with the *Preliminary Assessment Work Plan for SWMU #2 and SWMU #38 at Sequoia and Kings Canyon National Parks* (ECM, 2013).

The PAs were conducted to meet the following objectives:

- Identify, describe, and document past and present practices and processes related to storage, use, and disposal of hazardous materials.
- Identify routine and non-routine activities that may have led to releases of hazardous constituents into the environment.
- Determine operational history including when specific hazardous material management practices began and ceased; the type and quantity of substances involved; and locations where storage, use, and disposal activities occurred.
- Evaluate the U.S. Environmental Protection Agency (EPA) Hazard Ranking System (HRS) score associated for each site.
- Evaluate available information and recommend appropriate further action at the sites.

The scope of the investigation included review of available local, state, and federal agency file information; a preliminary evaluation of potential impacts to site media; identification of potential migration routes, exposure pathways, and receptors; a site inspection/reconnaissance; and interviews with NPS personnel.

1.1 GENERAL SITE SETTING

The Sequoia and Kings Canyon National Parks are located in the southern Sierra Nevada Mountain Range near Three Rivers, California (**Figure 1**). Sequoia and Kings Canyon National Parks were created by separate acts of Congress but share miles of common boundary and are managed as one park. Climatic conditions within the parks vary greatly by elevation, which ranges from 1,500 feet above mean sea level in the foothills to 14,494 feet above mean sea level at the highest point, Mount Whitney. The Sierra Nevada foothills are characterized by mild, wet winters and hot, dry summers. Precipitation usually occurs from January to mid-May; rain in the summer is rare. Average rainfall is about 26 inches annually.

2 RECORDS REVIEW

Prior to the site reconnaissance visit, ECM obtained and reviewed:

- Department of Toxic Substances (DTSC) Resource Conservation and Recovery Act (RCRA) Assessment Reports (DTSC, 1997, 2010, and 2013);
- Environmental Data Resources Inc. (EDR) database search reports (**Appendix B**);
- Sequoia and Kings Canyon internet files (http://www.nps.gov/seki/index.htm);
- DTSC EnviroStor database (http://www.envirostor.dtsc.ca.gov/public); and
- Topographic maps (EDR 2013, **Appendix B**).

During the site reconnaissance visit, ECM conducted a search of the NPS archived files for the sites, including:

- NPS agency correspondence documents pertaining to SWMU #2 and SWMU #38 (**Appendix F**); and
- Applicable geologic maps (USGS, 1994).

2.1 AERIAL PHOTOGRAPHS

Historical aerial photographs supplied by EDR and the NPS were reviewed for evidence of past development and land disturbances at SWMU #2 and SWMU #38. The dates of the aerial photographs range from 1948 to 2012. Aerial photographs from the National Agriculture Imagery Program (NAIP) acquired in 2010 were also reviewed. **Figures 2** and **4** depict side-by-side comparison of historical and recent aerial photographs of SWMU #2 and SWMU #38, respectively. **Appendix G** includes additional historical aerial photographs obtained from NPS and EDR.

2.2 INTERVIEWS

ECM interviewed current and former NPS personnel and a local water well driller to obtain information about the sites' current and historical use. The following telephone interviews are included in **Appendix E**:

- Mr. Jack Vance, SEKI Maintenance Supervisor
- Mr. Jack Fiscus, Former SEKI Employee (employed at SEKI 1967 to 2009)
- Mr. Leroy Malloy, Former SEKI Employee (employed at SEKI 1968 to 1997)
- Mr. Roy Lee Davis, Former SEKI Employee (employed at SEKI 1968 to 1994)
- Mr. Gary Bornholdt, Former SEKI Employee (employed at SEKI 1994 to 2004)
- Mr. Dennis Rhodes, John Drilling Co. (owner 1975 to present)

The SEKI Site Safety Manager, Mr. Todd Payne, personally accompanied ECM staff on the site reconnaissance visits and provided electronic and hard copy materials for review. General information provided by Mr. Payne is not documented as an interview, but is included as NPS site information.

3 SITE VISITS

SWMU #2 and SWMU #38 were inspected during site reconnaissance visits on November 11 and 12, 2013, by Holly Trejo, California Professional Geologist (ECM) and Chris McCormack, Geologist (ECM) with guidance and general assistance from Mr. Todd Payne, SEKI Site Safety Manager. During the visits, site features and boundaries were mapped using Global Positioning System (GPS) technology. Both SWMUs were inspected for evidence of possible hazardous materials or indications of significant spills of hazardous chemicals. Digital photographs were acquired to document site accessibility and security. ECM sketched surface drainage features and the direction of surface runoff flow as well as the location of gravel and asphalt stockpiles on and near the sites. Site geology, topographic features, and indications of stressed vegetation or impact on wildlife were noted, if present.

Photographs of the sites are presented in **Appendices C** (Ash Mountain SWMU #2) and **D** (Grant Grove SWMU #38).

4 SWMU #2 – FORMER ASH MOUNTAIN INCINERATOR BURIAL PIT

The PA site inspection of SWMU #2 was conducted on November 11 and 12, 2013. The area is accessible via an unpaved road located approximately 0.25 mile north of the park entrance in Three Rivers (**Figure 2**).

4.1 SITE HISTORY AND PREVIOUS INVESTIGATIONS

The Former Ash Mountain Incinerator, designated as SWMU #1, was operational from 1929 until 1965 (DTSC, 2010). The incinerator was dismantled in 1966 and the pad area was used to store hazardous waste between 1970 and 1990; the pad was decontaminated in 1991 (DTSC, 2010). DTSC accepted closure certification for SWMU #1 in 1994 (DTSC, 1997 and DTSC, 2010).

In the DTSC RCRA Facility Assessment prepared in 1996-1997, DTSC photographed a small pile of mixed material (possibly soil, gravel, and green waste with some campfire ash) and labeled it as the ash burial pit (SWMU #2) associated with the former Ash Mountain incinerator (DTSC, 1997). **Figure 3** shows the location where this photograph was taken and **Appendix C** shows the original image adjacent to a recent photograph of the same area. The SWMU #2 ash pit was reportedly used to bury ash from the incineration of domestic and concession waste generated in the parks and was 10,000 square feet in area and 20 feet deep (DTSC, 1997). Prior to the 1997 report, no burial pit was documented in association with the Ash Mountain incinerator.

In the 2008 RCRA Facility Assessment Questionnaire and Supplemental Documentation (NPS, 2008) the associated ash burial pit, designated SWMU #2, was located approximately 50 feet southeast of the former incinerator and storage area, at latitude 36°29'13.33"N, longitude 118°50'32.24"W, which is the location where a metal storage building was constructed in the late 1970s (**Figure 3**).

DTSC conducted a visual site inspection in October 2008 and indicated “limited evidence of the burial pit was observed downhill from the former incinerator (DTSC, 2010). The photograph included shows a telephone pole and the hillside corresponding to the 1997 image. The photograph does not depict any evidence of ash or waste material.

4.2 PA SITE RECONNAISSANCE AND RESULTS

At the time of the site inspection a metal storage building was standing where the SWMU #2 burial pit was reportedly located. ECM geologists found no visual surface evidence of burn debris. Several potholes, approximately 1.5 to 2 feet deep, were dug with a shovel and post-hole digger around the metal building in the area where the ash pit was reportedly located (**Figure 3**). **Appendix C** includes photographs of the potholes. Soil encountered during the pothole investigation consisted 0 to 2 inches of coarse to fine sandy loam and clay topsoil, followed by approximately 1 to 2 feet of silty sand with clay, underlain by fractured granitic rock of Mesozoic age (EDR, 2013a). No odor or discolored soil was observed during the pothole investigation and no evidence of ash from the incineration of domestic and concession waste was observed. Based on the field evidence, the SWMU #2 burial pit did not appear to be present at the reported location.

ECM also investigated the area around the telephone pole, and the hillside where the 1997 photo was taken (See **Appendix C**, Photographs 5 through 7). Again, potholes were dug and soils were inspected. All soil material appeared to be native and no evidence of burn waste was observed.

Review of aerial photographs from the mid- to late-1960s show no indication of a disturbed area that could be the ash burial pit reported in the vicinity of the former Ash Mountain incinerator. Furthermore, the area (100 feet by 100 feet) that was suspected of being the pit has been vegetated with large trees as shown in these photographs (**Appendix G**). **Figure 2** shows a side-by-side comparison of 1966 and 2010 aerial photographs.

Former SEKI employees who worked at the park shortly after the incinerator was dismantled report that they have no recollection of an ash burial pit present in the vicinity of SWMU #2. Some speculate that Civilian Conservation Corps (CCC) workers transported the ash to the burial pit at Cedar Grove, which has received clean closure (DTSC 2008). One former employee, Mr. Jack Fiscus, who was involved in erecting the metal building, confirmed that no ash debris material existed at the time the building's foundation was installed (**Appendix E**). ECM interviewed the former SEKI Health and Safety Officer, Mr. Gary Bornholdt, who was present during the DTSC site inspection in 1996 (DTSC 1997). He reported that he did not provide the information to the DTSC inspector, which later appeared in the report. Specifically, he did not provide the ash burial pit dimensions "100 ft by 100 ft by 20 ft" cited in the report. It was Mr. Bornholdt's duty during his employment to note all areas of potential hazardous waste within the park. He did not know of any site at Ash Mountain, other than SWMU #1, which he helped to close (**Appendix E**).

4.3 REGULATORY ACTIVITY

In March 2012, the DTSC completed the *A7615 Assessment Report, Sequoia and Kings Canyon National Parks, 47050 Generals Highway, Three Rivers, California,* that included six SWMUs in the parks (DTSC, March 26, 2013). The DTSC assessment report concluded that further environmental investigation is needed at SWMU #2 to determine the nature and extent of any release of hazardous waste or hazardous waste constituents.

The March 26, 2013, DTSC assessment report documented a site inspection at SWMU #2 conducted by DTSC and NPS staff on October 17, 2012. During the site visit, no visual surface evidence of burn debris was noted at the reported location of the SWMU #2 ash pit. Furthermore, the report states that there are "discrepancies between the reported location of the burn pit and the actual location of the burn pit" and that the precise location of the burn pit is unknown (DTSC, 2013). These documents are included in **Appendix F**.

4.4 SUMMARY OF CONCLUSIONS AND RECOMMENDATION – SWMU #2

During the November 11 and 12, 2013, site inspection by ECM and NPS personnel, no surface or subsurface evidence of the burn ash pit was found at the location described by the NPS or DTSC. Soil encountered during the pothole investigation appeared to be native material and displayed no odor or discoloration. Interviews with former employees agree with aerial photographs and site inspection results indicating that SWMU #2 never existed and does not currently exist. Since no evidence of contamination was observed during the site inspection, and no sign of the ash pit was found at the reported location of former SWMU #2, the is no potential for environmental concerns associated with the reported ash burial pit. Therefore, the Ash Mountain SWMU #2 site was not evaluated for an HRS score and ECM recommends no further action at this site.

5 SWMU #38 – FORMER GRANT GROVE INCINERATOR AND BURN DEBRIS

The PA site inspection of SWMU #38 was conducted on November 12, 2013. The Former Grant Grove Incinerator (SWMU #38) was identified during a visual site inspection in October 2008 and documented on the RCRA Facility Assessment Questionnaire and Supplemental Documentation (NPS, 2008). The former incinerator was built in the 1960s but it was never used as an incinerator and was reportedly dismantled around 1975. The area was used as a domestic waste burn pit from 1929 to 1965 (DTSC, August 1997). The former incinerator was located north of Grant Grove Village and the former Grant Grove Chevron Station, just west of Generals Highway and northeast of the corral (DTSC, August 1997) (**Figure 4**). The site is located at latitude 36°44'46.97"N, longitude 118°58'1.46"W, at an elevation of approximately 6,620 feet above mean sea level.

5.1 OPERATIONAL HISTORY AND WASTE CHARACTERISTICS

The site was operated for 36 years as a burial pit for burnt domestic waste and is currently being used by the NPS as a staging area for construction materials (see photographs in **Appendix D**). The potential release mechanisms and contaminant migration pathways associated with the site include spills from containers or from waste handling, spills from container failure, spills due to mechanical failure, subsequent migration of spillage through soils, deposition of burned waste onto soils, precipitation runoff from the area, and leaching from underlying soils to groundwater. The suspected contaminants related to burn ash include, but are not limited, to heavy metals and dioxins.

During the November 12, 2013, site inspection the ash burn pit area was measured as 200 feet by 170 feet, but the depth of the burn pit is unknown. At the time of the site visit, several stockpiles of construction materials were observed consisting of base rock, large boulders, asphalt for recycling, asphalt cold patch, and soil fill material stored on top of the former ash burn pit. Significant amounts of debris associated with the burn pit were noted along the perimeter of the area and on the downslope sides of the burn pit. The debris observed consisted of rusty metal, glass bottles, broken ceramic containers, a car battery, and some plastic debris (See **Appendix D**, Photographs 2 and 3).

NPS personnel frequently visit the area, which is not secured from trespassers and park wildlife. Two drainage swales extend from the burn pit area downslope to the north and to the west of the site. Migration pathways associated with the area are from leachate and runoff from rain and snowmelt (See **Appendix D**, Photographs 4 and 5).

5.2 PREVIOUS INVESTIGATIONS AND REGULATORY ACTIVITY

In March 2013, the DTSC completed the *A7615 Assessment Report, Sequoia and Kings Canyon National Parks, 47050 Generals Highway, Three Rivers, California,* that included six SWMUs in the parks (DTSC, March 26, 2013). The DTSC assessment report concluded that further environmental investigation is needed at SWMU #38 to determine the nature and extent of any release of hazardous waste or hazardous waste constituents from the site.

The DTSC assessment report also documents the October 18, 2012, site visit conducted by DTSC and NPS staff at SWMU #38. The report states that the Grant Grove incinerator was built in the 1960s but was never used; however, the area was used as a domestic waste burn pit from 1929 to 1965. Observed debris around the perimeter of the burn pit area consisted of ash debris, old bottles, ceramic plates, broken glass, and metal along the downslope site of the burn

pit/construction material staging area. Although NPS indicated that the area was partially excavated and backfilled with clean fill during dismantling of the incinerator, the burn pit material remains mostly in place. The DTSC assessment report stated that this area is considered a potential environmental concern and further investigation is warranted (DTSC, 2013).

5.3 PATHWAY AND ENVIRONMENTAL HAZARD ASSESSMENT

The human health and ecological conceptual site models for SWMU #38 are presented on **Figures 7** and **8**. The conceptual site models integrate information about the site to describe potential source areas, release and transport mechanisms, and complete and incomplete exposure pathways. It also identifies potentially exposed receptors under the current and reasonably anticipated future land and water uses. The preliminary site conceptual models will be used to identify chemical and nonchemical data gaps and guide recommendations for future action at the site. Additional data generated will be used to refine the preliminary conceptual site models.

Potentially exposed media and exposure pathways evaluated in the conceptual site models include groundwater, surface water, soil, sediment, and air. Based on operational history and previous investigations, the environmental hazards considered in the evaluation focus on burn waste, which at some sites is associated with elevated concentrations of heavy metals and dioxins. No analytical data exist for potentially impacted site media and so the potential constituents of concern and fate and transport mechanisms have not identified. Typical release and transport mechanisms for burn pit wastes include deposition, erosion, runoff, infiltration, leaching, and windborne suspension and deposition of particulates.

Current and anticipated future land use throughout the parks is wilderness and/or recreational. Potential human receptors at the parks include SEKI personnel and site visitors. Potential ecological receptors include native fish and benthic organisms, terrestrial plants, soil organisms, birds and mammals, and amphibians and reptiles. Potential exposure routes for each pathway are shown in the conceptual site models, and include ingestion, dermal contact, and inhalation.

5.3.1 Groundwater Hydrogeological Setting

Subsurface materials at the site consist of granitic rock primarily of Mesozoic age (USGS, 1994). Soil depth ranges from less than one inch to approximately 1.5 feet below ground surface, underlain by fractured granitic bedrock (EDR, 2013b). There are no data available regarding the groundwater flow direction and hydraulic gradient in the area of SWMU #38, and so the groundwater flow direction at the area was determined based on surface topography. A topographic elevation profile of the site is provided in the EDR Summary Radius Map Report of the Grant Grove SWMU #38 Area (EDR, 2013b). Based on the elevation profile, the groundwater flow direction is to the northwest from the burn debris area. Groundwater is primarily contained within fractures in the bedrock. One production well was identified upgradient of site, approximately 1,500 feet to the east (EDR, 2013b). Records from the California Department of Water Recourses (DWR) and Tulare County Department of Environmental Health (ECM, 2013b) indicate that up to 39 groundwater wells have been installed in the town of Wilsonia located approximately 0.8 miles southeast of the site. The water wells in Wilsonia range in depth from 30 to 400 feet, but most of them are approximately 100 feet in depth. Depth to groundwater in the wells ranges from 10 to 250 feet (**Appendix E).**

5.3.1.1 Groundwater Exposure Pathway

Melt-water and stormwater flows across the site can potentially infiltrate surface and subsurface soils, resulting in potential for leaching and migration of contaminants to groundwater. Surface water flows also have the potential to transport waste constituents off site to sediment and receiving surface water bodies such as ephemeral creeks and drainages; points of potential entry associated with local drainage features are depicted on **Figure 6**. Groundwater exposure pathways associated with drinking water supplies to humans or sensitive environments within the target distance of a 4-mile radius include the potable wells in Wilsonia and the Grant Grove production well (EDR, 2013b) (**Figure 5**). These wells are upgradient to the burn debris at SWMU #38. Numerous springs are also present are in the parks and some have been developed for drinking water (DTSC, 2013).

5.3.1.2 Conclusions

Potentially complete pathways exist for human and ecological receptors via incidental ingestion and direct contact with constituents in groundwater, if present (**Figures 7** and **8**). Although one production well is located in Grant Grove, and potable wells are located in Wilsonia, they are upgradient to SWMU #38 and so a complete groundwater exposure pathway via drinking water from these wells is likely incomplete. A complete pathway potentially exists for exposure of NPS personnel and ecological receptors to constituents in groundwater associated with springs, if present downgradient to the site. Migration pathways to the ephemeral creek to the west and Abbott Creek to the north are potentially complete as well, if groundwater or springs feed creeks. Risk to receptors, however, is considered insignificant, due to the depth to groundwater, immobility of likely constituents of concern, and limited extent and ephemeral nature of seeps or springs that may occur.

5.3.2 Surface Water Hydrologic Setting

Overland drainage from the site flows west approximately 1,000 feet to an ephemeral drainage stream and north approximately 3,500 feet to Abbott Creek. Both streams flow into Mill Flat Creek, which is located approximately 9,800 feet west of the site. Sequoia Creek is located approximately 1.2 miles south of the site, and Sequoia Lake is located approximately 1.4 miles west of the site. Mill Flat Creek flows into Sequoia Lake in the northwest section of the lake, and Sequoia Creek drains into Sequoia Lake in its southeast section. Surface water bodies located near the site are shown on **Figure 5.**

Sequoia Lake is a popular campground and recreation center operated by the YMCA. The lake is used by the public for recreational activities such as swimming, sailing, and fishing. Several fish species are present in Sequoia Lake, including but not limited to, largemouth and smallmouth bass, crappie, Sequoia Lake walleye, and catfish. Visitors may also use the area creeks/rivers for recreational purposes.

5.3.3.1 Surface Water Exposure Pathways

Surface water could be subject to impacts by erosion processes or runoff related to storm events or flows of melt-water. The primary receptors within the surface water target distance (15 miles hydraulically downgradient) are park visitors using lake and other surface water resources for recreational purposes; SEKI personnel performing caretaker activities involving the lake, creeks, and wetlands; the fisheries at Sequoia Lake (part of the human food chain); and wildlife. There are 19 wetlands located within 15 miles downstream of the site. The nearest is located approximately 917 feet southeast of the site (EDR, 2013b). Sensitive environments of the federally designated potentially threatened habitat of the northern goshawk, California wolverine, and the Pacific fisher have been identified within 0.25 to 0.5 miles of the site (EDR, 2013b).

5.3.3.2 Conclusions

For surface water, a potentially complete pathway exists for human and ecological receptors via incidental ingestion and direct contact with the water bodies and trophic transfer by human consumption of fish. Burn debris around the slopes of the burial area pose the potential to release contaminants to surface water via drainage swales on the north and west sides of the SWMU #38 burn pit (**Figure 6**). No visible stressed vegetation or standing water in the swales was observed. It is possible that the ephemeral drainage stream, downstream creeks, and the lake have been impacted by surface water runoff, but there is no soil analytical data available to determine whether such impacts have occurred (**Figures 7** and **8**).

5.3.3 Soil, Sediment, and Air Exposures

The Grant Grove SWMU #38 site is currently being used by NPS as a staging area for construction materials including base rock, large boulders, asphalt concrete, and soil stockpiles (See **Appendix D**, Photograph 1). As stated, the area was used as a burn pit for domestic waste from 1929 until 1965 and was partially excavated and backfilled with clean material during dismantling of the incinerator (DTSC, 2013). Debris associated with the burn pit was observed in the area of SWMU #38.

The area is accessed frequently by SEKI personnel and visitors from the parks using a horse trail that crosses the site. Surface and subsurface soils and sediment in depositional areas downgradient of the site could be directly impacted by potential releases associated with erosional processes or surface water runoff. Deposition of transported contaminants could occur, and infiltration of waters into the soil could result in leaching of contaminants and transport through the soil column to the water table. Releases to air from suspension of contaminated particulates derived from surface soil and exposed sediment are considered unlikely because the most of the waste pit is still buried and not readily exposed to wind erosion.

5.3.3.3 Soil, Sediment, and Air Exposure Pathways

There are no residents within 200 feet (the soil pathway target distance limit) of the site; however, the parks are home to several species of endangered or threatened wildlife. The potential for the presence of these animals, combined with the National Register status of the site, makes the Grant Grove SWMU #38 site a terrestrial sensitive environment. Additionally, a potentially complete exposure pathway for soil and sediment exists for SEKI personnel and site visitors.

5.3.3.4 Conclusions

Potentially complete pathways are present for exposure of human and ecological receptors to contaminants in soil and exposed sediment (**Figures 7** and **8**). SEKI personnel, site visitors, and plants and wildlife within the parks, including endangered or threatened species, could be exposed to elevated concentrations of hazardous chemical constituents via incidental ingestion or direct contact with surface soil and sediment. A potentially complete pathway for subsurface soil is present for SEKI personnel performing intrusive activities at the site as well as for deep-rooted plants, soil organisms, or burrowing animals. No soil analytical data are available to evaluate whether an exposure threat to human health and the environment exists at SMWU #38. Burn waste material was observed at the surface during the site inspection. Area vegetation did not appear to be stressed.

Releases to air from suspension of contaminated particulates derived from surface soil and exposed sediment represent a potentially complete exposure pathway, but risks to human and ecological receptors are likely to be insignificant for this site (**Figures 7** and **8**). The burn pit was reportedly partially excavated and backfilled with clean material (DTSC, 2013), and the

area is mostly covered with various construction materials. The extent of exposed burn material susceptible to wind erosion is limited to small areas on the perimeter and slopes of the burn pit.

6 SUMMARY OF CONCLUSIONS AND RECOMMENDATIONS

Ash Mountain SWMU #2

During the site inspection conducted by ECM on November 11 and 12, 2013, no evidence of the former ash burn pit at SWMU #2 was found at the reported location. These findings agree with the conclusions of the visual site inspection conducted by DTSC and NPS on October 17, 2012 (DTSC, 2013), as well as interviews with former SEKI employees. In addition, no evidence of contamination was observed during the pothole investigation conducted by ECM as part of the site inspection. Based on these findings, there is no potential for environmental concerns associated with the alleged burial pit at the reported location of SWMU #2, and no further action is warranted at this site.

Grant Grove SWMU #38

Potentially complete exposure pathways include soil, surface water, and sediment. Groundwater is a potentially complete pathway, but exposure of human and ecological receptors to contaminants in groundwater is unlikely, due to depth to groundwater, lack of mobility of potential waste constituents, and upgradient location of drinking water/production wells present in the area. Exposures related to inhalation of windborne particulates are also considered unlikely due to the limited extent of exposed wastes and current cover. Targets of concern are NPS employees and visitors to the parks within the 200-foot-radius limit for soil exposure, and people visiting Sequoia Lake for recreational camping, fishing, sailing, and swimming. In addition, several endangered species may be present in the area.

The site was evaluated using the EPA HRS scoring software. The PA score for this site is 13.78 (**Appendix A**). Typically, under the PA process, sites that score 28.50 or greater receive a further action recommendation, while sites that score less than 28.50 receive an NFRAP recommendation. However, ECM recommends additional site characterization at SWMU #38 to obtain soil analytical data around the perimeter of the former burn pit area and near the points of potential entry associated with drainage swales to the north and west of the site to characterize burn waste and determine if impacted sediments have migrated off site.

7 REFERENCES

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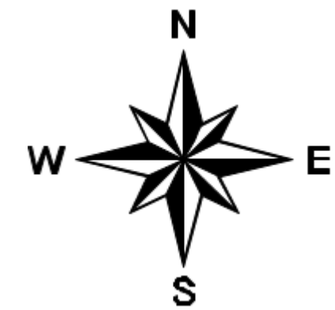
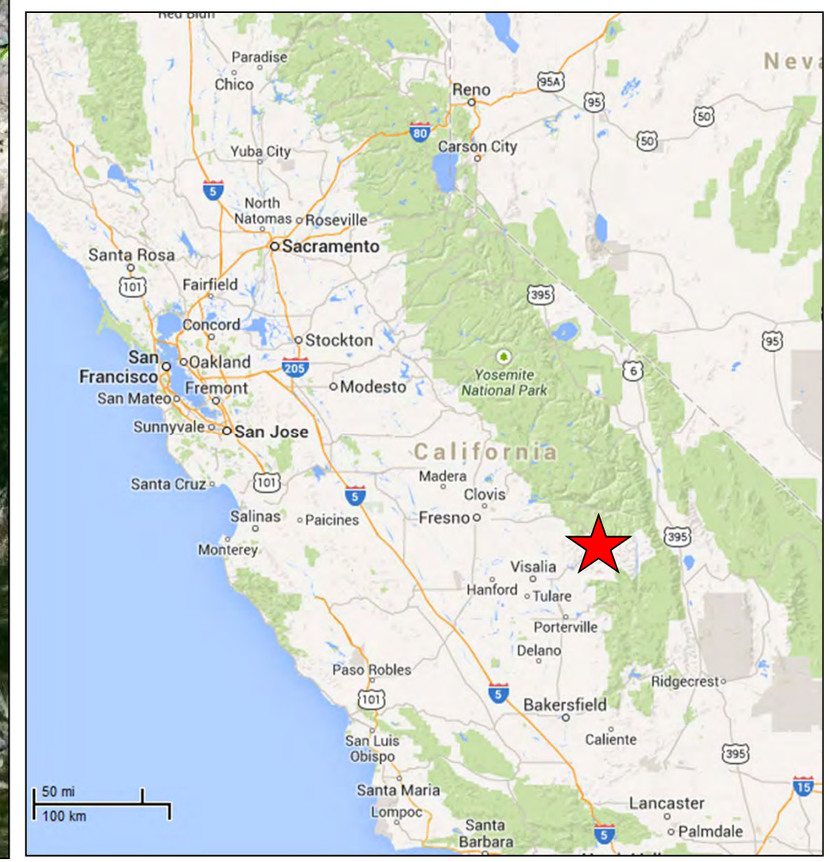
Figure 5: Grant Grove SWMU #38 Ash Burn Pit Location Map
Figure 6: Grant Grove SWMU #38 Ash Burn Pit Site Features
Figure 7: Grant Grove SWMU #38 Site Conceptual Model Human Targets
Figure 8: Grant Grove SWMU #38 Site Conceptual Model Ecological Targets





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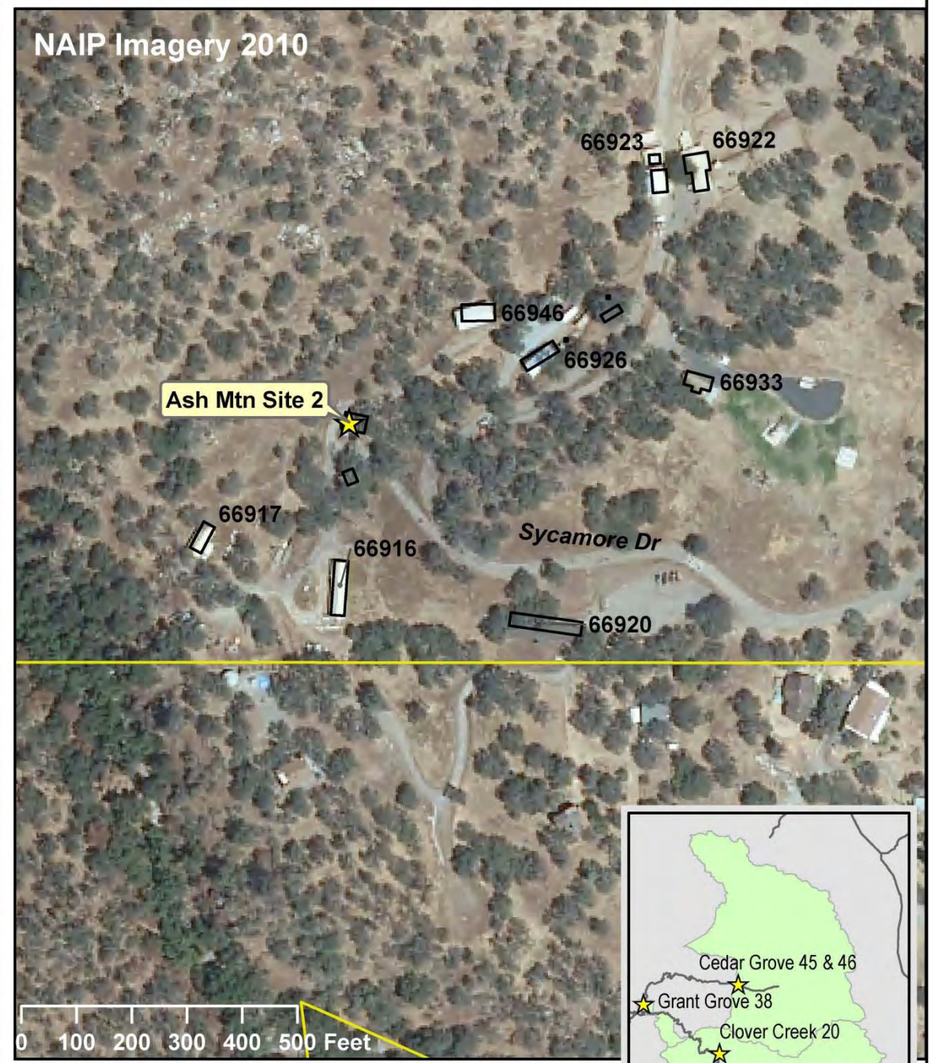
Site Location Map

Figure

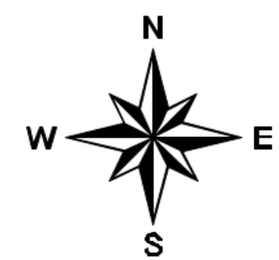
1

DTSC Location
Ash Mountain Site 2
118° 50' 32.24" W, 36° 29' 13.33" N

Sequoia and Kings Canyon
National Park Service
US Department of the Interior



DTSC Location
NPS Facility (FMSS ID #)
NPS Boundary



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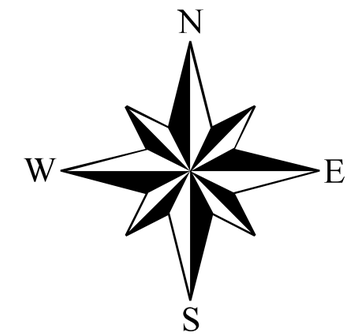
Ash Mountain SWMU #2
Aerial Photo Location Map

Figure
2



Legend

★ Former Incinerator Pad

● Pothole Locations

0 45 90 180 Feet

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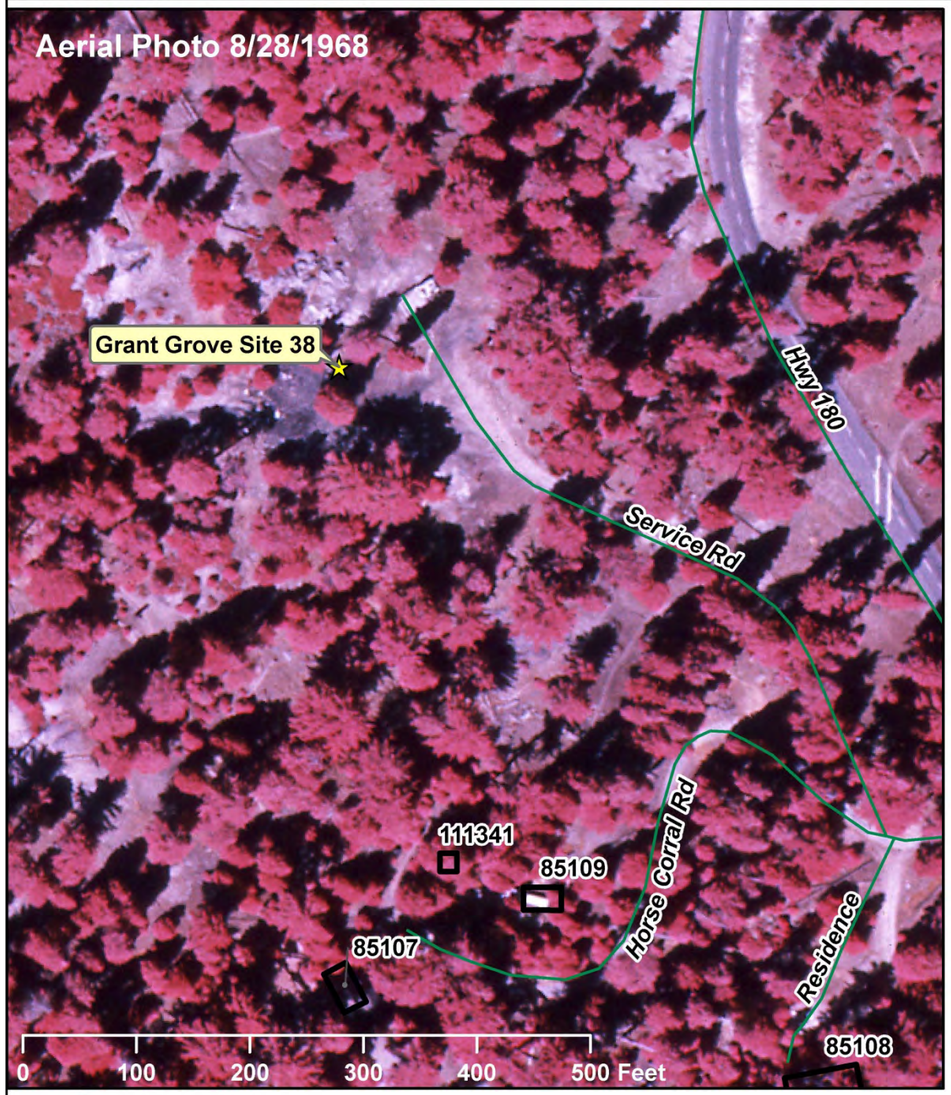
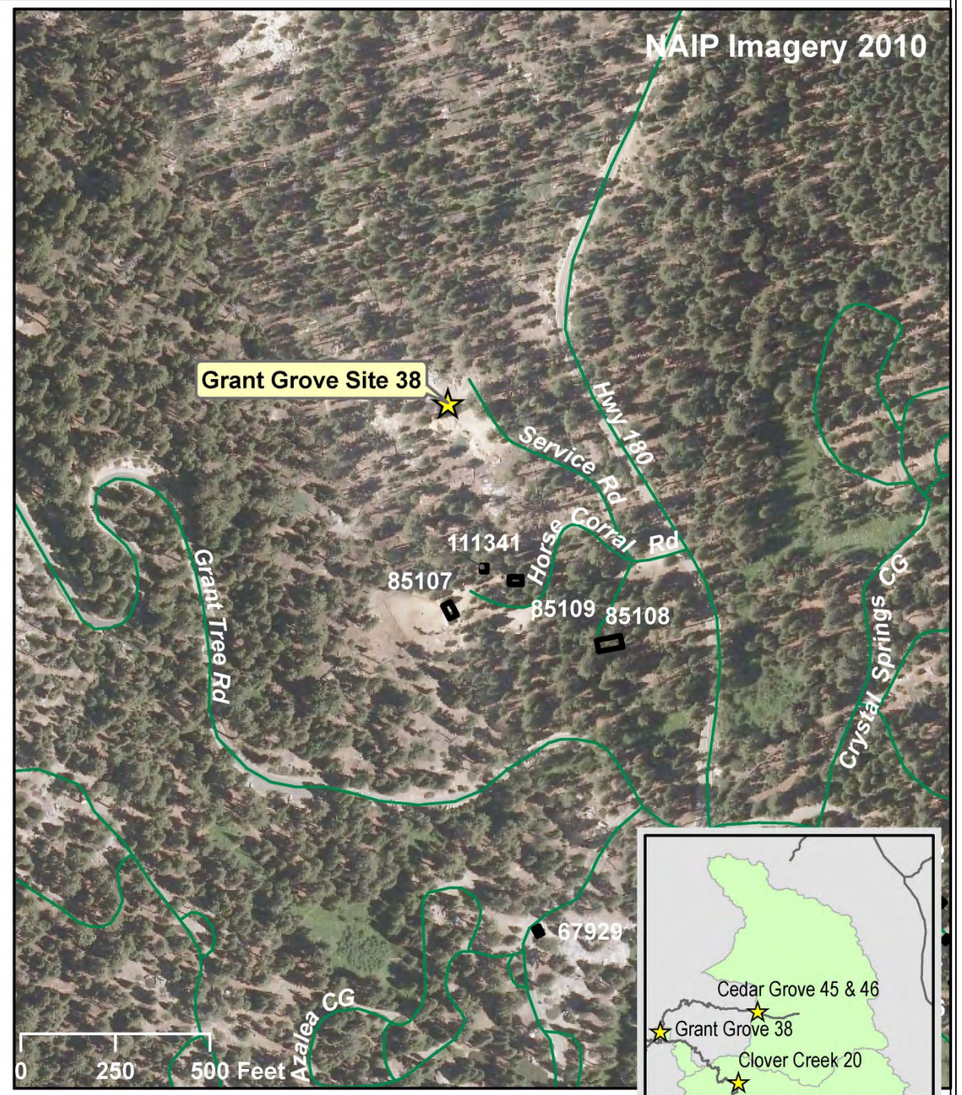
Former Ash Mountain Incinerator Pad and Pothole Location Map

Figure 3

DTSC Location
Grant Grove Site 38
118° 58' 1.71" W 36° 44' 47.08" N

Sequoia and Kings Canyon
National Park Service
US Department of the Interior





DTSC Location
NPS Facility (FMSS ID #)
NPS Boundary

N
W E
S

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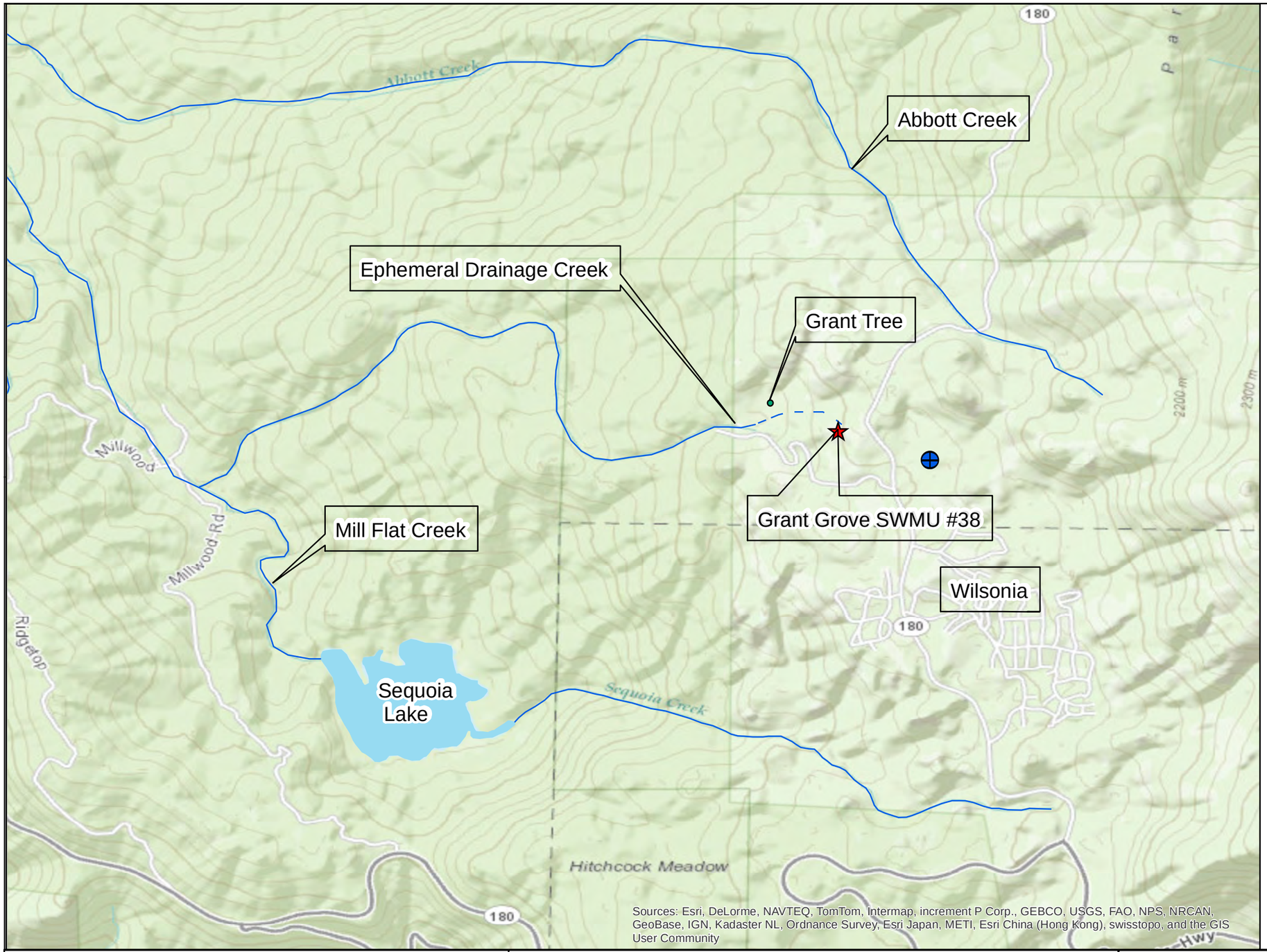
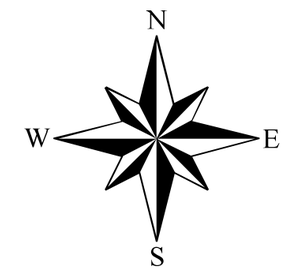
Grant Grove SWMU #38
Aerial Photo Location Map

Figure
4





Legend

- Production Well
- Grant Grove SWMU #38
- Creek/Stream

0 1,250 2,500 5,000 Feet

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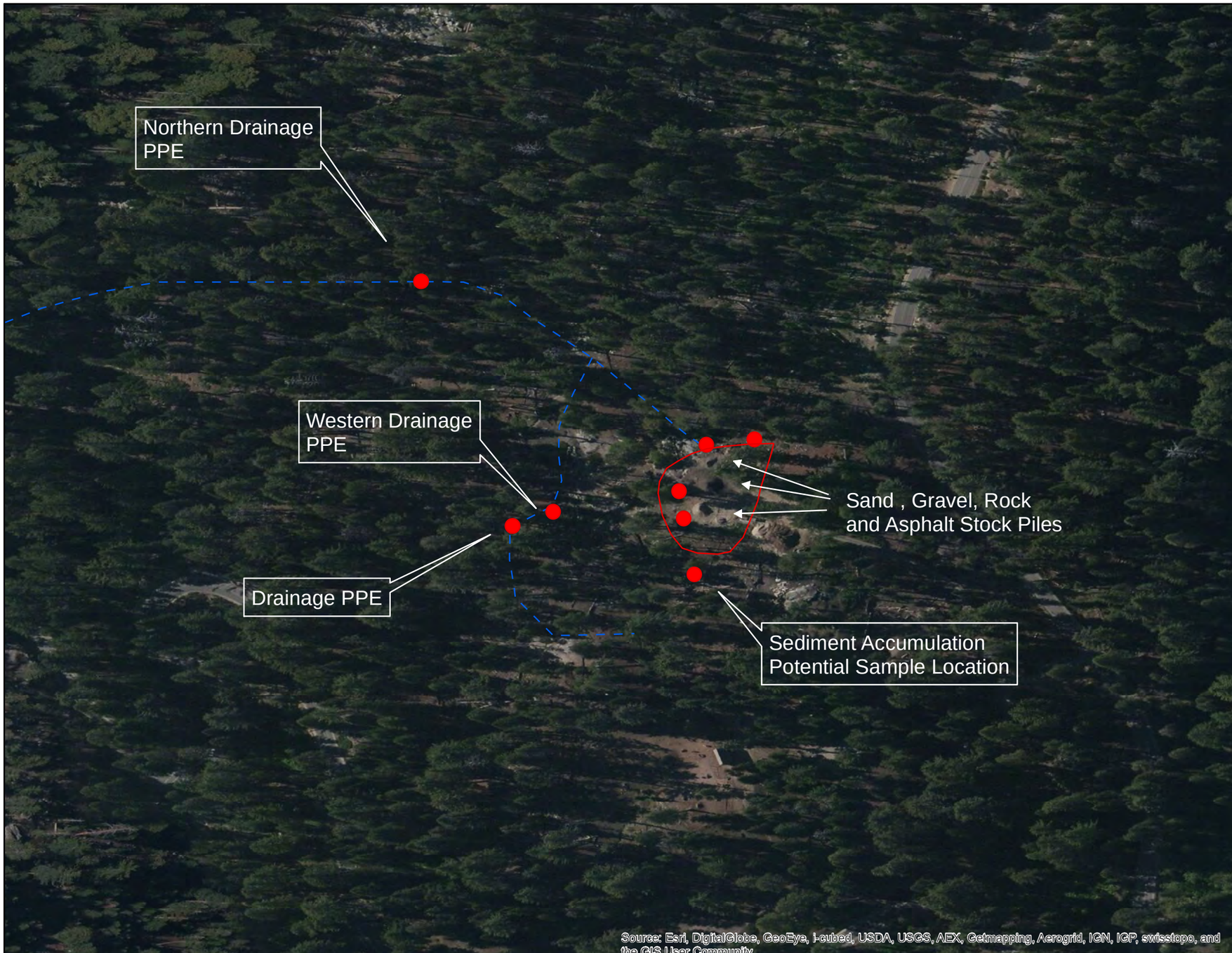
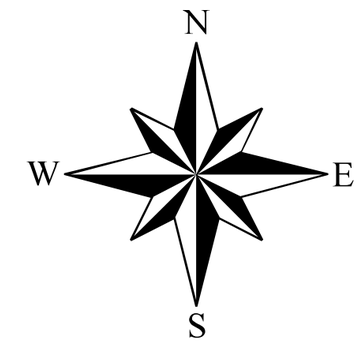
Grant Grove SWMU #38
Ash Burn Pit Location Map

Figure
5





Legend

- Ephemeral Drainage Stream
- SWMU #38 Debris Boundaries
- Site Features
- PPE — Point of Potential Entry

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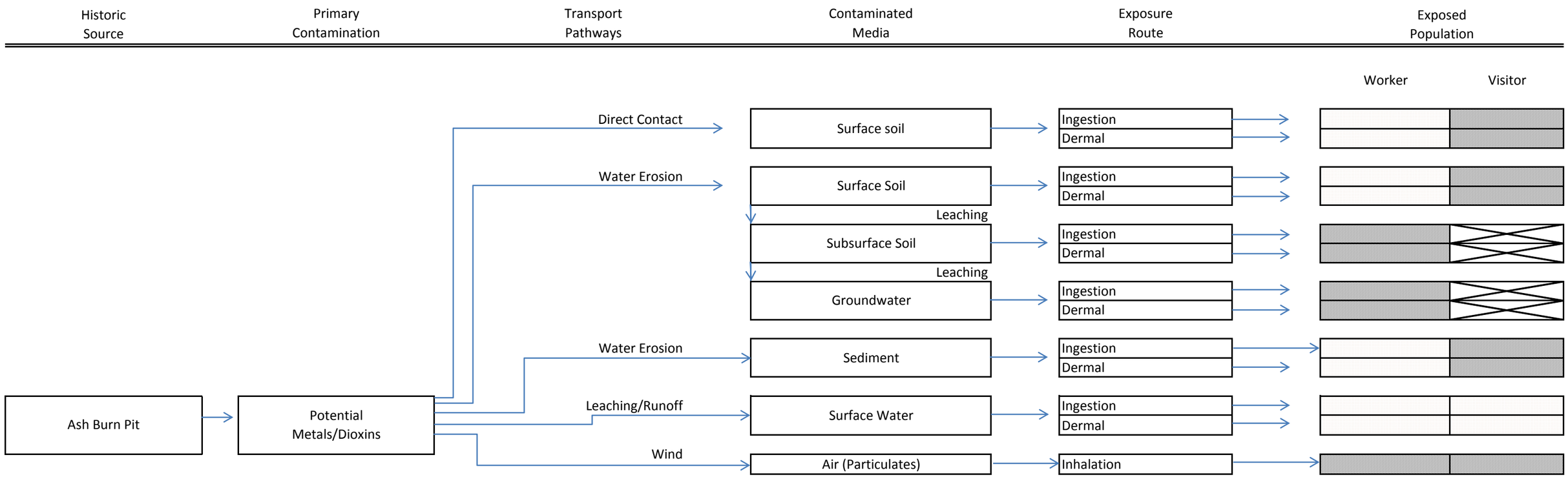
Grant Grove SWMU #38
Ash Burn Pit Site Features

Figure
6



Note: Preliminary conceptual site model based on qualitatitve evaluation only; no quantitative data available.

Pathway not complete; No evaluation necessary.

Pathway potentially complete but considered insignificant.

Pathway potentially complete and may be significant.

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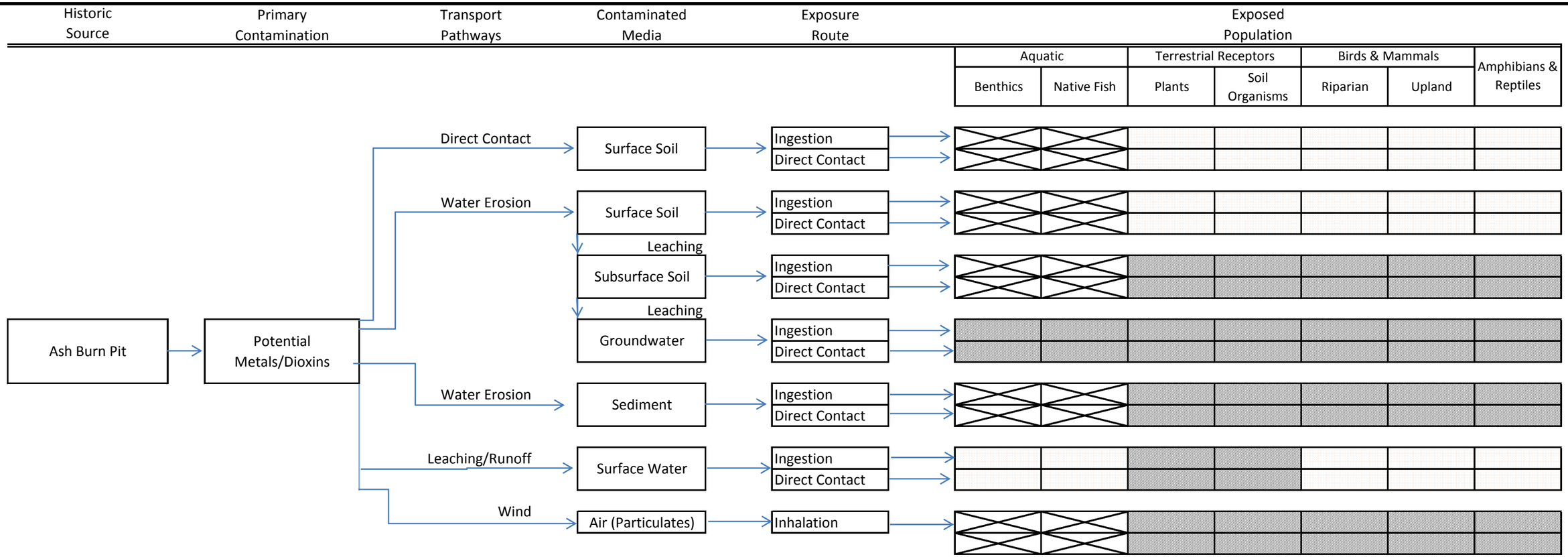
Former Grant Grove SWMU #38
Site Conceptual Model
HumanTargets

Figure

7



Note: Preliminary conceptual site model based on qualitatitve evaluation only; no quantitative data available.

Pathway not complete; No evaluation necessary.

Pathway potentially complete but considered insignificant.

Pathway potentially complete and may be significant.

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Former Grant Grove SWMU #38
Site Conceptual Model
Ecological Targets

Figure

8

APPENDICES

Appendix A
Preliminary Assessment Score Sheet and Data Summary Form

****** CONFIDENTIAL ******
******PRE-DECISIONAL DOCUMENT ******
****** SUMMARY SCORESHEET ******
****** FOR COMPUTING PROJECTED HRS SCORE ******

****** Do Not Cite or Quote ******

Site Name: Sequoia and King Canyon National Parks

Region: Region 9

Scenario Name: PA investigation

City, County, State: Tulare, California

Evaluator: Andrew Smith

EPA ID#:

Date: 11/18/2013

Lat/Long: 39:44:47,-118:58:1

Congressional District:

This Scoresheet is for: PA

Scenario Name: PA investigation

Description: Grant Grove burn dump site SWMU #38

	S pathway	S^2 pathway
Ground Water Migration Pathway Score (S_{gw})	3.42	11.7
Surface Water Migration Pathway Score (S_{sw})	23.58	556.02
Soil Exposure Pathway Score (S_s)	13.86	192.1
Air Migration Score (S_a)	0.0	0.0
$S^2_{gw} + S^2_{sw} + S^2_s + S^2_a$		759.81
$(S^2_{gw} + S^2_{sw} + S^2_s + S^2_a)/4$		189.95
$/ (S^2_{gw} + S^2_{sw} + S^2_s + S^2_a)/4$		13.78

Pathways not assigned a score (explain):

TABLE 3-1 --GROUND WATER MIGRATION PATHWAY SCORESHEET

Factor categories and factors	Maximum Value	Value Assigned	
Aquifer Evaluated: Grant Grove, Sequoia National Park			
Likelihood of Release to an Aquifer:			
1. Observed Release	550	0.0	
2. Potential to Release:			
2a. Containment	10	10.0	
2b. Net Precipitation	10	10.0	
2c. Depth to Aquifer	5	5.0	
2d. Travel Time	35	35.0	
2e. Potential to Release [lines 2a(2b + 2c + 2d)]	500	500.0	
3. Likelihood of Release (higher of lines 1 and 2e)	550		500.0
Waste Characteristics:			
4. Toxicity/Mobility	(a)	10000.0	
5. Hazardous Waste Quantity	(a)	10.0	
6. Waste Characteristics	100		18.0
Targets:			
7. Nearest Well	(b)	18.0	
8. Population:			
8a. Level I Concentrations	(b)	0.0	
8b. Level II Concentrations	(b)	0.0	
8c. Potential Contamination	(b)	3.3	
8d. Population (lines 8a + 8b + 8c)	(b)	3.3	
9. Resources	5	5.0	
10. Wellhead Protection Area	20	5.0	
11. Targets (lines 7 + 8d + 9 + 10)	(b)		31.3
Ground Water Migration Score for an Aquifer:			
12. Aquifer Score [(lines 3 x 6 x 11)/82,5000][c]	100		3.42
Ground Water Migration Pathway Score:			
13. Pathway Score (S_{gw}), (highest value from line 12 for all aquifers evaluated)[c]	100		0.0

[a] Maximum value applies to waste characteristics category
[b] Maximum value not applicable
[c] Do not round to nearest integer

TABLE 4-1 --SURFACE WATER OVERLAND/FLOOD MIGRATION COMPONENT SCORESHEET

Factor categories and factors	Maximum Value	Value Assigned	
Watershed Evaluated: King River			
Drinking Water Threat			
Likelihood of Release:			
1. Observed Release	550	0.0	
2. Potential to Release by Overland Flow:			
2a. Containment	10	10.0	
2b. Runoff	10	1.0	
2c. Distance to Surface Water	5	25.0	
2d. Potential to Release by Overland Flow [lines 2a(2b + 2c)]	35	260.0	
3.Potential to Release by Flood:			
3a. Containment (Flood)	10	10.0	
3b. Flood Frequency	50	0.0	
3c. Potential to Release by Flood (lines 3a x 3b)	500	0.0	
4. Potential to Release (lines 2d + 3c, subject to a maximum of 500)	500	260.0	
5. Likelihood of Release (higher of lines 1 and 4)	550		260.0
Waste Characteristics:			
6. Toxicity/Persistence	(a)	10000.0	
7. Hazardous Waste Quantity	(a)	10.0	
8. Waste Characteristics	100		18.0
Targets:			
9. Nearest Intake	50	0.0	
10. Population:			
10a. Level I Concentrations	(b)	0.0	
10b. Level II Concentrations	(b)	0.0	
10c. Potential Contamination	(b)	0.0	
10d. Population (lines 10a + 10b + 10c)	(b)	0.0	
11. Resources	5	0.0	
12. Targets (lines 9 + 10d + 11)	(b)		0.0
Drinking Water Threat Score:			
13. Drinking Water Threat Score [(lines 5x8x12)/82,500, subject to a max of 100]	100		0.0
Human Food Chain Threat			
Likelihood of Release:			
14. Likelihood of Release (same value as line 5)	550		260.0
Waste Characteristics:			
15. Toxicity/Persistence/Bioaccumulation	(a)	5.0E7	
16. Hazardous Waste Quantity	(a)	10.0	
17. Waste Characteristics	1000		100.0
Targets:			
18. Food Chain Individual	50	20.0	
19. Population			
19a. Level I Concentration	(b)	0.0	
19b. Level II Concentration	(b)	0.0	
19c. Potential Human Food Chain Contamination	(b)	0.03	
19d. Population (lines 19a + 19b + 19c)	(b)	0.03	
20. Targets (lines 18 + 19d)	(b)		20.03
Human Food Chain Threat Score:			
21. Human Food Chain Threat Score [(lines 14x17x20)/82500, subject to max of 100]	100		6.31
Environmental Threat			
Likelihood of Release:			
22. Likelihood of Release (same value as line 5)	550		260.0
Waste Characteristics:			
23. Ecosystem Toxicity/Persistence/Bioaccumulation	(a)	5.0E8	
24. Hazardous Waste Quantity	(a)	10.0	
25. Waste Characteristics	1000		180.0

Targets:			
26. Sensitive Environments			
26a. Level I Concentrations	(b)	0.0	
26b. Level II Concentrations	(b)	0.0	
26c. Potential Contamination	(b)	10.0	
26d. Sensitive Environments (lines 26a + 26b + 26c)	(b)	10.0	
27. Targets (value from line 26d)	(b)		10.0
Environmental Threat Score:			
28. Environmental Threat Score [(lines 22x25x27)/82,500 subject to a max of 60]	60		5.67
Surface Water Overland/Flood Migration Component Score for a Watershed			
29. Watershed Score[c] (lines 13+21+28, subject to a max of 100}	100		11.98
Surface Water Overland/Flood Migration Component Score			
30. Component Score (S_{sw})[c] (highest score from line 29 for all watersheds evaluated)	100		11.98

[a] Maximum value applies to waste characteristics category
[b] Maximum value not applicable
[c] Do not round to nearest integer

TABLE 4-25 --GROUND WATER TO SURFACE WATER MIGRATION COMPONENT SCORESHEET

Factor categories and factors	Maximum Value	Value Assigned	
Watershed Evaluated: King River			
Drinking Water Threat			
Likelihood of Release to an Aquifer:			
1. Observed Release	550	0.0	
2. Potential to Release:			
2a. Containment	10	10.0	
2b. Net Precipitation	10	10.0	
2c. Depth to Aquifer	5	5.0	
2d. Travel Time	35	35.0	
2e. Potential to Release [lines 2a(2b + 2c + 2d)]	500	500.0	
3. Likelihood of Release (higher of lines 1 and 2e)	550		500.0
Waste Characteristics:			
4. Toxicity/Mobility	(a)	10000.0	
5. Hazardous Waste Quantity	(a)	10.0	
6. Waste Characteristics	100		18.0
Targets:			
7. Nearest Well	(b)	0.0	
8. Population:			
8a. Level I Concentrations	(b)	0.0	
8b. Level II Concentrations	(b)	0.0	
8c. Potential Contamination	(b)	0.0	
8d. Population (lines 8a + 8b + 8c)	(b)	0.0	
9. Resources	5	5.0	
10. Targets (lines 7 + 8d + 9)	(b)		5.0
Drinking Water Threat Score:			
11. Drinking Water Threat Score ([lines 3 x 6 x 10]/82,500, subject to max of 100)	100		0.55
Human Food Chain Threat			
Likelihood of Release:			
12. Likelihood of Release (same value as line 3)	550	500.0	
Waste Characteristics:			
13. Toxicity/Mobility/Persistence/Bioaccumulation	(a)	5.0E7	
14. Hazardous Waste Quantity	(a)	10.0	
15. Waste Characteristics	1000		100.0
Targets:			
16. Food Chain Individual	50	20.0	
17. Population			
17a. Level I Concentration	(b)	0.0	
17b. Level II Concentration	(b)	0.0	
17c. Potential Human Food Chain Contamination	(b)	0.0	
17d. Population (lines 17a + 17b + 17c)	(b)	0.0	
18. Targets (lines 16 + 17d)	(b)		20.0
Human Food Chain Threat Score:			
19. Human Food Chain Threat Score [(lines 12x15x18)/82,500,suject to max of 100]	100		12.12
Environmental Threat			
Likelihood of Release:			
20. Likelihood of Release (same value as line 3)	550		500.0
Waste Characteristics:			
21. Ecosystem Toxicity/Persistence/Bioaccumulation	(a)	5.0E8	
22. Hazardous Waste Quantity	(a)	10.0	
23. Waste Characteristics	1000		180.0
Targets:			
24. Sensitive Environments			
24a. Level I Concentrations	(b)	0.0	
24b. Level II Concentrations	(b)	0.0	

24c. Potential Contamination	(b)	10.0	
24d. Sensitive Environments (lines 24a + 24b + 24c)	(b)	10.0	
25. Targets (value from line 24d)	(b)		10.0
Environmental Threat Score:			
26. Environmental Threat Score [(lines 20x23x25)/82,500 subject to a max of 60]	60		10.91
Ground Water to Surface Water Migration Component Score for a Watershed			
27. Watershed Score[c] (lines 11 + 19 + 28, subject to a max of 100)	100		23.58
28. Component Score (S_{gs})[c] (highest score from line 27 for all watersheds evaluated, subject to a max of 100)	100		23.58

[a] Maximum value applies to waste characteristics category
[b] Maximum value not applicable
[c] Do not round to nearest integer

TABLE 5-1 --SOIL EXPOSURE PATHWAY SCORESHEET

Factor categories and factors	Maximum Value	Value Assigned	
Likelihood of Exposure:			
1. Likelihood of Exposure	550		550.0
Waste Characteristics:			
2. Toxicity	(a)	10000.0	
3. Hazardous Waste Quantity	(a)	10.0	
4. Waste Characteristics	100		18.0
Targets:			
5. Resident Individual	50		
6. Resident Population:			
6a. Level I Concentrations	(b)	0	
6b. Level II Concentrations	(b)		
6c. Population (lines 6a + 6b)	(b)		
7. Workers	15	10.0	
8. Resources	5	5.0	
9. Terrestrial Sensitive Environments	(c)	100.0	
10. Targets (lines 5 + 6c + 7 + 8 + 9)	(b)		115.0
Resident Population Threat Score			
11. Resident Population Threat Score (lines 1 x 4 x 10)	(b)		1138500.0
Nearby Population Threat			
Likelihood of Exposure:			
12. Attractiveness/Accessibility	100	100.0	
13. Area of Contamination	100	40.0	
14. Likelihood of Exposure	500		250.0
Waste Characteristics:			
15. Toxicity	(a)	10000.0	
16. Hazardous Waste Quantity	(a)	10.0	
17. Waste Characteristics	100		18.0
Targets:			
18. Nearby Individual	1	1.0	
19. Population Within 1 Mile	(b)	0.04000000000000001	
20. Targets (lines 18 + 19)	(b)		1.04
Nearby Population Threat Score			
21. Nearby Population Threat (lines 14 x 17 x 20)	(b)		4680.0
Soil Exposure Pathway Score:			
22. Pathway Score[d] (S_s), [lines (11+21)/82,500, subject to max of 100]	100		13.86

[a] Maximum value applies to waste characteristics category
[b] Maximum value not applicable
[c] No specific maximum value applies to factor. However, pathway score based solely on terrestrial sensitive environments is limited to a maximum of 60
[d] Do not round to nearest integer

TABLE 6-1 --AIR MIGRATION PATHWAY SCORESHEET

Factor categories and factors	Maximum Value	Value Assigned	
Likelihood of Release:			
1. Observed Release	550	0.0	
2. Potential to Release:			
2a. Gas Potential to Release	500	10.0	
2b. Particulate Potential to Release	500	10.0	
2c. Potential to Release (higher of lines 2a and 2b)	500	10.0	
3. Likelihood of Release (higher of lines 1 and 2c)	550		10.0
Waste Characteristics:			
4. Toxicity/Mobility	(a)	8.0	
5. Hazardous Waste Quantity	(a)	10.0	
6. Waste Characteristics	100		2.0
Targets:			
7. Nearest Individual	50	2.0	
8. Population:			
8a. Level I Concentrations	(b)	0.0	
8b. Level II Concentrations	(b)	0.0	
8c. Potential Contamination	(c)	0.5	
8d. Population (lines 8a + 8b + 8c)	(b)	0.5	
9. Resources	5	5.0	
10. Sensitive Environments:			
10a. Actual Contamination	(c)	0.0	
10b. Potential Contamination	(c)	10.0	
10c. Sensitive Environments (lines 10a + 10b)	(c)	10.0	
11. Targets (lines 7 + 8d + 9 + 10c)	(b)		17.5
Air Migration Pathway Score:			
12. Pathway Score (S_a) [(lines 3 x 6 x 11)/82,500][d]	100		0.0

[a] Maximum value applies to waste characteristics category
[b] Maximum value not applicable
[c]No specific maximum value applies to factor. However, pathway score based solely on sensitive environments is limited to a maximum of 60.
[d] Do not round to nearest integer

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Groundwater score sheet (3.42)

1) Observed Release = 0 No observed Release
2) Potential to Release
    a) Containment = 10 surface impoundment with no liner
    b) Net precipitation = 10 Average annual precipitation = 43.04 from NOAA 30 year Average
    c) Depth to aquifer =5 Maximum value due to shallow hand dug wells in nearby Wilsonia. "Less than or equal to 25"
    d) Travel time = 35 because terrain is equivalent to karst

7) Nearest Well = 18 Greater than ¼ to ½ a mile from source

8) Population = 33 We are using 31- 100 people base on census data for Wilsonia of 5 people no data available for Grant Grove. I a distance of ¼ to ½ miles from source.

9) Resources = 5 Drinking water and stock . "Assign a resources value of 5 if no drinking water wells are within the target distance limit, but the water in the aquifer being evaluated or any overlying aquifers (as specified in section 3.0) is usable for drinking water purposes".

10) = 5 "If neither criterion applies, assign a value of 5, if, within the target distance limit, there is a designated Wellhead Protection Area applicable to the aquifer being evaluated or overlying aquifers".

Surface Water Scoresheet (23.58)

3) Observed Release = 0 No observed Release
4) Potential to Release
    e) Containment = 10 surface impoundment with no liner
    f) Net precipitation = 10 Average annual precipitation = 43.04 from NOAA 30 year Average
    g) Depth to aquifer =5 Maximum value due to shallow hand dug wells in nearby Wilsonia. "Less than or equal to 25"
    h) Travel time = 35 because terrain is equivalent to karst

Threats

Contaminates found at lower Kaweah; Dioxin, Lead, Chrome, DDT and DDE
Liquid/Karst use DDE, DDT and Dioxin
Nonliquid/Karst use Chrome and Lead
Drinking Water (0.55)

7) Nearest intake= 0 due to no drinking water intakes down gradient

"Assign a value of 5 if, within the in-water segment of the hazardous substance migration path for the watershed, the surface water is used for one or more of the following purposes:

1) Irrigation (5 acre minimum) of commercial food crops or commercial forage crops.
2) Watering of commercial livestock.
3) Ingredient in commercial food preparation.
4) Major or designated water recreation area, excluding drinking water use.

Assign a value of 5 if, within the in-water segment of the hazardous substance migration path for the watershed, the surface water is not used for drinking water, but either of the following applies:

- Any portion of the surface water is designated by a State for drinking water use under section 305(a) of the Clean Water Act, as amended.
- Any portion of the surface water is usable for drinking water purposes. "

Human Food Chain (12.12)
Food chain Individual
No observable release fishery/minimal stream = 20
Environmental (10.91)
Sensitive environments = 100 due to national park

Soil Exposure (13.86)

1) Likelihood of exposure = 550

5) Resident individual = 0 " *Resident individual.* Evaluate this factor based on whether there is a resident individual, as specified in section 5.1.3, who is subject to Level I or Level II concentrations. "

6) Workers = 10 Consider park workers and guests. Horse trails
7) Terrestrial sensitive environments = 100 due to national park (9)
8) Attractiveness accessibility = 100 because rec area (12)
9) Areas of contamination = 40 due to square footage between 125, 000 and 250,000 (13)
10) Nearby individual = 1 choices are 0 or 1 1 being more conservative (18)
11) Population within one mile = score of 0.4 because 11 to 30 people within one mile (19)

Air Score (0)

No observed release
2) Gas and particulate score are 10 (2) "other' on both charts
3) Particulates 10 Both gas and particulate charts classify site as "other" Default score is 10
7)Nearest individual = value of 2 greater than ¼ to ½ miles (7)

8) Potential contaminate (8c) assigned a value of 5 if assign a value of 5 if one or more of the following resources are present within one-half mile of a source at the site having an air migration containment factor value greater than 0:

- Commercial agriculture.
- Commercial Silviculture (Tree growth)
- Major or designated recreation area".

10b) Potential contamination = 100 due to national parks

Max value for Karst terrain we propose that fractured bed rock is equivalent to Karst terrain.

APPENDIX B
Ash Mountain SWMU #2 and Grant Grove SWMU #38 EDR Reports

Ash Mountain SWMU #2
EDR Reports

Ash Mountain Solid Waste Management Unit # 2
Sycamore Drive
Three Rivers, CA 93271

Inquiry Number: 3739597.2s
September 25, 2013

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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Detail Map	3
Map Findings Summary	4
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Orphan Summary	25
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
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Physical Setting Source Records Searched	A-13

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

SYCAMORE DRIVE
THREE RIVERS, CA 93271

COORDINATES

Latitude (North):	36.4870000 - 36˚ 29' 13.20''
Longitude (West):	118.8423000 - 118˚ 50' 32.28''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	334972.4
UTM Y (Meters):	4039342.2
Elevation:	1638 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	36118-D7 CASE MOUNTAIN, CA
Most Recent Revision:	1987
North Map:	36118-E7 GIANT FOREST, CA
Most Recent Revision:	1993

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year:	2012
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL---------- National Priority List

EXECUTIVE SUMMARY

Proposed NPL ..... Proposed National Priority List Sites
NPL LIENS ..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP ..... CERCLIS No Further Remedial Action Planned

Federal RCRA generators list

RCRA-LQG ..... RCRA - Large Quantity Generators
RCRA-SQG ..... RCRA - Small Quantity Generators
RCRA-CESQG ..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROL ..... Sites with Institutional Controls
LUCIS ..... Land Use Control Information System

Federal ERNS list

ERNS ..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE ..... State Response Sites

State- and tribal - equivalent CERCLIS

ENVIROSTOR ..... EnviroStor Database

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ..... Solid Waste Information System

State and tribal leaking storage tank lists

LUST ..... Geotracker's Leaking Underground Fuel Tank Report
SLIC ..... Statewide SLIC Cases
INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

UST ..... Active UST Facilities
AST ..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST ..... Underground Storage Tanks on Indian Land
FEMA UST ..... Underground Storage Tank Listing

EXECUTIVE SUMMARY

State and tribal voluntary cleanup sites

VCP ..... Voluntary Cleanup Program Properties
INDIAN VCP ..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

ODI ..... Open Dump Inventory
DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
WMUDS/SWAT ..... Waste Management Unit Database
SWRCY ..... Recycler Database
HAULERS ..... Registered Waste Tire Haulers Listing
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL ..... Clandestine Drug Labs
HIST Cal-Sites ..... Historical Calsites Database
SCH ..... School Property Evaluation Program
Toxic Pits ..... Toxic Pits Cleanup Act Sites
CDL ..... Clandestine Drug Labs
US HIST CDL ..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

CA FID UST ..... Facility Inventory Database
HIST UST ..... Hazardous Substance Storage Container Database
SWEEPS UST ..... SWEEPS UST Listing

Local Land Records

LIENS 2 ..... CERCLA Lien Information
LIENS ..... Environmental Liens Listing
DEED ..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System
CHMIRS ..... California Hazardous Material Incident Report System
LDS ..... Land Disposal Sites Listing
MCS ..... Military Cleanup Sites Listing
SPILLS 90 ..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR ..... RCRA - Non Generators
DOT OPS ..... Incident and Accident Data

EXECUTIVE SUMMARY

DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
US MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System
RMP	Risk Management Plans
CA BOND EXP. PLAN	Bond Expenditure Plan
UIC	UIC Listing
NPDES	NPDES Permits Listing
Cortese	"Cortese" Hazardous Waste & Substances Sites List
HIST CORTESE	Hazardous Waste & Substance Site List
CUPA Listings	CUPA Resources List
Notify 65	Proposition 65 Records
DRYCLEANERS	Cleaner Facilities
WIP	Well Investigation Program Case List
ENF	Enforcement Action Listing
HAZNET	Facility and Manifest Data
EMI	Emissions Inventory Data
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
HWT	Registered Hazardous Waste Transporter Database
HWP	EnviroStor Permitted Facilities Listing
Financial Assurance	Financial Assurance Information Listing
LEAD SMELTERS	Lead Smelter Sites
2020 COR ACTION	2020 Corrective Action Program List
US AIRS	Aerometric Information Retrieval System Facility Subsystem
PRP	Potentially Responsible Parties
WDS	Waste Discharge System
EPA WATCH LIST	EPA WATCH LIST
US FIN ASSUR	Financial Assurance Information
PCB TRANSFORMER	PCB Transformer Registration Database
PROC	Certified Processors Database
MWMP	Medical Waste Management Program Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants

EXECUTIVE SUMMARY

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 in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS list

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

A review of the CERCLIS list, as provided by EDR, and dated 04/26/2013 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SEQUOIA & KINGS CANYON NATIONA	***47050 GENERALS HWY***	***ENE 1/4 - 1/2 (0.315 mi.)***	***1***	***8***

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 07/11/2013 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SEQUOIA & KINGS CANYON NATIONA	***47050 GENERALS HWY***	***ENE 1/4 - 1/2 (0.315 mi.)***	***1***	***8***

EXECUTIVE SUMMARY

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: 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.

A review of the RCRA-TSDF list, as provided by EDR, and dated 07/11/2013 has revealed that there is 1 RCRA-TSDF site within approximately 0.5 miles of the target property.

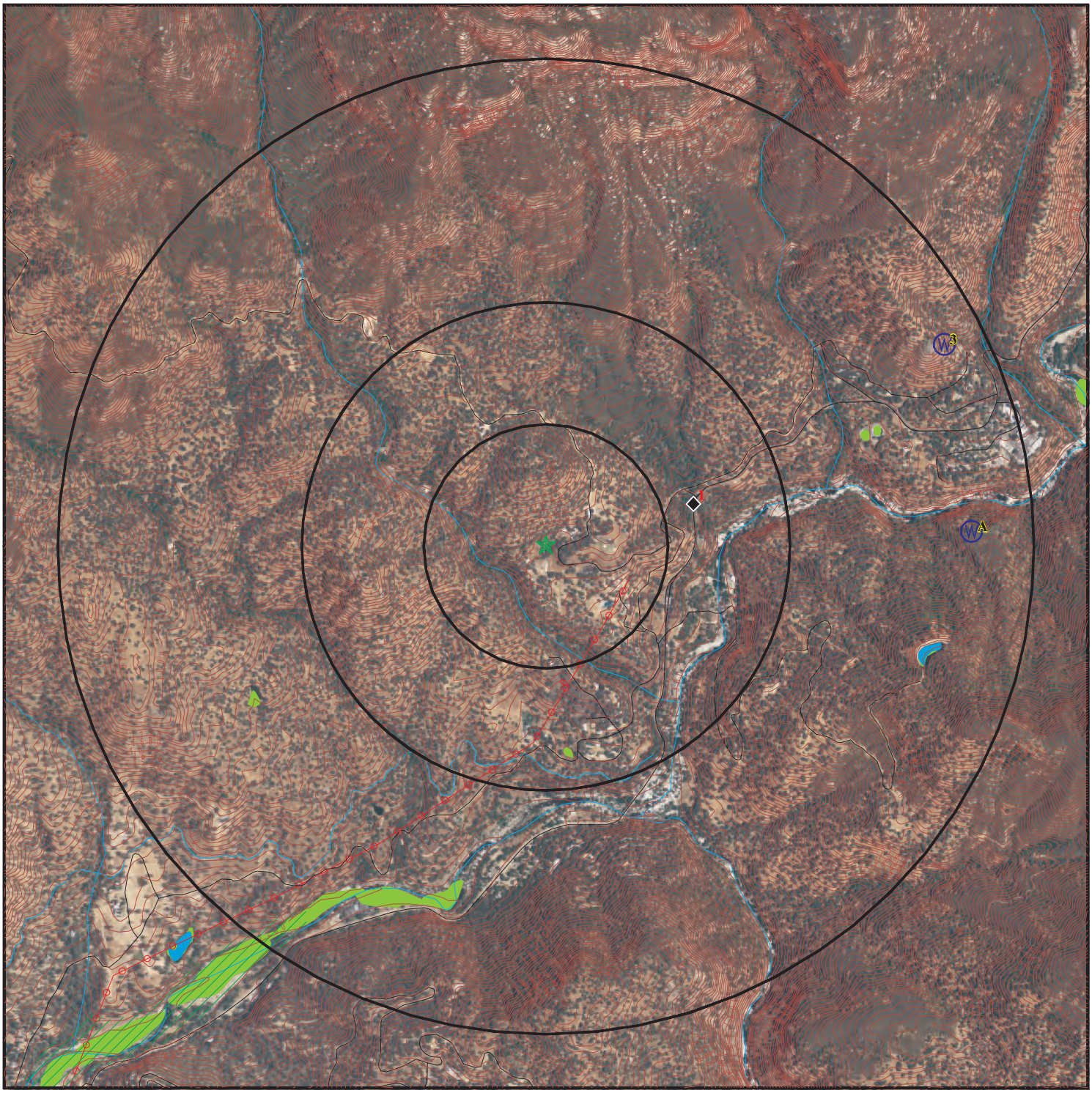
Lower Elevation	Address	Direction / Distance	Map ID	Page
SEQUOIA & KINGS CANYON NATIONA	***47050 GENERALS HWY***	***ENE 1/4 - 1/2 (0.315 mi.)***	***1***	***8***

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 10 records.

Site Name	Database(s)
ASH MOUNTAIN VISITOR CENTER	HIST CORTESE, LUST
ASH MOUNTAIN STORAGE FACILITY	HWP
RED FIR MAINTENANCE	CA FID UST, SWEEPS UST
ASH MOUNTAIN - SEQUOIA/KINGS	SWEEPS UST
SEQ & K C NAT'L PARKS - ASH MOUNTA	UST
SO CALIF EDISON__KAWEAH NO.2	HAZNET
KAWEAH NO 2	RCRA-LQG
KAWEAH 2	FINDS
KAWEAH NO 2	FINDS
ASH MOUNTAIN	FINDS

OVERVIEW MAP - 3739597.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

0 1/4 1/2 1 Miles

- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Ash Mountain Solid Waste Management Unit # 2 ADDRESS: Sycamore Drive Three Rivers CA 93271 LAT/LONG: 36.487 / 118.8423	CLIENT: Environmental Cost Management, Inc. CONTACT: Holly Trejo INQUIRY #: 3739597.2s DATE: September 25, 2013 2:01 pm

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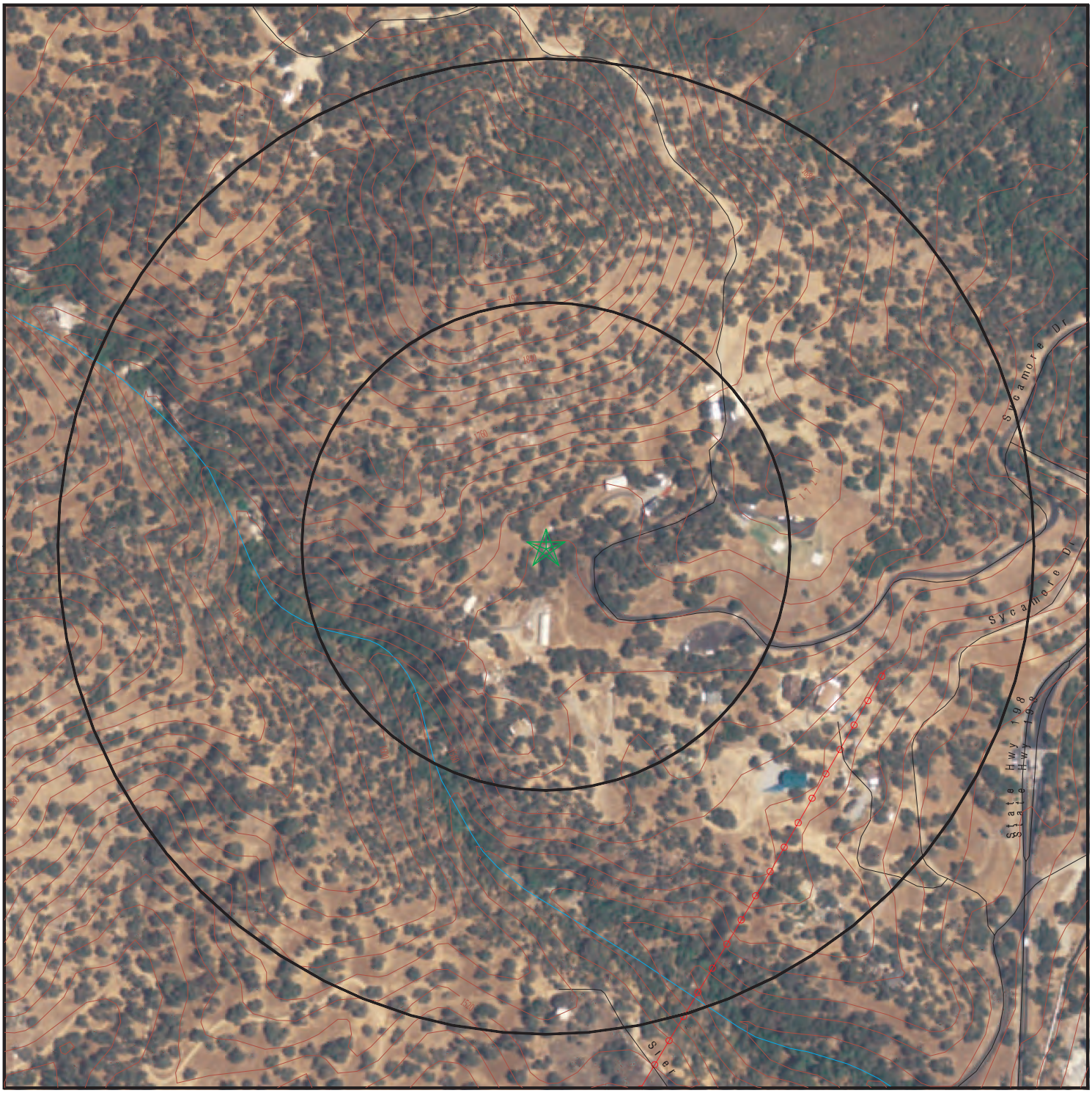
DETAIL MAP - 3739597.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/16 1/8 1/4 Miles

- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Ash Mountain Solid Waste Management Unit # 2	CLIENT:	Environmental Cost Management, Inc.
ADDRESS:	Sycamore Drive Three Rivers CA 93271	CONTACT:	Holly Trejo
		INQUIRY #:	3739597.2s
LAT/LONG:	36.487 / 118.8423	DATE:	September 25, 2013 2:03 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	1	NR	NR	1
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	1	0	NR	1
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	1	NR	NR	1
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SLIC	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA FID UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
SWEEPS UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
Cortese	0.500		0	0	0	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PROC	0.500		0	0	0	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		0	0	NR	NR	NR	0
EDR US Hist Cleaners	0.250		0	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1 ENE 1/4-1/2 0.315 mi. 1662 ft. | **SEQUOIA & KINGS CANYON NATIONAL PARKS**
47050 GENERALS HWY
THREE RIVERS, CA 93271 | **RCRA-TSDF**
CERCLIS
CORRACTS
RCRA-SQG | **1015730590**
CA6141790083

Relative: Lower

Actual: 1491 ft.

RCRA-TSDF:

Date form received by agency:	02/08/2002
Facility name:	SEQUOIA & KINGS CANYON NATIONAL PARKS
Facility address:	47050 GENERALS HWY THREE RIVERS, CA 93271
EPA ID:	CA6141790083
Contact:	GARY J BORNHOLDT
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(559) 565-3108
Contact email:	Not reported
EPA Region:	09
Land type:	Federal
Classification:	TSDF
Description:	Handler is engaged in the treatment, storage or disposal of hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Universal Waste Summary:

Waste type:	Batteries
Accumulated waste on-site:	Unknown
Generated waste on-site:	Yes
Waste type:	Lamps
Accumulated waste on-site:	Unknown
Generated waste on-site:	Yes

Historical Generators:

Date form received by agency:	02/08/2002
Facility name:	SEQUOIA & KINGS CANYON NATIONAL PARKS
Classification:	Large Quantity Generator
Date form received by agency:	10/12/2000
Facility name:	SEQUOIA & KINGS CANYON NATIONAL PARKS
Classification:	Large Quantity Generator

SEQUOIA & KINGS CANYON NATIONAL PARKS (Continued) **1015730590**

Date form received by agency: 06/02/1993
Facility name: SEQUOIA & KINGS CANYON NATIONAL PARKS
Site name: USDOI NPS SEQUOIA AND KINGS CYN NATL PKS
Classification: Small Quantity Generator

Date form received by agency: 03/11/1986
Facility name: SEQUOIA & KINGS CANYON NATIONAL PARKS
Site name: USDOI NPS SEQUOIA AND KINGS CYN NATL PKS
Classification: Small Quantity Generator

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Corrective Action Summary:
Event date: 02/01/1986
Event: CA049PA

Event date: 01/01/1990
Event: CA029ST

Event date: 06/30/1992

SEQUOIA & KINGS CANYON NATIONAL PARKS (Continued) **1015730590**

Event: CA049RE

Event date: 06/30/1992
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 06/30/1992
Event: CA029ST

Event date: 08/27/1992
Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time for reasons other than 1- it appears to be technically infeasible or inappropriate (NF) or 2- there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Event date: 08/27/1992
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 08/08/1997
Event: RFA Completed, Assessment was an RFA.

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/19/2004
Date achieved compliance: 06/23/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/19/2004
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.50-56.D
Area of violation: TSD - General
Date violation determined: 06/13/1995
Date achieved compliance: 07/24/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/21/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.10-18.B
Area of violation: TSD - General
Date violation determined: 06/13/1995

SEQUOIA & KINGS CANYON NATIONAL PARKS (Continued) **1015730590**

Date achieved compliance: 07/24/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/21/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 05/17/1994
Date achieved compliance: 09/19/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/01/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.190-201.J
Area of violation: TSD - General
Date violation determined: 05/17/1994
Date achieved compliance: 09/19/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/01/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 262.10-12.A
Area of violation: Generators - General
Date violation determined: 05/17/1994
Date achieved compliance: 09/19/1994
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/01/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 05/17/1994
Date achieved compliance: 09/19/1994

SEQUOIA & KINGS CANYON NATIONAL PARKS (Continued) **1015730590**

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/01/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.170-177.I
Area of violation: TSD - General
Date violation determined: 08/21/1992
Date achieved compliance: 08/21/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/21/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 05/30/1991
Date achieved compliance: 07/06/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/24/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 05/17/1990
Date achieved compliance: 04/22/1994
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 09/27/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.70-77.E
Area of violation: TSD - General
Date violation determined: 05/17/1990
Date achieved compliance: 04/22/1994
Violation lead agency: EPA

SEQUOIA & KINGS CANYON NATIONAL PARKS (Continued) **1015730590**

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/24/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 05/17/1990
Date achieved compliance: 04/22/1994
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 09/27/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 05/17/1990
Date achieved compliance: 04/22/1994
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 09/27/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 05/17/1990
Date achieved compliance: 04/22/1994
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 09/27/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 05/17/1990
Date achieved compliance: 04/22/1994
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE

SEQUOIA & KINGS CANYON NATIONAL PARKS (Continued) **1015730590**

Enforcement action date: 09/27/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 05/17/1990
Date achieved compliance: 04/22/1994
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/24/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 05/17/1990
Date achieved compliance: 04/22/1994
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/24/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 05/17/1990
Date achieved compliance: 04/22/1994
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/24/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 05/17/1990
Date achieved compliance: 04/22/1994
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/24/1990

SEQUOIA & KINGS CANYON NATIONAL PARKS (Continued) **1015730590**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 06/23/1988
Date achieved compliance: 05/17/1990
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 06/23/1988
Date achieved compliance: 05/17/1990
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 06/23/1988
Date achieved compliance: 05/17/1990
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 06/23/1988
Date achieved compliance: 05/17/1990
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/12/1989
Enf. disposition status: Not reported

SEQUOIA & KINGS CANYON NATIONAL PARKS (Continued) **1015730590**

Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 06/23/1988
Date achieved compliance: 05/17/1990
Violation lead agency: EPA
Enforcement action: STATE TO EPA ADMINISTRATIVE REFERRAL
Enforcement action date: 09/15/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 06/23/1988
Date achieved compliance: 05/17/1990
Violation lead agency: EPA
Enforcement action: STATE TO EPA ADMINISTRATIVE REFERRAL
Enforcement action date: 09/15/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 06/23/1988
Date achieved compliance: 05/17/1990
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/12/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 06/23/1988
Date achieved compliance: 05/17/1990
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

SEQUOIA & KINGS CANYON NATIONAL PARKS (Continued) **1015730590**

Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 06/23/1988
Date achieved compliance: 05/17/1990
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/12/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 06/23/1988
Date achieved compliance: 05/17/1990
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/12/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 06/23/1988
Date achieved compliance: 05/17/1990
Violation lead agency: EPA
Enforcement action: STATE TO EPA ADMINISTRATIVE REFERRAL
Enforcement action date: 09/15/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 264.110-120.G
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 06/23/1988
Date achieved compliance: 05/17/1990
Violation lead agency: EPA
Enforcement action: STATE TO EPA ADMINISTRATIVE REFERRAL
Enforcement action date: 09/15/1988
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA

SEQUOIA & KINGS CANYON NATIONAL PARKS (Continued) **1015730590**

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 07/04/1987
Date achieved compliance: 06/23/1988
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268.7
Area of violation: LDR - General
Date violation determined: 04/07/1987
Date achieved compliance: 07/04/1987
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 268 ALL
Area of violation: LDR - General
Date violation determined: 04/07/1987
Date achieved compliance: 07/04/1987
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: FR - 270
Area of violation: TSD - General
Date violation determined: 04/07/1987
Date achieved compliance: 07/04/1987
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported

SEQUOIA & KINGS CANYON NATIONAL PARKS (Continued) **1015730590**

Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 05/19/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 06/23/2004
Evaluation lead agency: State Contractor/Grantee

Evaluation date: 10/15/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/13/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 07/24/1995
Evaluation lead agency: State

Evaluation date: 05/17/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 09/19/1994
Evaluation lead agency: State

Evaluation date: 05/17/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 09/19/1994
Evaluation lead agency: State

Evaluation date: 05/17/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 09/19/1994
Evaluation lead agency: State

Evaluation date: 07/15/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 08/21/1992
Evaluation lead agency: State

Evaluation date: 07/29/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/30/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 07/06/1991
Evaluation lead agency: State

SEQUOIA & KINGS CANYON NATIONAL PARKS (Continued) **1015730590**

Evaluation date: 05/17/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 04/22/1994
Evaluation lead agency: EPA

Evaluation date: 05/17/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 04/22/1994
Evaluation lead agency: EPA

Evaluation date: 05/17/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 04/22/1994
Evaluation lead agency: EPA

Evaluation date: 06/23/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 05/17/1990
Evaluation lead agency: EPA

Evaluation date: 06/23/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 05/17/1990
Evaluation lead agency: EPA

Evaluation date: 06/23/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 05/17/1990
Evaluation lead agency: EPA

Evaluation date: 07/04/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 06/23/1988
Evaluation lead agency: EPA

Evaluation date: 04/07/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 07/04/1987
Evaluation lead agency: EPA

Evaluation date: 04/07/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 07/04/1987
Evaluation lead agency: EPA

CERCLIS:
Site ID: 0908480
EPA ID: CA6141790083
Facility County: TULARE

SEQUOIA & KINGS CANYON NATIONAL PARKS (Continued) **1015730590**

Short Name:	SEQUOIA AND KINGS CANYON
Congressional District:	Not reported
IFMS ID:	Not reported
SMSA Number:	Not reported
USGC Hydro Unit:	Not reported
Federal Facility:	Federal Facility
DMNSN Number:	0.00000
Site Orphan Flag:	Not reported
RCRA ID:	Not reported
USGS Quadrangle:	Not reported
Site Init By Prog:	S
NFRAP Flag:	Not reported
Parent ID:	Not reported
RST Code:	Not reported
EPA Region:	09
Classification:	Not reported
Site Settings Code:	Not reported
NPL Status:	Not on the NPL
DMNSN Unit Code:	Not reported
RBRAC Code:	Not reported
RResp Fed Agency Code:	NAPS
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information
Non NPL Status Date:	04/28/08
Site Fips Code:	06107
CC Concurrence Date:	/ /
CC Concurrence FY:	Not reported
Alias EPA ID:	Not reported
Site FUDS Flag:	Not reported

CERCLIS Site Contact Name(s):

Contact ID:	9271184.00000
Contact Name:	Not reported
Contact Tel:	Not reported
Contact Title:	Site Assessment Manager (SAM)
Contact Email:	Not reported
Contact ID:	13003854.00000
Contact Name:	Not reported
Contact Tel:	Not reported
Contact Title:	Site Assessment Manager (SAM)
Contact Email:	Not reported
Contact ID:	13003858.00000
Contact Name:	Not reported
Contact Tel:	Not reported
Contact Title:	Site Assessment Manager (SAM)
Contact Email:	Not reported
Contact ID:	13004003.00000
Contact Name:	Not reported
Contact Tel:	Not reported
Contact Title:	Site Assessment Manager (SAM)
Contact Email:	Not reported

CERCLIS Site Alias Name(s):

Alias ID:	13000008

SEQUOIA & KINGS CANYON NATIONAL PARKS (Continued) **1015730590**

Alias Name: SEQUOIA AND KINGS CANYON NATIONAL PARKS: ASH MOUNTAIN STORAGE FACILITY
Alias Address: US DOI NATIONAL PARKS SERVICES
THREE RIVERS, CA 932719700
Alias Comments: Not reported
Site Description: FF PA review completed 4/28/08.

CERCLIS Assessment History:

Action Code: 001
Action: DISCOVERY
Date Started: / /
Date Completed: 11/16/88
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

Action Code: 001
Action: FEDERAL FACILITY PRELIMINARY ASSESSMENT REVIEW
Date Started: 04/11/08
Date Completed: 04/28/08
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information
Operable Unit: SITEWIDE
Primary Responsibility: EPA In-House
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

CORRACTS:

EPA ID: CA6141790083
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19900101
Action: CA029ST
NAICS Code(s): 71219
Nature Parks and Other Similar Institutions
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CA6141790083
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19860201
Action: CA049PA
NAICS Code(s): 71219
Nature Parks and Other Similar Institutions
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CA6141790083
EPA Region: 09
Area Name: ENTIRE FACILITY

SEQUOIA & KINGS CANYON NATIONAL PARKS (Continued) **1015730590**

Actual Date: 19920630
Action: CA029ST
NAICS Code(s): 71219
Nature Parks and Other Similar Institutions
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CA6141790083
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19920630
Action: CA049RE
NAICS Code(s): 71219
Nature Parks and Other Similar Institutions
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CA6141790083
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19920630
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 71219
Nature Parks and Other Similar Institutions
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CA6141790083
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19970808
Action: CA050RF - RFA Completed, Assessment was an RFA
NAICS Code(s): 71219
Nature Parks and Other Similar Institutions
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CA6141790083
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19920827
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 71219
Nature Parks and Other Similar Institutions
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: CA6141790083
EPA Region: 09
Area Name: ENTIRE FACILITY
Actual Date: 19920827
Action: CA225NR - Stabilization Measures Evaluation, This facility is, not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information

SEQUOIA & KINGS CANYON NATIONAL PARKS (Continued) **1015730590**

(IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations

NAICS Code(s): 71219
Nature Parks and Other Similar Institutions

Original schedule date: Not reported

Schedule end date: Not reported

Count: 10 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
SEQUOIA NAT'L PAR	S101595899	RED FIR MAINTENANCE	GENERALS HWY	93271	CA FID UST, SWEEPS UST
THREE RIVERS	U004194974	SEQ & K C NAT'L PARKS - ASH MOUNTA	ASH MOUNTAIN MAINTENANCE FACIL	93271	UST
THREE RIVERS	S106922901	ASH MOUNTAIN - SEQUOIA/KINGS	GRANT GROVE	93271	SWEEPS UST
THREE RIVERS	S113010182	SO CALIF EDISON__KAWEAH NO.2	KAWEAH NO2	93271	HAZNET
THREE RIVERS	1010022687	KAWEAH 2	KAWEAH RIVER DR		FINDS
THREE RIVERS	1012176362	KAWEAH NO 2	0225 MILES NW OF THE INTERSEC	93271	RCRA-LQG
THREE RIVERS	1012233346	KAWEAH NO 2	0225 MILES NW OF THE INTERSEC		FINDS
THREE RIVERS	S109467203	ASH MOUNTAIN STORAGE FACILITY	SEQUOIA NATIONAL PARK	93271	HWP
THREE RIVERS	S103480360	ASH MOUNTAIN VISITOR CENTER	SEQUOIA NATL PARK	93271	HIST CORTESE, LUST
THREE RIVERS	1014676003	ASH MOUNTAIN	UNKNOWN	93271	FINDS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/09/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 62

Source: EPA
Telephone: N/A
Last EDR Contact: 07/12/2013
Next Scheduled EDR Contact: 10/21/2013
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
Date Data Arrived at EDR: 05/09/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 62

Source: EPA
Telephone: N/A
Last EDR Contact: 07/12/2013
Next Scheduled EDR Contact: 10/21/2013
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 07/12/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/21/2013
	Data Release Frequency: Quarterly

Federal CERCLIS list

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

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

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/29/2013	Telephone: 703-412-9810
Date Made Active in Reports: 08/09/2013	Last EDR Contact: 09/13/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

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

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

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

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

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/29/2013	Telephone: 703-412-9810
Date Made Active in Reports: 08/09/2013	Last EDR Contact: 09/13/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/08/2013
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: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/08/2013
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: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 03/14/2013
Date Data Arrived at EDR: 03/29/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 03/14/2013
Date Data Arrived at EDR: 03/29/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

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

Date of Government Version: 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: 08/15/2013
Next Scheduled EDR Contact: 09/02/2013
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/17/2013
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 29

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 07/01/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

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

Date of Government Version: 08/05/2013
Date Data Arrived at EDR: 08/05/2013
Date Made Active in Reports: 08/27/2013
Number of Days to Update: 22

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/05/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 08/05/2013
Date Data Arrived at EDR: 08/05/2013
Date Made Active in Reports: 08/27/2013
Number of Days to Update: 22

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/05/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive 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
Date Data Arrived at EDR: 05/21/2013
Date Made Active in Reports: 06/25/2013
Number of Days to Update: 35

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/19/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 8: Leaking Underground Storage Tanks

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

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

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

LUST REG 7: Leaking Underground Storage Tank Case Listing

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

Date of Government Version: 02/26/2004
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 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
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
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
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
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: 07/26/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 31

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 09/17/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

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: 07/26/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 31

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/17/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

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
Date Data Arrived at EDR: 02/06/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 65

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 11/01/2012
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 162

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/02/2013
Next Scheduled EDR Contact: 11/11/2013
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
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Quarterly

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

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
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
Date Data Arrived at EDR: 02/08/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Semi-Annually

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
Date Data Arrived at EDR: 02/28/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 43

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
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
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 07/26/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 25

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 09/17/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 916-327-5092
Last EDR Contact: 07/03/2013
Next Scheduled EDR Contact: 10/21/2013
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
Date Data Arrived at EDR: 02/06/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 65

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
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
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 45

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/28/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 43

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
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
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
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
Date Data Arrived at EDR: 08/03/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 94

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
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
Date Data Arrived at EDR: 02/08/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 156

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/02/2013
Next Scheduled EDR Contact: 11/11/2013
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
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/19/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

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

Date of Government Version: 08/05/2013
Date Data Arrived at EDR: 08/05/2013
Date Made Active in Reports: 08/27/2013
Number of Days to Update: 22

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/05/2013
Next Scheduled EDR Contact: 11/18/2013
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
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 14

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 07/02/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Date of Government Version: 06/24/2013
Date Data Arrived at EDR: 06/25/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/24/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/26/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: No Update Planned

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

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/17/2013
Date Made Active in Reports: 08/16/2013
Number of Days to Update: 60

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 04/26/2013
Date Made Active in Reports: 05/16/2013
Number of Days to Update: 20

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/31/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

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

Date of Government Version: 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: 09/04/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Quarterly

HIST CAL-SITES: Calsites Database

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

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

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

SCH: School Property Evaluation Program

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

Date of Government Version: 08/05/2013
Date Data Arrived at EDR: 08/05/2013
Date Made Active in Reports: 08/27/2013
Number of Days to Update: 22

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/05/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

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

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

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: 09/03/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Varies

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

Local Lists of Registered Storage Tanks

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

Date of Government Version: 10/31/1994
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

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: 09/03/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Annually

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

Date of Government Version: 10/15/1990
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

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

Local Land Records

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/06/2013
Date Data Arrived at EDR: 04/25/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 06/14/2013
Date Data Arrived at EDR: 06/17/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 65

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/23/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

DEED: Deed Restriction Listing

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

Date of Government Version: 06/10/2013
Date Data Arrived at EDR: 06/11/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 71

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/11/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 55

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/01/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

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

Date of Government Version: 03/12/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 06/25/2013
Number of Days to Update: 55

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 08/02/2013
Next Scheduled EDR Contact: 11/11/2013
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: 07/26/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 31

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/17/2013
Next Scheduled EDR Contact: 12/30/2013
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: 07/26/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 31

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/17/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

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

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

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

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/05/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005
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: 07/19/2013
Next Scheduled EDR Contact: 10/28/2013
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: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 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

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
Date Data Arrived at EDR: 03/13/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 30

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/13/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/28/2013
Next Scheduled EDR Contact: 09/09/2013
Data Release Frequency: Varies

US MINES: Mines Master Index File

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

Date of Government Version: 02/05/2013
Date Data Arrived at EDR: 04/18/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 22

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/05/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/30/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/24/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Every 4 Years

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

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Quarterly

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

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Quarterly

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
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
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 07/01/2013
Next Scheduled EDR Contact: 10/28/2013
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
Date Data Arrived at EDR: 01/16/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 114

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/17/2013
Next Scheduled EDR Contact: 10/28/2013
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
Date Data Arrived at EDR: 03/20/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 112

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

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

Date of Government Version: 04/09/2013
Date Data Arrived at EDR: 04/11/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 29

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/12/2013
Next Scheduled EDR Contact: 10/21/2013
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).

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: 09/11/2013
Next Scheduled EDR Contact: 12/23/2013
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: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
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: 08/26/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Biennially

CA BOND EXP. PLAN: Bond Expenditure Plan

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

Date of Government Version: 01/01/1989
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

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/20/2013
Date Data Arrived at EDR: 05/21/2013
Date Made Active in Reports: 06/12/2013
Number of Days to Update: 22

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/19/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Quarterly

UIC: UIC Listing

A listing of underground control injection wells.

Date of Government Version: 03/05/2013
Date Data Arrived at EDR: 03/19/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 8

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 09/17/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Varies

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

Date of Government Version: 07/05/2013
Date Data Arrived at EDR: 07/05/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 52

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 07/05/2013
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 [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 09/23/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: No Update Planned

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

Date of Government Version: 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: 09/10/2013
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

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

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

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

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 07/16/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 41

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/16/2013
Next Scheduled EDR Contact: 10/28/2013
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: 12/31/2010
Date Data Arrived at EDR: 06/25/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 58

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/25/2013
Next Scheduled EDR Contact: 10/07/2013
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2005
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: 07/19/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 03/07/2011
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: 08/01/2013
Next Scheduled EDR Contact: 11/04/2013
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 03/04/2013
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: 08/23/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/02/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/17/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 65

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

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

Date of Government Version: 05/02/2013
Date Data Arrived at EDR: 06/13/2013
Date Made Active in Reports: 07/24/2013
Number of Days to Update: 41

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 09/11/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 07/19/2013
Next Scheduled EDR Contact: 10/28/2013
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
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/13/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

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

Date of Government Version: 07/15/2013
Date Data Arrived at EDR: 07/16/2013
Date Made Active in Reports: 08/12/2013
Number of Days to Update: 27

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/16/2013
Next Scheduled EDR Contact: 10/28/2013
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: 08/27/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/21/2013
Date Data Arrived at EDR: 05/22/2013
Date Made Active in Reports: 06/27/2013
Number of Days to Update: 36

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/15/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 08/27/2013
Number of Days to Update: 19

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 08/26/2013
Next Scheduled EDR Contact: 11/11/2013
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
Date Data Arrived at EDR: 02/14/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/24/2013
Next Scheduled EDR Contact: 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 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

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

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

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

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

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/16/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/19/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: N/A

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013
Date Data Arrived at EDR: 07/03/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 72

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

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Quarterly

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

Date of Government Version: 01/23/2013
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 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

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

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 08/13/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

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

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

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

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

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

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

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

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

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

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

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

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

ALAMEDA COUNTY:

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

Date of Government Version: 07/25/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 14

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: 07/25/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 25

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: 06/20/2013
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 61

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing
Cupa facility list.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 20

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 07/26/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: Varies

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 07/24/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 16

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 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: 06/20/2013
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 39

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

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

Date of Government Version: 06/10/2013
Date Data Arrived at EDR: 06/11/2013
Date Made Active in Reports: 07/24/2013
Number of Days to Update: 43

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 08/05/2013
Next Scheduled EDR Contact: 11/18/2013
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: 09/20/2013
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: 08/05/2013
Next Scheduled EDR Contact: 11/18/2013
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: 06/30/2013
Date Data Arrived at EDR: 07/16/2013
Date Made Active in Reports: 07/24/2013
Number of Days to Update: 8

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 07/15/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 08/09/2013
Date Data Arrived at EDR: 08/09/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 13

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/09/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 07/26/2013
Date Data Arrived at EDR: 08/09/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 13

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 11/11/2013
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: 09/10/2013
Next Scheduled EDR Contact: 12/09/2013
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: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
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: 06/20/2013
Date Data Arrived at EDR: 06/24/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 58

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/23/2013
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: 07/18/2013
Next Scheduled EDR Contact: 11/04/2013
Data Release Frequency: Varies

LOS ANGELES COUNTY:

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

Date of Government Version: 03/30/2009
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: 09/23/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 03/28/2013
Date Data Arrived at EDR: 06/17/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 65

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/15/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 07/22/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 35

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/22/2013
Next Scheduled EDR Contact: 11/04/2013
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: 07/17/2013
Next Scheduled EDR Contact: 11/04/2013
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: 07/17/2013
Next Scheduled EDR Contact: 11/04/2013
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 07/31/2013
Date Data Arrived at EDR: 08/01/2013
Date Made Active in Reports: 08/27/2013
Number of Days to Update: 26

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/18/2013
Next Scheduled EDR Contact: 11/04/2013
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: 07/26/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 07/15/2013
Date Data Arrived at EDR: 07/18/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 33

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/15/2013
Next Scheduled EDR Contact: 10/28/2013
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: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 11/26/2012
Date Data Arrived at EDR: 11/28/2012
Date Made Active in Reports: 01/21/2013
Number of Days to Update: 54

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 07/18/2013
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: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 06/04/2013
Date Data Arrived at EDR: 06/05/2013
Date Made Active in Reports: 07/15/2013
Number of Days to Update: 40

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 09/03/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/21/2013
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 61

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

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

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 09/03/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

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

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 09/03/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 05/29/2013
Date Data Arrived at EDR: 05/30/2013
Date Made Active in Reports: 07/15/2013
Number of Days to Update: 46

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 08/15/2013
Next Scheduled EDR Contact: 11/18/2013
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: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
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: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

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: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
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
Date Data Arrived at EDR: 03/13/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 14

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/20/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/18/2013
Date Data Arrived at EDR: 07/18/2013
Date Made Active in Reports: 07/24/2013
Number of Days to Update: 6

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/23/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 07/18/2013
Date Data Arrived at EDR: 07/18/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 33

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/23/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

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

Date of Government Version: 05/03/2013
Date Data Arrived at EDR: 07/08/2013
Date Made Active in Reports: 07/24/2013
Number of Days to Update: 16

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/05/2013
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: 05/03/2013
Date Data Arrived at EDR: 07/08/2013
Date Made Active in Reports: 08/23/2013
Number of Days to Update: 46

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/05/2013
Next Scheduled EDR Contact: 10/21/2013
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

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

Date of Government Version: 05/30/2013
Date Data Arrived at EDR: 05/31/2013
Date Made Active in Reports: 07/15/2013
Number of Days to Update: 45

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 11/25/2013
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: 09/23/2013
Next Scheduled EDR Contact: 12/23/2013
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: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
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: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite 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: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
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: 06/18/2013
Date Data Arrived at EDR: 06/24/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 57

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/23/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/04/2013
Date Data Arrived at EDR: 06/05/2013
Date Made Active in Reports: 07/15/2013
Number of Days to Update: 40

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory

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

Date of Government Version: 07/02/2013
Date Data Arrived at EDR: 07/05/2013
Date Made Active in Reports: 08/23/2013
Number of Days to Update: 49

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/13/2013
Next Scheduled EDR Contact: 09/30/2013
Data Release Frequency: Annually

Fuel Leak List

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

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/18/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

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

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 09/23/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List

Cupa facility list

Date of Government Version: 06/03/2013
Date Data Arrived at EDR: 06/04/2013
Date Made Active in Reports: 07/15/2013
Number of Days to Update: 41

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 09/03/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report

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

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

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

LOP Listing

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

Date of Government Version: 06/03/2013
Date Data Arrived at EDR: 06/06/2013
Date Made Active in Reports: 07/15/2013
Number of Days to Update: 39

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 09/03/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Annually

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: 08/08/2013
Next Scheduled EDR Contact: 11/25/2013
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: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/18/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 64

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/20/2013
Date Made Active in Reports: 08/12/2013
Number of Days to Update: 53

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/20/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 61

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 07/05/2013
Date Data Arrived at EDR: 07/05/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 47

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 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: 07/02/2013
Date Data Arrived at EDR: 07/05/2013
Date Made Active in Reports: 08/12/2013
Number of Days to Update: 38

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 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: 06/10/2013
Date Data Arrived at EDR: 06/11/2013
Date Made Active in Reports: 08/19/2013
Number of Days to Update: 69

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

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

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/26/2013
Next Scheduled EDR Contact: 11/11/2013
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: 08/19/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Quarterly

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

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

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 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: 08/19/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Quarterly

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

Date of Government Version: 05/28/2013
Date Data Arrived at EDR: 06/24/2013
Date Made Active in Reports: 08/12/2013
Number of Days to Update: 49

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/30/2013
Next Scheduled EDR Contact: 11/11/2013
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: 05/28/2013
Date Data Arrived at EDR: 06/17/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 64

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

YOLO COUNTY:

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

Date of Government Version: 06/24/2013
Date Data Arrived at EDR: 06/26/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 55

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 09/23/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/05/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 17

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/31/2013
Next Scheduled EDR Contact: 11/18/2013
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
Date Data Arrived at EDR: 05/21/2013
Date Made Active in Reports: 06/27/2013
Number of Days to Update: 37

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/19/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/19/2013
Next Scheduled EDR Contact: 10/28/2013
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: 08/01/2013
Date Data Arrived at EDR: 08/07/2013
Date Made Active in Reports: 09/10/2013
Number of Days to Update: 34

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/07/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 07/24/2013
Date Made Active in Reports: 08/19/2013
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/18/2013
Next Scheduled EDR Contact: 11/04/2013
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 08/05/2013
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/23/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
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: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

ASH MOUNTAIN SOLID WASTE MANAGEMENT UNIT # 2
SYCAMORE DRIVE
THREE RIVERS, CA 93271

TARGET PROPERTY COORDINATES

Latitude (North):	36.487 - 36˚ 29' 13.20''
Longitude (West):	118.8423 - 118˚ 50' 32.28''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	334972.4
UTM Y (Meters):	4039342.2
Elevation:	1638 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	36118-D7 CASE MOUNTAIN, CA
Most Recent Revision:	1987
North Map:	36118-E7 GIANT FOREST, CA
Most Recent Revision:	1993

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

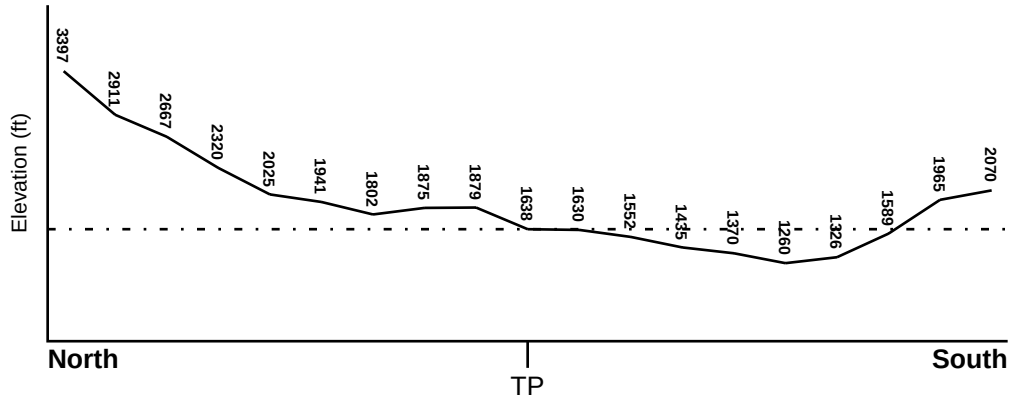
TOPOGRAPHIC INFORMATION

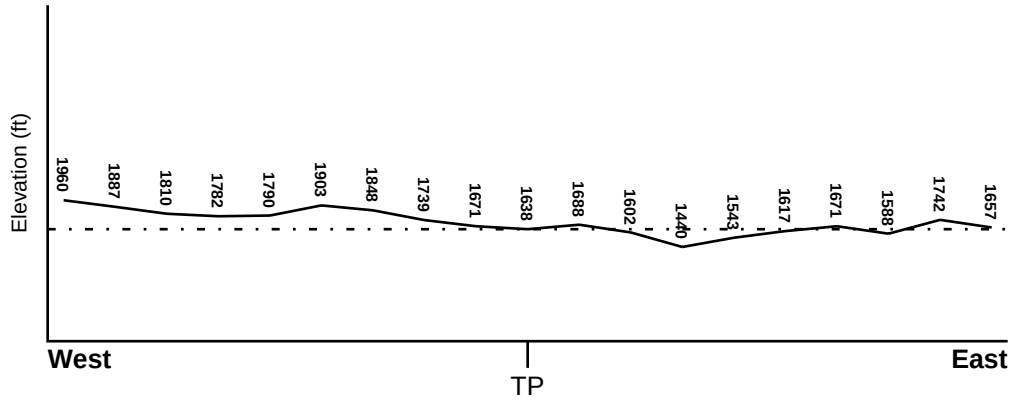
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 1638 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
TULARE, CA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 06107C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
CASE MOUNTAIN	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius: 1.25 miles
Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Mesozoic
System:	Cretaceous
Series:	Lower Cretaceous granitic rocks
Code:	Kg1 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	ROCK OUTCROP
Soil Surface Texture:	unweathered bedrock
Hydrologic Group:	Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.
Soil Drainage Class:	Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	Not Reported
Depth to Bedrock Min:	> 0 inches
Depth to Bedrock Max:	> 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	60 inches	unweathered bedrock	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: coarse sandy loam
sandy loam
fine sandy loam
clay

Surficial Soil Types: coarse sandy loam
sandy loam
fine sandy loam
clay

Shallow Soil Types: sandy loam
clay loam
gravelly - sandy loam
sandy clay

Deeper Soil Types: weathered bedrock

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

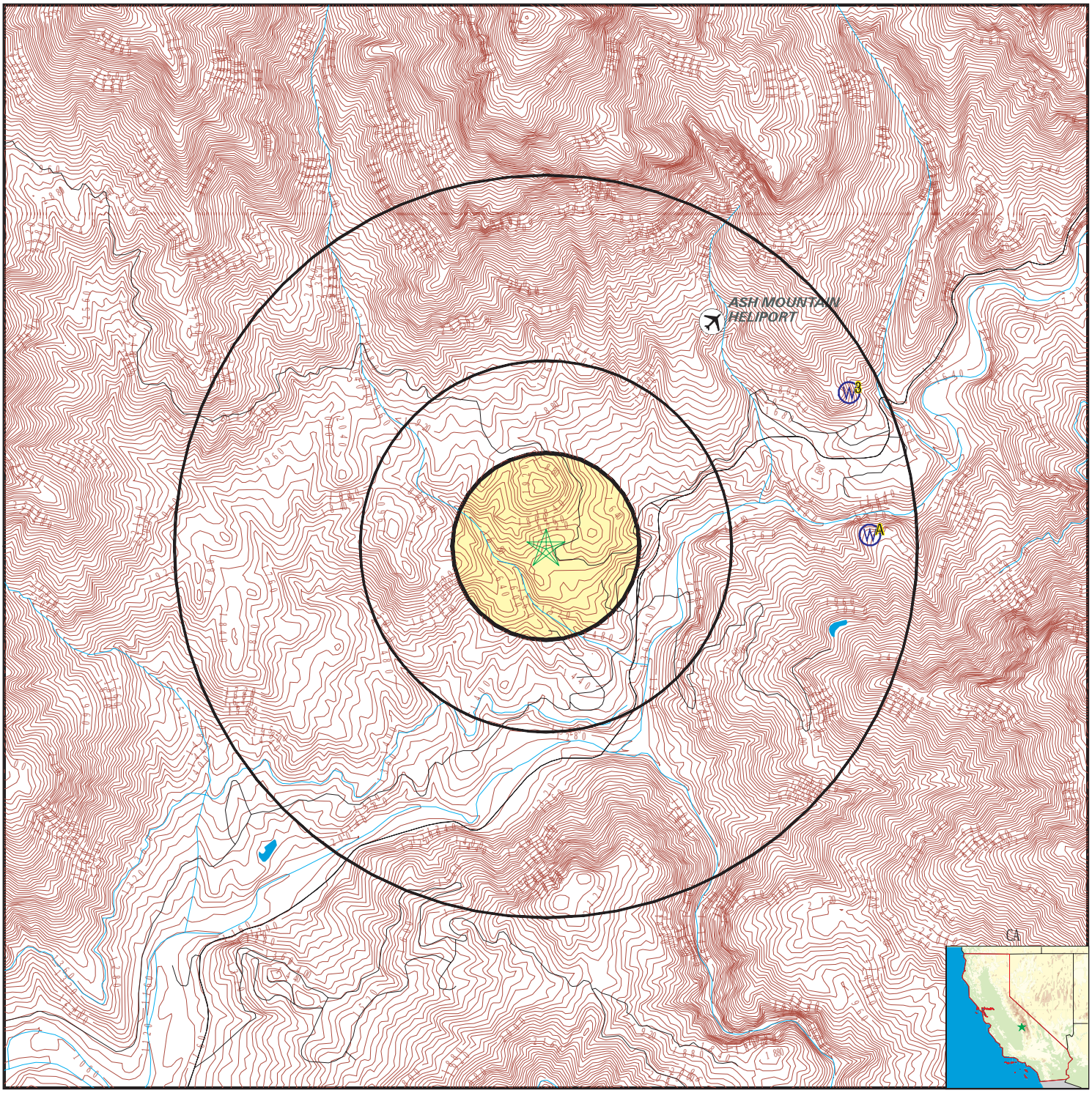
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	23534	1/2 - 1 Mile East
A2	23533	1/2 - 1 Mile East
3	23535	1/2 - 1 Mile ENE

PHYSICAL SETTING SOURCE MAP - 3739597.2s



County Boundary
Major Roads
Contour Lines
Earthquake Fault Lines
Airports
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
HD Closest Hydrogeological Data
Oil, gas or related wells

N

SITE NAME: Ash Mountain Solid Waste Management Unit # 2	CLIENT: Environmental Cost Management, Inc.
ADDRESS: Sycamore Drive Three Rivers CA 93271	CONTACT: Holly Trejo INQUIRY #: 3739597.2s
LAT/LONG: 36.487 / 118.8423	DATE: September 25, 2013 2:03 pm

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Map ID Direction Distance Elevation	Database	EDR ID Number
A1 **East** **1/2 - 1 Mile** **Higher**	**CA WELLS**	**23534**

Water System Information:

Prime Station Code:	L54/513-AMWELL1	User ID:	CYA
FRDS Number:	5410513002	County:	Tulare
District Number:	12	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Treated
Source Lat/Long:	362915.0 1184933.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	ASH MOUNTAIN WELL 01 - TREATED		
System Number:	5410513		
System Name:	SEQUOIA NATIONAL PARK-ASH MOUNTAIN		
Organization That Operates System:			
	Not Reported		
	THREE RIVERS, CA 93271		
Pop Served:	2900	Connections:	90
Area Served:	COMM ASH MOUNTAIN DISTRICT		
Sample Collected:	11/01/2010	Findings:	0.881 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	11/01/2010	Findings:	0.549 PCI/L
Chemical:	RADIUM 226 COUNTING ERROR		
Sample Collected:	11/01/2010	Findings:	0.474 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	11/01/2010	Findings:	0.338 PCI/L
Chemical:	URANIUM COUNTING ERROR		
Sample Collected:	07/10/2012	Findings:	35. UNITS
Chemical:	COLOR		
Sample Collected:	07/10/2012	Findings:	2. TON
Chemical:	ODOR THRESHOLD @ 60 C		
Sample Collected:	07/10/2012	Findings:	390. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/10/2012	Findings:	7.5
Chemical:	PH, LABORATORY		
Sample Collected:	07/10/2012	Findings:	190. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	07/10/2012	Findings:	230. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/10/2012	Findings:	200. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	07/10/2012	Findings:	67. MG/L
Chemical:	CALCIUM		
Sample Collected:	07/10/2012	Findings:	7.7 MG/L
Chemical:	MAGNESIUM		

Sample Collected:	07/10/2012	Findings:	10. MG/L
Chemical:	SODIUM		
Sample Collected:	07/10/2012	Findings:	2.4 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/10/2012	Findings:	2.4 MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/10/2012	Findings:	0.11 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/10/2012	Findings:	1400. UG/L
Chemical:	IRON		
Sample Collected:	07/10/2012	Findings:	510. UG/L
Chemical:	ZINC		
Sample Collected:	07/10/2012	Findings:	250. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/10/2012	Findings:	0.15
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	07/10/2012	Findings:	20. NTU
Chemical:	TURBIDITY, LABORATORY		

A2
East **CA WELLS** **23533**
1/2 - 1 Mile
Higher

Water System Information:

Prime Station Code:	L54/513-AMSPRNG	User ID:	CYA
FRDS Number:	5410513001	County:	Tulare
District Number:	12	Station Type:	SPRING/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Treated
Source Lat/Long:	362915.0 1184932.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	ASH MOUNTAIN - SPRING - TREATED		
System Number:	5410513		
System Name:	SEQUOIA NATIONAL PARK-ASH MOUNTAIN		
Organization That Operates System:			
	Not Reported		
	THREE RIVERS, CA 93271		
Pop Served:	2900	Connections:	90
Area Served:	COMM ASH MOUNTAIN DISTRICT		
Sample Collected:	06/18/2013	Findings:	220. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	06/18/2013	Findings:	0.7
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	06/18/2013	Findings:	0.81 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	11/01/2010	Findings:	0.645 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	11/01/2010	Findings:	0.241 PCI/L
Chemical:	RADIUM 226 COUNTING ERROR		

Sample Collected:	11/01/2010	Findings:	0.451 PCI/L
Chemical:	RADIUM 228 COUNTING ERROR		
Sample Collected:	11/01/2010	Findings:	0.209 PCI/L
Chemical:	URANIUM COUNTING ERROR		
Sample Collected:	07/11/2011	Findings:	210. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	07/11/2011	Findings:	6.4
Chemical:	PH, LABORATORY		
Sample Collected:	07/11/2011	Findings:	140. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	07/11/2011	Findings:	160. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/11/2011	Findings:	130. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	07/11/2011	Findings:	42. MG/L
Chemical:	CALCIUM		
Sample Collected:	07/11/2011	Findings:	5.2 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/11/2011	Findings:	7.9 MG/L
Chemical:	SODIUM		
Sample Collected:	07/11/2011	Findings:	1.7 MG/L
Chemical:	POTASSIUM		
Sample Collected:	07/11/2011	Findings:	2. MG/L
Chemical:	CHLORIDE		
Sample Collected:	07/11/2011	Findings:	0.14 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		
Sample Collected:	07/11/2011	Findings:	190. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/11/2011	Findings:	0.18 NTU
Chemical:	TURBIDITY, LABORATORY		
Sample Collected:	07/10/2012	Findings:	150. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	07/10/2012	Findings:	190. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	07/10/2012	Findings:	170. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	07/10/2012	Findings:	56. MG/L
Chemical:	CALCIUM		
Sample Collected:	07/10/2012	Findings:	6.1 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	07/10/2012	Findings:	10. MG/L
Chemical:	SODIUM		
Sample Collected:	07/10/2012	Findings:	1.6 MG/L
Chemical:	POTASSIUM		

Sample Collected:	07/10/2012	Findings:	230. MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	07/10/2012	Findings:	0.18
Chemical:	LANGELIER INDEX AT SOURCE TEMP.		
Sample Collected:	06/18/2013	Findings:	5. UNITS
Chemical:	COLOR		
Sample Collected:	06/18/2013	Findings:	320. US
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	06/18/2013	Findings:	8.2
Chemical:	PH, LABORATORY		
Sample Collected:	06/18/2013	Findings:	160. MG/L
Chemical:	ALKALINITY (TOTAL) AS CACO3		
Sample Collected:	06/18/2013	Findings:	200. MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	06/18/2013	Findings:	160. MG/L
Chemical:	HARDNESS (TOTAL) AS CACO3		
Sample Collected:	06/18/2013	Findings:	55. MG/L
Chemical:	CALCIUM		
Sample Collected:	06/18/2013	Findings:	6.2 MG/L
Chemical:	MAGNESIUM		
Sample Collected:	06/18/2013	Findings:	11. MG/L
Chemical:	SODIUM		
Sample Collected:	06/18/2013	Findings:	1.6 MG/L
Chemical:	POTASSIUM		
Sample Collected:	06/18/2013	Findings:	2.6 MG/L
Chemical:	CHLORIDE		
Sample Collected:	06/18/2013	Findings:	0.16 MG/L
Chemical:	FLUORIDE (F) (NATURAL-SOURCE)		

3
ENE **CA WELLS** **23535**
1/2 - 1 Mile
Higher

Water System Information:

Prime Station Code:	L54/513-ASHRIVR	User ID:	CYA
FRDS Number:	5410513003	County:	Tulare
District Number:	12	Station Type:	RIVER/AMBNT/MUN/INTAKE
Water Type:	Surface Water	Well Status:	Active Raw
Source Lat/Long:	362935.0 1184936.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	ASH MOUNTAIN RIVER - RAW		
System Number:	5410513		
System Name:	SEQUOIA NATIONAL PARK-ASH MOUNTAIN		
Organization That Operates System:			
	Not Reported		
	THREE RIVERS, CA 93271		
Pop Served:	2900	Connections:	90
Area Served:	COMM ASH MOUNTAIN DISTRICT		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
93271	24	16

Federal EPA Radon Zone for TULARE County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 93271

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.650 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	4.300 pCi/L	0%	100%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Health Services
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Ash Mountain Solid Waste Management Unit # 2
Sycamore Drive
Three Rivers, CA 93271

Inquiry Number: 3739597.3
September 25, 2013

EDR Historical Topographic Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

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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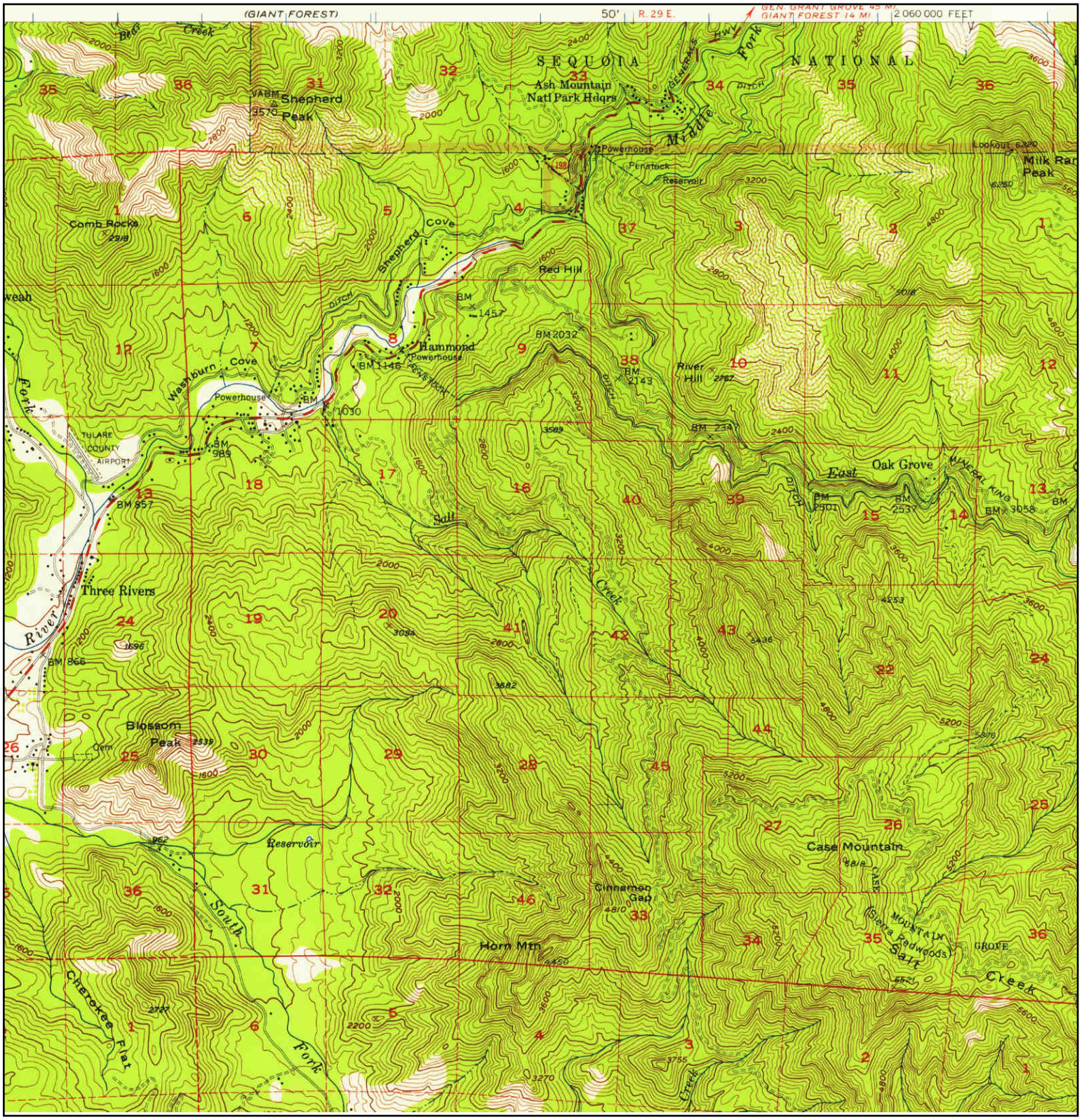
Historical Topographic Map

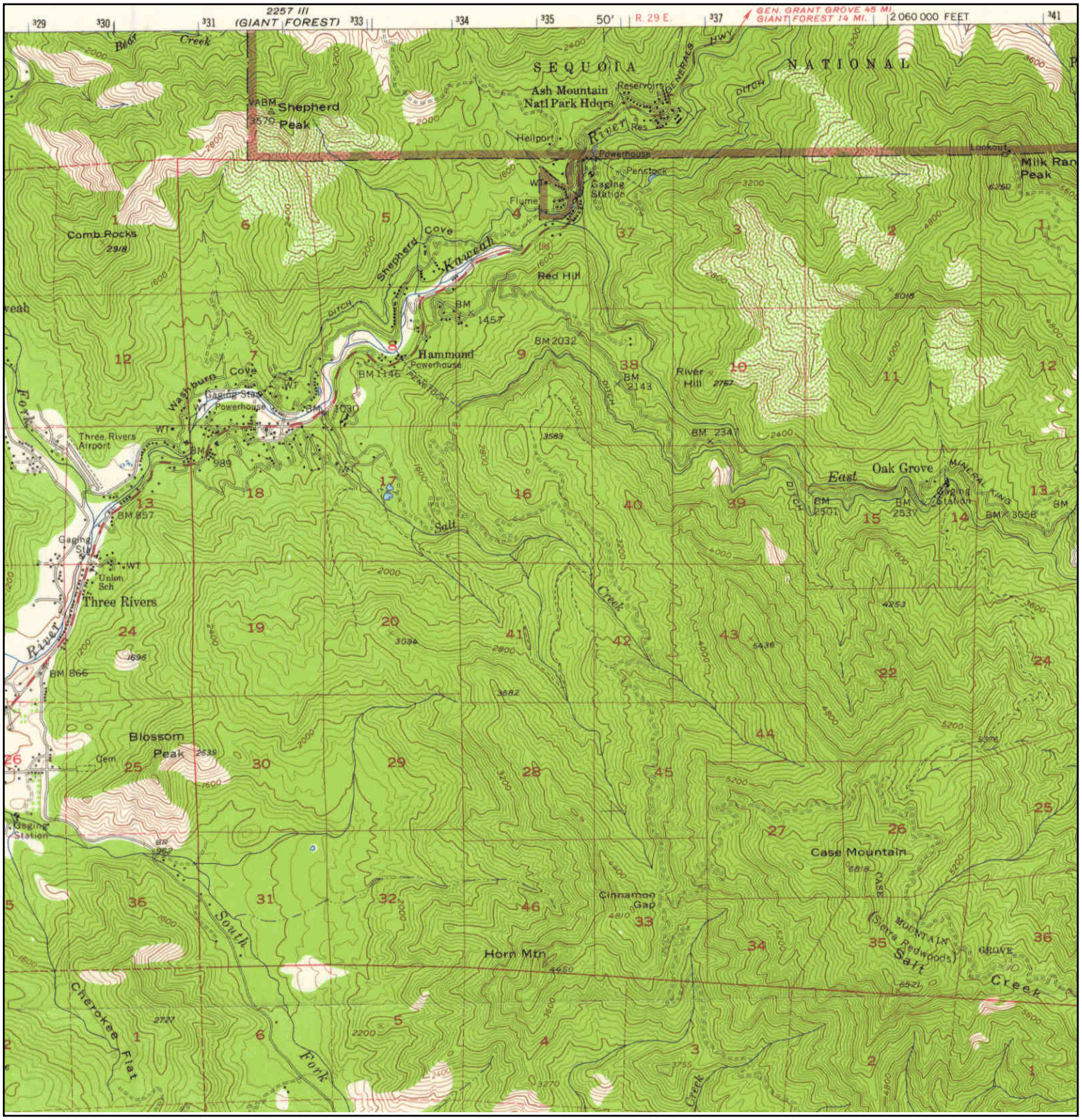
N	TARGET QUAD NAME: KAWEAH MAP YEAR: 1904 SERIES: 30 SCALE: 1:125000	SITE NAME: Ash Mountain Solid Waste Management Unit # 2 ADDRESS: Sycamore Drive Three Rivers, CA 93271 LAT/LONG: 36.487 / -118.8423	CLIENT: Environmental Cost Management, Inc. CONTACT: Holly Trejo INQUIRY#: 3739597.3 RESEARCH DATE: 09/25/2013

Historical Topographic Map



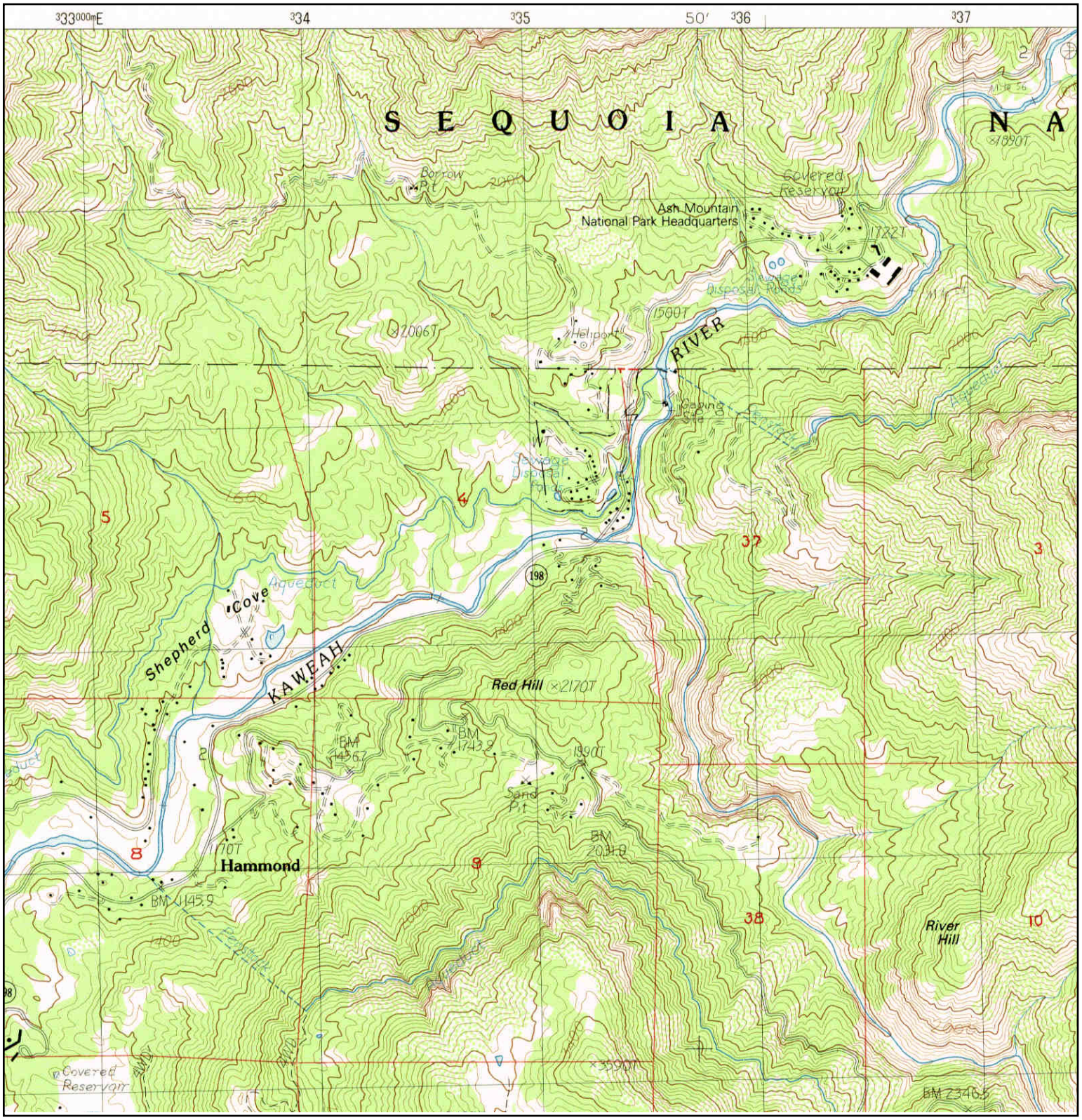
N	TARGET QUAD NAME: KAWEAH MAP YEAR: 1957 SERIES: 15 SCALE: 1:62500	SITE NAME: Ash Mountain Solid Waste Management Unit # 2 ADDRESS: Sycamore Drive Three Rivers, CA 93271 LAT/LONG: 36.487 / -118.8423	CLIENT: Environmental Cost Management, Inc. CONTACT: Holly Trejo INQUIRY#: 3739597.3 RESEARCH DATE: 09/25/2013

Historical Topographic Map



N	TARGET QUAD NAME: KAWEAH MAP YEAR: 1967 REVISED FROM : SERIES: 15 SCALE: 1:62500	SITE NAME: Ash Mountain Solid Waste Management Unit # 2 ADDRESS: Sycamore Drive Three Rivers, CA 93271 LAT/LONG: 36.487 / -118.8423	CLIENT: Environmental Cost Management, Inc. CONTACT: Holly Trejo INQUIRY#: 3739597.3 RESEARCH DATE: 09/25/2013

Historical Topographic Map



N	TARGET QUAD NAME: CASE MOUNTAIN MAP YEAR: 1987 PROVISIONAL SERIES: 7.5 SCALE: 1:24000	SITE NAME: Ash Mountain Solid Waste Management Unit # 2 ADDRESS: Sycamore Drive Three Rivers, CA 93271 LAT/LONG: 36.487 / -118.8423	CLIENT: Environmental Cost Management, Inc. CONTACT: Holly Trejo INQUIRY#: 3739597.3 RESEARCH DATE: 09/25/2013

Historical Topographic Map

N	TARGET QUAD NAME: CASE MOUNTAIN MAP YEAR: 1994 REVISED FROM :1987 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Ash Mountain Solid Waste Management Unit # 2 ADDRESS: Sycamore Drive Three Rivers, CA 93271 LAT/LONG: 36.487 / -118.8423	CLIENT: Environmental Cost Management, Inc. CONTACT: Holly Trejo INQUIRY#: 3739597.3 RESEARCH DATE: 09/25/2013

Grant Grove SWMU #38
EDR Reports

Grant Grove Solid Waste Management Unit # 38
CA Hwy 180
Kings Canyon Nationa, CA 93633

Inquiry Number: 3813345.1s
December 17, 2013

EDR NEPACheck®

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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

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EDR NEPACheck® DESCRIPTION

The National Environmental Policy Act of 1969 (NEPA) requires that Federal agencies include in their decision-making processes appropriate and careful consideration of all environmental effects and actions, analyze potential environmental effects of proposed actions and their alternatives for public understanding and scrutiny, avoid or minimize adverse effects of proposed actions, and restore and enhance environmental quality as much as possible.

The EDR NEPACheck provides information which may be used, in conjunction with additional research, to determine whether a proposed site or action will have significant environmental effect.

The report provides maps and data for the following items (where available). Search results are provided in the Map Findings Summary on page 2 of this report.

Section	Regulation
Natural Areas Map	
• Federal Lands Data:	
- Officially designated wilderness areas	47 CFR 1.1307(1)
- Officially designated wildlife preserves, sanctuaries and refuges	47 CFR 1.1307(2)
- Wild and scenic rivers	40 CFR 6.302(e)
- Fish and Wildlife	40 CFR 6.302
• Threatened or Endangered Species, Fish and Wildlife, Critical Habitat Data (where available)	47 CFR 1.1307(3); 40 CFR 6.302
Historic Sites Map	
• National Register of Historic Places	47 CFR 1.1307(4); 40 CFR 6.302
• State Historic Places (where available)	
• Indian Reservations	
Flood Plain Map	
• National Flood Plain Data (where available)	47 CFR 1.1307(6); 40 CFR 6.302
Wetlands Map	
• National Wetlands Inventory Data (where available)	47 CFR 1.1307(7); 40 CFR 6.302
FCC & FAA Map	
• FCC antenna/tower sites, FAA Markings and Obstructions, Airports, Topographic gradient	47 CFR 1.1307(8)
Key Contacts and Government Records Searched	

MAP FINDINGS SUMMARY

The databases searched in this report are listed below. Database descriptions and other agency contact information is contained in the Key Contacts and Government Records Searched section on page 29 of this report.

TARGET PROPERTY ADDRESS

GRANT GROVE SOLID WASTE MANAGEMENT UNIT # 38
CA HWY 180
KINGS CANYON NATIONA, CA 93633

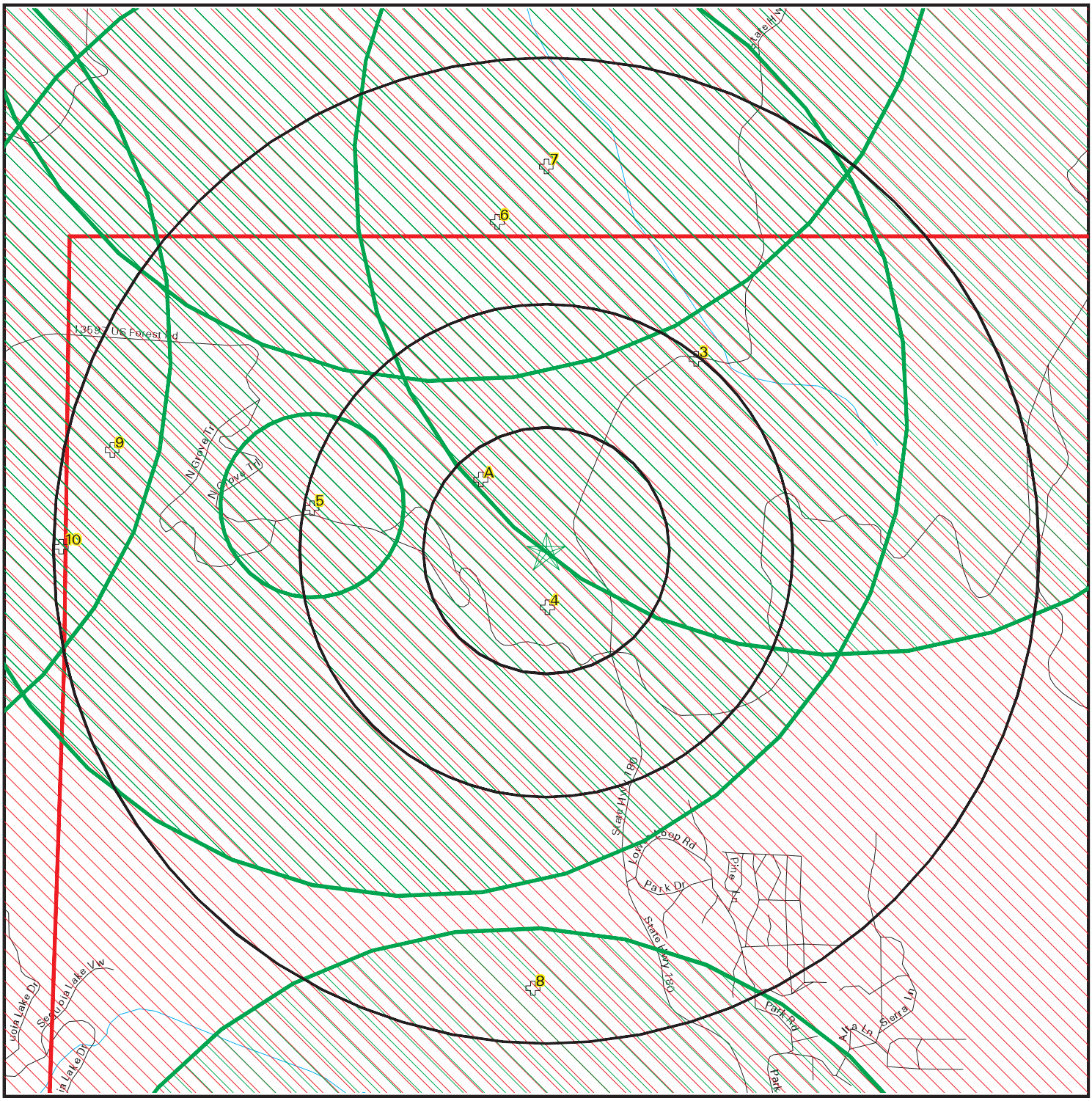
Inquiry #: 3813345.1s
Date: 12/17/13

TARGET PROPERTY COORDINATES

Latitude (North):	36.746399 - 36˚ 44' 47.0''
Longitude (West):	118.967102 - 118˚ 58' 1.6''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	324381.5
UTM Y (Meters):	4068341.8

Applicable Regulation from 47 CFR/FCC Checklist	Database	Search Distance (Miles)	Within Search	Within 1/8 Mile
NATURAL AREAS MAP				
1.1307a (1) Officially Designated Wilderness Area	US Federal Lands	1.00	YES	YES
1.1307a (2) Officially Designated Wildlife Preserve	US Federal Lands	1.00	YES	YES
1.1307a (3) Threatened or Endangered Species or Critical Habitat	CA Natural Diversity Database	1.00	YES	YES
1.1307a (3) Threatened or Endangered Species or Critical Habitat	County Endangered Species	County	YES	N/A
HISTORIC SITES MAP				
1.1307a (4) Listed or eligible for National Register	CA Historic Sites	1.00	NO	NO
1.1307a (4) Listed or eligible for National Register	National Register of Hist. Pla	1.00	YES	NO
	Indian Reservation	1.00	NO	NO
FLOODPLAIN MAP				
1.1307 (6) Located in a Flood Plain	FLOODPLAIN	1.00	NO	NO
WETLANDS MAP				
1.1307 (7) Change in surface features (wetland fill)	NWI	1.00	YES	NO
FCC & FAA SITES MAP				
	Cellular	1.00	NO	NO
	4G Cellular	1.00	NO	NO
	Antenna Structure Registration	1.00	NO	NO
	Towers	1.00	NO	NO
	AM Antenna	1.00	NO	NO
	FM Antenna	1.00	NO	NO
	FAA DOF	1.00	NO	NO
	Airports	1.00	NO	---
	Power Lines	1.00	NO	---

Natural Areas Map



- Target Property
- Roads
- County Boundary
- Waterways
- Water
- Locations
- Federal Areas
- Federal Linear Features
- State Areas
- State Linear Features

SITE NAME:	Grant Grove Solid Waste Management Unit # 38	CLIENT:	Environmental Cost Management, Inc.
ADDRESS:	CA Hwy 180 Kings Canyon Nationa CA 93633	CONTACT:	Holly Trejo
		INQUIRY #:	3813345.1s
LAT/LONG:	36.7464 / 118.9671	DATE:	December 17, 2013

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NATURAL AREAS MAP FINDINGS

Federal Endangered Species Listed for: FRESNO County, CA.

Source: EPA Endangered Species Protection Program Database

BIRD:	PLOVER, MOUNTAIN
BIRD:	EAGLE, BALD
FISH:	TROUT, LITTLE KERN GOLDEN
FISH:	TROUT, PAIUTE CUTTHROAT
INSECT:	BEETLE, VALLEY ELDERBERRY LONGHORN
MAMMAL:	KANGAROO RAT, FRESNO
MAMMAL:	FOX, SAN JOAQUIN KIT
MAMMAL:	KANGAROO RAT, GIANT
PLANT:	ADOBE SUNBURST, SAN JOAQUIN
PLANT:	PUSSYPAWS, MARIPOSA
PLANT:	OWL'S-CLOVER, FLESHY
PLANT:	GOLDEN SUNBURST, HARTWEG'S
PLANT:	JEWELFLOWER, CALIFORNIA
PLANT:	DUDLEYA, SANTA CLARA VALLEY
PLANT:	BIRD'S-BEAK, PALMATE-BRACTED
PLANT:	CHECKER-MALLOW, KECK'S
PLANT:	WOOLLY-THREADS, SAN JOAQUIN
PLANT:	WOOLLY-STAR, HOOVER'S
REPTILE:	LIZARD, BLUNT-NOSED LEOPARD
REPTILE:	SNAKE, GIANT GARTER

Federal Endangered Species Listed for: TULARE County, CA.

Source: EPA Endangered Species Protection Program Database

BIRD:	PLOVER, MOUNTAIN
BIRD:	CONDOR, CALIFORNIA
BIRD:	EAGLE, BALD
FISH:	TROUT, LITTLE KERN GOLDEN
MAMMAL:	KANGAROO RAT, GIANT
MAMMAL:	FOX, SAN JOAQUIN KIT
MAMMAL:	KANGAROO RAT, TIPTON
PLANT:	WOOLLY-THREADS, SAN JOAQUIN
PLANT:	CHECKER-MALLOW, KECK'S
PLANT:	SPURGE, HOOVER'S
PLANT:	CLARKIA, SPRINGVILLE
PLANT:	JEWELFLOWER, CALIFORNIA
REPTILE:	LIZARD, BLUNT-NOSED LEOPARD

Map ID **Direction** **Distance** **Distance (ft.)**			**EDR ID** **Database**
A1 North 0-1/8 mi 0			CAS0010169 CA Natural Diversity Database
	Eondx:	26536	
	Fcode:	00042	
	Elmcode:	ABNKC12060	
	Occnumber:	264	
	Sitedate:	1980XXXX	
	Elmdate:	1980XXXX	
	Presence:	Presumed Extant	

Trend:	Unknown
Occrank:	Unknown
Mapdetail:	N
Moreinfo:	N
Sensitive:	N
Maininfo:	CDFG RAPTOR NEST FILES 1984 (PERS)
Occtype:	Natural/Native occurrence
Directions:	GRANT GROVE, SEQUOIA/KINGS CANYON NATIONAL PARK.
Ownermgt:	NPS-SEQUOIA/KINGS CYN NP
Thrtcom:	Not Reported
Ecocom:	Not Reported
Distcom:	Not Reported
Gencom:	EYRIE NO. FR008. ACTIVE NEST WITH AT LEAST ONE YOUNG IN 1980. (WARNER)
Edr id:	CAS0010169
Elmmcode:	ABNKC12060
Sname:	ACCIPITER GENTILIS
Cname:	NORTHERN GOSHAWK
Grank:	G4
Srank:	S3
Fedlist:	None
Callist:	None
Cdfg:	SC
Cnpslist:	Not Reported
Redcode:	Not Reported
Genhab:	(NESTING) WITHIN AND IN VICINITY OF CONIFEROUS FOREST. USES OLD NESTS, AND MAINTAINS ALTERNATE SITES.
Microhab:	USUALLY NESTS ON NORTH SLOPES, NEAR WATER. RED FIR, LODGEPOLE PINE, JEFFREY PINE, AND ASPENS ARE TYPICAL NEST TREES.

A2
North
0-1/8 mi
0

CAS0010170
CA Natural Diversity Database

Eondx:	23694
Fcode:	00042
Elmcode:	AMAJF01021
Occnumber:	31
Sitedate:	19830626
Elmdate:	19830526
Presence:	Presumed Extant
Trend:	Increasing
Occrank:	Unknown
Mapdetail:	N
Moreinfo:	N
Sensitive:	N
Maininfo:	DEPT. OF FISH & GAME 1987 (OBS)
Occtype:	Natural/Native occurrence
Directions:	GENERAL GRANT GROVE, KINGS CANYON NATIONAL PARK, 4 MI SW OF HUME.
Ownermgt:	NPS-SEQUOIA/KINGS CYN NP
Thrtcom:	Not Reported
Ecocom:	Not Reported
Distcom:	AT LEAST 4 OBS AT THIS LOCALITY: ONE IN 1950, ONE IN 1976, ONE IN 1983, & ONE DATE UNKNOWN.

Gencom:	Not Reported
Edr id:	CAS0010170
Elmmcode:	AMAJF01021
Sname:	MARTES PENNANTI PACIFICA
Cname:	PACIFIC FISHER
Grank:	G3G4
Srank:	S2S3
Fedlist:	None
Callist:	None
Cdfg:	SC
Cnpslist:	Not Reported
Redcode:	Not Reported
Genhab:	INTERMEDIATE TO LARGE-TREE STAGES OF CONIFEROUS FORESTS & DECIDUOUS-RIPARIAN AREAS W/ HIGH PERCENT CANOPY CLOSURE.
Microhab:	USE CAVITIES, SNAGS, LOGS & ROCKY AREAS FOR COVER & DENNING. NEED LARGE AREAS OF MATURE, DENSE FOREST.

3
North
0-1/8 mi
0

CAS0016973
CA Natural Diversity Database

Eondx:	23335
Fcode:	00086
Elmcode:	AMAJF03012
Occnumber:	30
Sitedate:	196509XX
Elmdate:	196509XX
Presence:	Presumed Extant
Trend:	Unknown
Occrank:	Unknown
Mapdetail:	N
Moreinfo:	N
Sensitive:	N
Maininfo:	SCHEMPF, P. & M. WHITE 1978 (LIT)
Occtype:	Natural/Native occurrence
Directions:	N BOUNDARY OF GRANT GROVE, E OF HWY 180; ALSO 2 MI S.
Ownermgt:	NPS-SEQUOIA/KINGS CYN NP
Thrtcom:	Not Reported
Ecocom:	Not Reported
Distcom:	Not Reported
Gencom:	ONE OBSERVATION IN 1965; TRACKS OBSERVED IN 1949.
Edr id:	CAS0016973
Elmmcode:	AMAJF03012
Sname:	GULO GULO LUTEUS
Cname:	CALIFORNIA WOLVERINE
Grank:	G4T2
Srank:	S2
Fedlist:	None
Callist:	Threatened
Cdfg:	Not Reported
Cnpslist:	Not Reported
Redcode:	Not Reported
Genhab:	FOUND IN THE NORTH COAST MOUNTAINS AND THE SIERRA NEVADA. FOUND IN A

	WIDE VARIETY OF HIGH ELEVATION HABITATS.
Microhab:	NEEDS WATER SOURCE. USES CAVES, LOGS, BURROWS FOR COVER & DEN AREA. HUNTS IN MORE OPEN AREAS. CAN TRAVEL LONG DISTANCES

4
North
0-1/8 mi
0

CUSA137308
US Federal Lands

Fedlanp020:	39277
Feature1:	National Park NPS
Feature2:	Not Reported
Feature3:	Not Reported
Agbur:	NPS
Url:	http://www.nps.gov/seki
Name1:	Kings Canyon National Park
Name2:	Not Reported
Name3:	Not Reported
State:	CA
State fips:	06
Latn:	36.691258
Longn:	-118.916812
Isdod:	N
Merc x:	-34727572.7743126
Merc y:	11465790.1688957
Envid:	CUSA137308
Air:	Y
Edr id:	CUSA137308

5
West
1/4-1/2 mi
1572

CAS0024894
CA Natural Diversity Database

Eondx:	28686
Fcode:	00040
Elmcode:	CTT84250CA
Occnumber:	10
Sitedate:	19830606
Elmdate:	19830606
Presence:	Presumed Extant
Trend:	Unknown
Occrank:	Unknown
Mapdetail:	Y
Moreinfo:	Y
Sensitive:	N
Maininfo:	NATL PARK SERVICE 1983 (MAP)
Occtype:	Natural/Native occurrence
Directions:	GRANT GROVE, KINGS CANYON NATIONAL PARK AND SEQUOIA NATIONAL FOREST.
Ownermgt:	NPS-SEQUOIA/KINGS CYN NP, USFS
Thrtcom:	MUCH VISITOR USE. HWY. PAVED TRAILS.
Ecocom:	UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP.INFO.
Distcom:	APPROX 190 TREES >10 FT DBH. 1110 TREES TOTAL, 1976. BOUNDARY FROM

CNACC, NPS.

Gencom:	NPS SINCE 1890.
Edr id:	CAS0024894
Elmmcode:	CTT84250CA
Sname:	BIG TREE FOREST
Cname:	BIG TREE FOREST
Grank:	G3
Srank:	S3.2
Fedlist:	None
Callist:	None
Cdfg:	Not Reported
Cnpslist:	Not Reported
Redcode:	Not Reported
Genhab:	Not Reported
Microhab:	Not Reported

6
North
1/4-1/2 mi
1891

CAS0024895
CA Natural Diversity Database

Eondx:	28691
Fcode:	00052
Elmcode:	CTT84250CA
Occnumber:	2
Sitedate:	197803XX
Elmdate:	197803XX
Presence:	Presumed Extant
Trend:	Unknown
Occrank:	Unknown
Mapdetail:	N
Moreinfo:	N
Sensitive:	N
Maininfo:	HARTESVELDT, R. ET AL 1975 (LIT)
Occtype:	Natural/Native occurrence
Directions:	ABBOTT CREEK GROVE, SEQUOIA NATL FOREST, ALONG & S OF ABBOTTCR.
Ownermgt:	USFS-SEQUOIA NF
Thrtcom:	Not Reported
Ecocom:	Not Reported
Distcom:	6150-6400 FT ELEV.
Gencom:	USFS. THIS WAS OCC #002 OF CTT84250CA
Edr id:	CAS0024895
Elmmcode:	CTT84250CA
Sname:	BIG TREE FOREST
Cname:	BIG TREE FOREST
Grank:	G3
Srank:	S3.2
Fedlist:	None
Callist:	None
Cdfg:	Not Reported
Cnpslist:	Not Reported
Redcode:	Not Reported
Genhab:	Not Reported
Microhab:	Not Reported

7
North
1/2-1 mi
3366

CUSA137202
US Federal Lands

Fedlanp020:	39171
Feature1:	National Forest FS
Feature2:	National Monument FS
Feature3:	Not Reported
Agbur:	FS
Url:	http://www.r5.fs.fed.us/sequoia/
Name1:	Sequoia National Monument
Name2:	Sequoia National Forest
Name3:	Not Reported
State:	CA
State fips:	06
Latn:	36.760244
Longn:	-118.926685
Isdod:	N
Merc x:	-34730457.8021885
Merc y:	11490829.9691061
Envid:	CUSA137202
Air:	Y
Edr id:	CUSA137202

8
South
1/2-1 mi
4047

CAS0016966
CA Natural Diversity Database

Eondx:	23605
Fcode:	00053
Elmcode:	AMAJF01021
Occnumber:	125
Sitedate:	19870222
Elmdate:	19870222
Presence:	Presumed Extant
Trend:	Unknown
Occrank:	Unknown
Mapdetail:	N
Moreinfo:	N
Sensitive:	N
Maininfo:	DEPT. OF FISH & GAME 1987 (OBS)
Occtype:	Natural/Native occurrence
Directions:	BIG STUMP GROVE, 1 MI SE OF WILSONIA, KINGS CANYON NATL PARK
Ownermgt:	NPS-SEQUOIA/KINGS CYN NP, USFS
Thrtcom:	Not Reported
Ecocom:	MIXED CONIFEROUS FOREST, REDWOOD FOREST, AND OAK WOODLAND HABITATS.
Distcom:	Not Reported
Gencom:	OBSERVATIONS IN 1943, 1983-84, & 1986-87.
Edr id:	CAS0016966
Elmmcode:	AMAJF01021
Sname:	MARTES PENNANTI PACIFICA
Cname:	PACIFIC FISHER
Grank:	G3G4

Srank:	S2S3
Fedlist:	None
Callist:	None
Cdfg:	SC
Cnpslist:	Not Reported
Redcode:	Not Reported
Genhab:	INTERMEDIATE TO LARGE-TREE STAGES OF CONIFEROUS FORESTS & DECIDUOUS-RIPARIAN AREAS W/ HIGH PERCENT CANOPY CLOSURE.
Microhab:	USE CAVITIES, SNAGS, LOGS & ROCKY AREAS FOR COVER & DENNING. NEED LARGE AREAS OF MATURE, DENSE FOREST.

9
WNW
1/2-1 mi
4279

CAS0016954
CA Natural Diversity Database

Eondx:	23690
Fcode:	00004
Elmcode:	AMAJF01021
Occnumber:	35
Sitedate:	19420718
Elmdate:	19420718
Presence:	Presumed Extant
Trend:	Unknown
Occrank:	Unknown
Mapdetail:	N
Moreinfo:	N
Sensitive:	N
Maininfo:	DEPT. OF FISH & GAME 1987 (OBS)
Occtype:	Natural/Native occurrence
Directions:	2 MI NW OF WILSONIA, IN VICINITY OF MACKENZIE RIDGE, SEQUOIANATIONAL FOREST.
Ownermgt:	USFS-SEQUOIA NF
Thrtcom:	Not Reported
Ecocom:	MIXED CONIFEROUS FOREST.
Distcom:	Not Reported
Gencom:	TRACKS OBS.
Edr id:	CAS0016954
Elmmcode:	AMAJF01021
Sname:	MARTES PENNANTI PACIFICA
Cname:	PACIFIC FISHER
Grank:	G3G4
Srank:	S2S3
Fedlist:	None
Callist:	None
Cdfg:	SC
Cnpslist:	Not Reported
Redcode:	Not Reported
Genhab:	INTERMEDIATE TO LARGE-TREE STAGES OF CONIFEROUS FORESTS & DECIDUOUS-RIPARIAN AREAS W/ HIGH PERCENT CANOPY CLOSURE.
Microhab:	USE CAVITIES, SNAGS, LOGS & ROCKY AREAS FOR COVER & DENNING. NEED LARGE AREAS OF MATURE, DENSE FOREST.

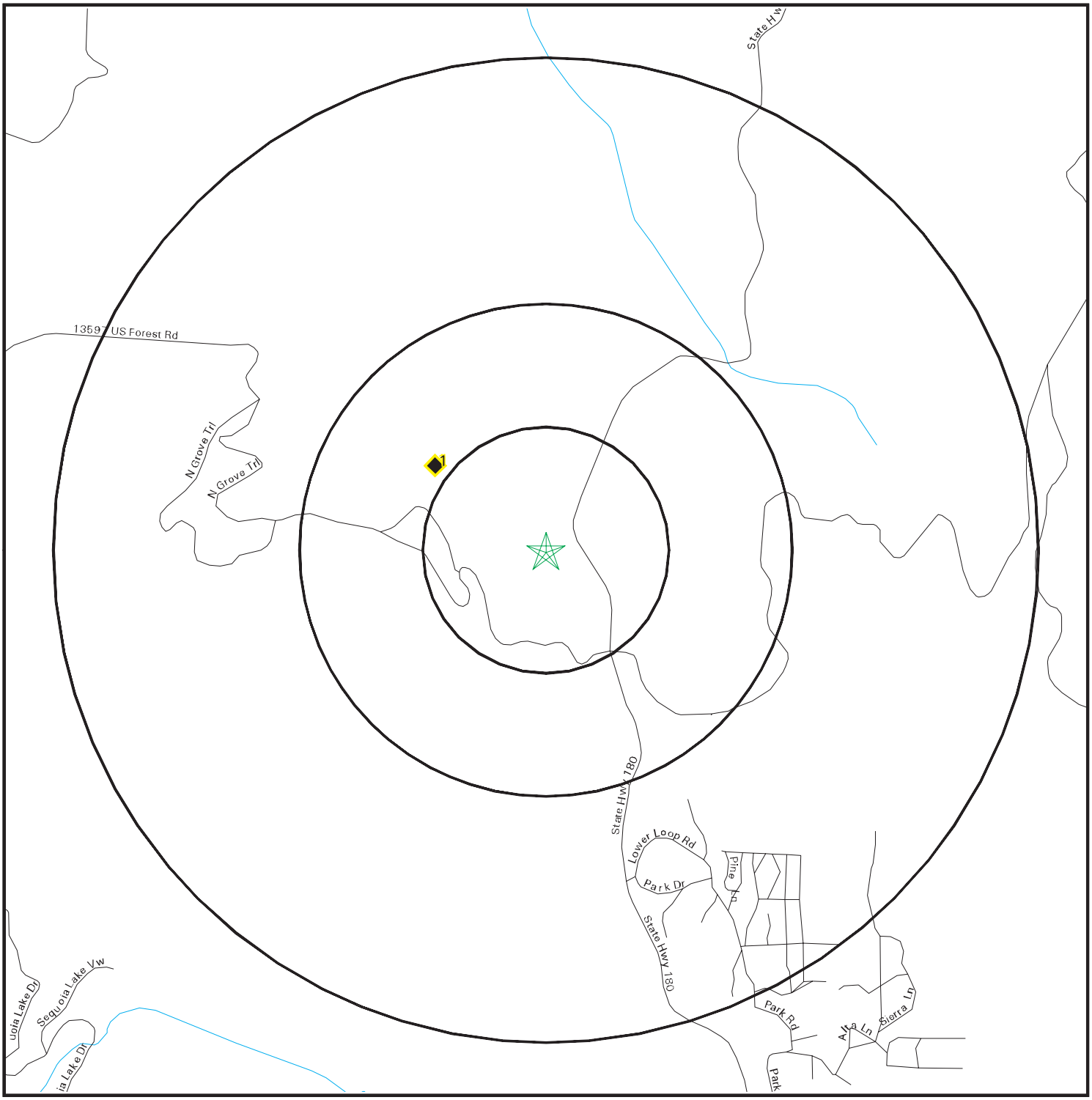
10
West
1/2-1 mi
5149

CUSA137202
US Federal Lands

NATURAL AREAS MAP FINDINGS

Fedlanp020:	39171
Feature1:	National Forest FS
Feature2:	National Monument FS
Feature3:	Not Reported
Agbur:	FS
Url:	http://www.r5.fs.fed.us/sequoia/
Name1:	Sequoia National Monument
Name2:	Sequoia National Forest
Name3:	Not Reported
State:	CA
State fips:	06
Latn:	36.760244
Longn:	-118.926685
Isdod:	N
Merc x:	-34730457.8021885
Merc y:	11490829.9691061
Envid:	CUSA137202
Air:	Y
Edr id:	CUSA137202

Historic Sites Map



- Target Property
- Streets
- County Boundary
- Waterways
- Water
- Historic Sites
- Federal Historic Areas
- State Historic Areas
- US Indian Reservations
- Scenic Trail

SITE NAME:	Grant Grove Solid Waste Management Unit # 38	CLIENT:	Environmental Cost Management, Inc.
ADDRESS:	CA Hwy 180 Kings Canyon Nationa CA 93633	CONTACT:	Holly Trejo
		INQUIRY #:	3813345.1s
LAT/LONG:	36.7464 / 118.9671	DATE:	December 17, 2013

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HISTORIC SITES MAP FINDINGS

Map ID Direction Distance Distance (ft.)		EDR ID Database
1 NW 1/4-1/2 mi 1491		77000123 National Register of Hist. Places

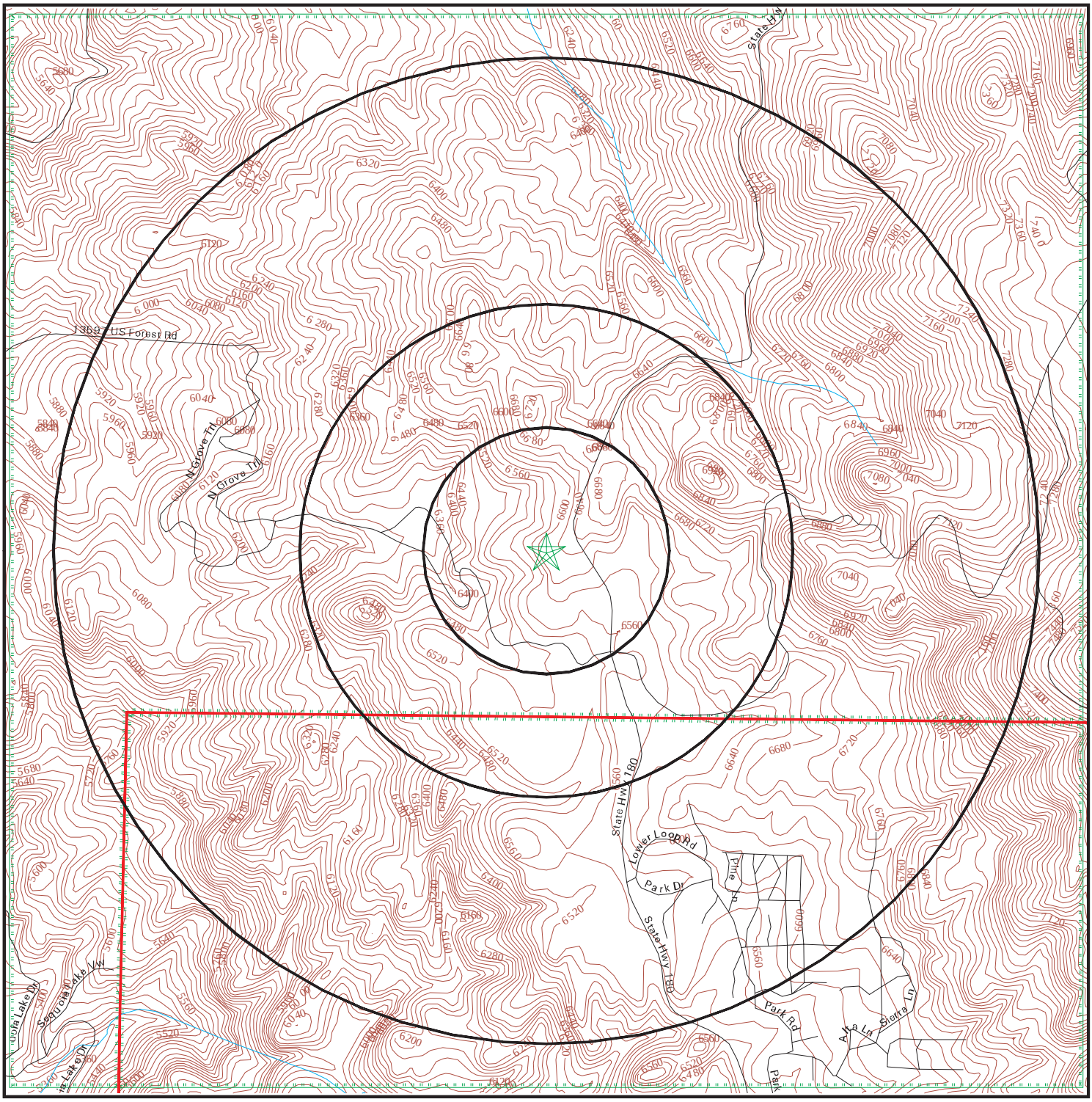
Resname:	Gamlin Cabin
Address:	NW of Wilsonia
City:	Wilsonia
Vicinity:	X
County:	Fresno
State:	CALIFORNIA
Certdate:	19770308
Multname:	Not Reported
Federal agency:	NATIONAL PARK SERVICE
Resource name:	Gamlin Cabin
Address:	NW of Wilsonia
State:	CALIFORNIA
County:	Fresno
City:	Wilsonia
Listed date:	1.9770308E+007
Multiple name:	Not Reported
Acre:	0.2+

UNMAPPABLE HISTORIC SITES

Due to poor or inadequate address information, the following sites were not mapped:	Status EDR ID Database

No unmapped sites were found in EDR's search of available government records.

Flood Plain Map



Major Roads
Contour Lines
Waterways
County Boundary
Power Lines
Pipe Lines
Fault Lines
Water
100-year flood zone
500-year flood zone
Electronic FEMA data available
Electronic FEMA data not available

SITE NAME:	Grant Grove Solid Waste Management Unit # 38	CLIENT:	Environmental Cost Management, Inc.
ADDRESS:	CA Hwy 180 Kings Canyon Nationa CA 93633	CONTACT:	Holly Trejo
		INQUIRY #:	3813345.1s
LAT/LONG:	36.7464 / 118.9671	DATE:	December 17, 2013

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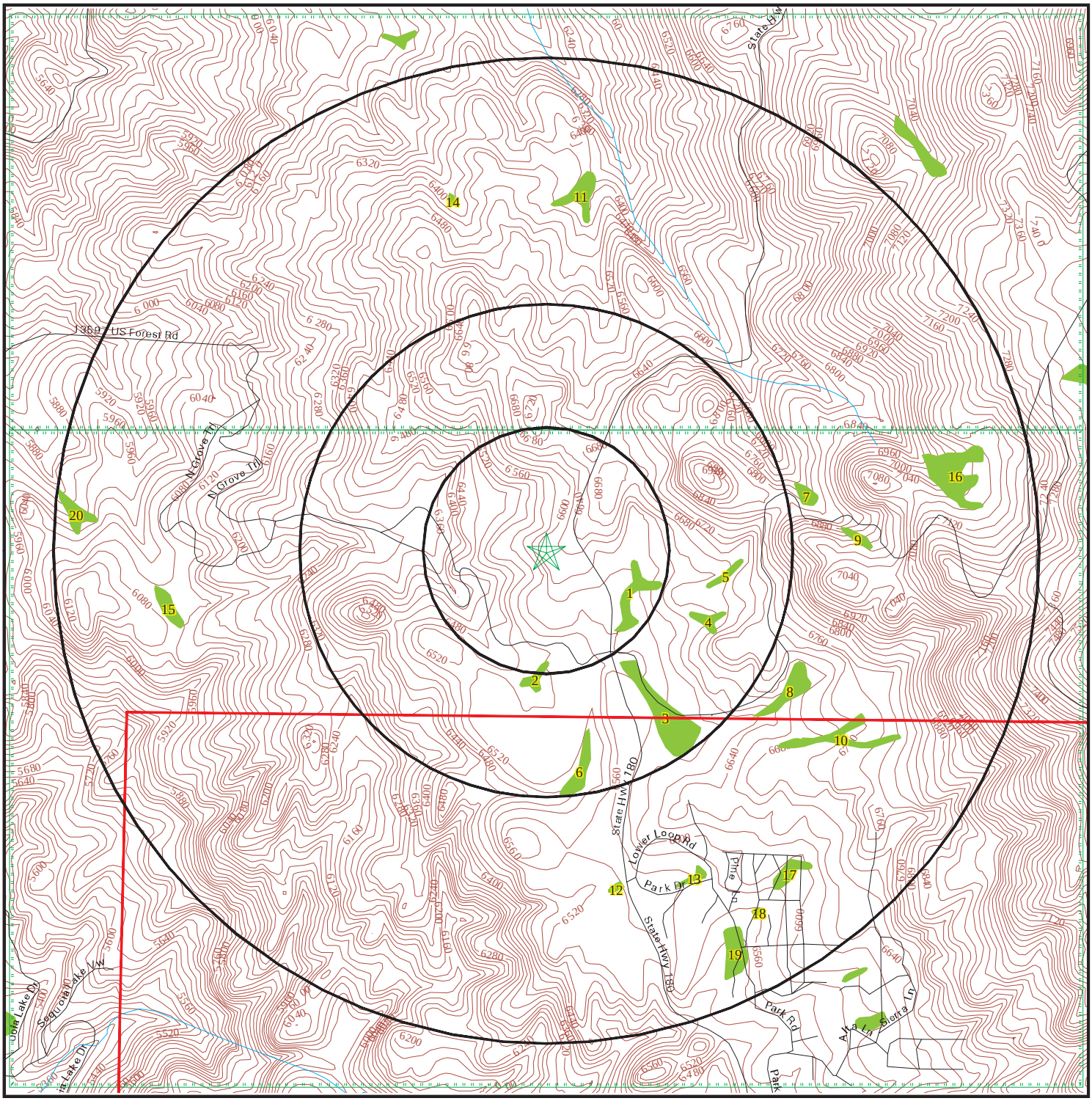
FLOOD PLAIN MAP FINDINGS

Source: FEMA DFIRM Flood Data, FEMA Q3 Flood Data

County	FEMA flood data electronic coverage
FRESNO, CA	YES
TULARE, CA	YES

Flood Plain panel at target property: 06019C (FEMA DFIRM Flood data)
Additional Flood Plain panel(s) in search area:
06107C (FEMA DFIRM Flood data)

National Wetlands Inventory Map



0 1/4 1/2 1 Miles

- Major Roads
- Contour Lines
- Waterways
- County Boundary
- Power Lines
- Pipe Lines
- Fault Lines
- Water
- National Wetlands Inventory
- Electronic NWI data available
- Electronic NWI data not available

SITE NAME:	Grant Grove Solid Waste Management Unit # 38	CLIENT:	Environmental Cost Management, Inc.
ADDRESS:	CA Hwy 180 Kings Canyon Nationa CA 93633	CONTACT:	Holly Trejo
		INQUIRY #:	3813345.1s
LAT/LONG:	36.7464 / 118.9671	DATE:	December 17, 2013

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WETLANDS MAP FINDINGS

Source: Fish and Wildlife Service NWI data

NWI hardcopy map at target property: General Grant Grove
Additional NWI hardcopy map(s) in search area:
Hume

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
1 East 1/8-1/4 mi 917	PEMB [P] Palustrine, [EM] Emergent, [B] Saturated Lat/Lon: 36.746033 / -118.964012	NWI
2 South 1/8-1/4 mi 1181	PEMB [P] Palustrine, [EM] Emergent, [B] Saturated Lat/Lon: 36.743160 / -118.967094	NWI
3 SSE 1/4-1/2 mi 1434	PEMB [P] Palustrine, [EM] Emergent, [B] Saturated Lat/Lon: 36.743111 / -118.964424	NWI
4 ESE 1/4-1/2 mi 1672	PEMB [P] Palustrine, [EM] Emergent, [B] Saturated Lat/Lon: 36.744572 / -118.961876	NWI
5 ESE 1/4-1/2 mi 1753	PEMB [P] Palustrine, [EM] Emergent, [B] Saturated Lat/Lon: 36.745342 / -118.961266	NWI
6 SSE 1/4-1/2 mi 1958	PEMB [P] Palustrine, [EM] Emergent, [B] Saturated Lat/Lon: 36.741173 / -118.965538	NWI
7 ENE 1/2-1 mi 2746	PEMB [P] Palustrine, [EM] Emergent, [B] Saturated Lat/Lon: 36.748356 / -118.958046	NWI
8 SE 1/2-1 mi 2832	PEMB [P] Palustrine, [EM] Emergent, [B] Saturated Lat/Lon: 36.741512 / -118.959579	NWI

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
9 East 1/2-1 mi 3163	PEMB [P] Palustrine, [EM] Emergent, [B] Saturated Lat/Lon: 36.747051 / -118.956337	NWI
10 SE 1/2-1 mi 3239	PEMB [P] Palustrine, [EM] Emergent, [B] Saturated Lat/Lon: 36.740704 / -118.958603	NWI
11 North 1/2-1 mi 3532	PEMB [P] Palustrine, [EM] Emergent, [B] Saturated Lat/Lon: 36.756031 / -118.965614	NWI
12 SSE 1/2-1 mi 3624	PEMB [P] Palustrine, [EM] Emergent, [B] Saturated Lat/Lon: 36.736691 / -118.964394	NWI
13 SSE 1/2-1 mi 3736	PEMB [P] Palustrine, [EM] Emergent, [B] Saturated Lat/Lon: 36.737156 / -118.961563	NWI
14 NNW 1/2-1 mi 3809	PEMB [P] Palustrine, [EM] Emergent, [B] Saturated Lat/Lon: 36.756519 / -118.970413	NWI
15 West 1/2-1 mi 3951	PEMB [P] Palustrine, [EM] Emergent, [B] Saturated Lat/Lon: 36.744308 / -118.980339	NWI
16 ENE 1/2-1 mi 4150	PEMB [P] Palustrine, [EM] Emergent, [B] Saturated Lat/Lon: 36.749222 / -118.953384	NWI
17 SE 1/2-1 mi 4208	PEMB [P] Palustrine, [EM] Emergent, [B] Saturated Lat/Lon: 36.737324 / -118.958214	NWI

*See Wetland Classification System for additional information.

WETLANDS MAP FINDINGS

Map ID Direction Distance Distance (ft.)	Code and Description*	Database
18 SSE 1/2-1 mi 4435	PEMB [P] Palustrine, [EM] Emergent, [B] Saturated Lat/Lon: 36.735886 / -118.959465	NWI
19 SSE 1/2-1 mi 4485	PFOB [P] Palustrine, [FO] Forested, [B] Saturated Lat/Lon: 36.735287 / -118.960503	NWI
20 West 1/2-1 mi 4802	PSSB [P] Palustrine, [SS] Scrub-Shrub, [B] Saturated Lat/Lon: 36.747284 / -118.983467	NWI

*See Wetland Classification System for additional information.

WETLANDS CLASSIFICATION SYSTEM

National Wetland Inventory Maps are produced by the U.S. Fish and Wildlife Service, a sub-department of the U.S. Department of the Interior. In 1974, the U.S. Fish and Wildlife Service developed a criteria for wetland classification with four long range objectives:

- to describe ecological units that have certain homogeneous natural attributes,
- to arrange these units in a system that will aid decisions about resource management,
- to furnish units for inventory and mapping, and
- to provide uniformity in concepts and terminology throughout the U.S.

High altitude infrared photographs, soil maps, topographic maps and site visits are the methods used to gather data for the productions of these maps. In the infrared photos, wetlands appear as different colors and these wetlands are then classified by type. Using a hierarchical classification, the maps identify wetland and deepwater habitats according to:

- system
- subsystem
- class
- subclass
- modifiers

(as defined by Cowardin, et al. U.S. Fish and Wildlife Service FWS/OBS 79/31. 1979.)

The classification system consists of five systems:

1. marine
2. estuarine
3. riverine
4. lacustrine
5. palustrine

The marine system consists of deep water tidal habitats and adjacent tidal wetlands. The riverine system consists of all wetlands contained within a channel. The lacustrine systems includes all nontidal wetlands related to swamps, bogs & marshes. The estuarine system consists of deepwater tidal habitats and where ocean water is diluted by fresh water. The palustrine system includes nontidal wetlands dominated by trees and shrubs and where salinity is below .5% in tidal areas. All of these systems are divided in subsystems and then further divided into class.

National Wetland Inventory Maps are produced by transferring gathered data on a standard 7.5 minute U.S.G.S. topographic map. Approximately 52 square miles are covered on a National Wetland Inventory map at a scale of 1:24,000. Electronic data is compiled by digitizing these National Wetland Inventory Maps.

SYSTEM **MARINE**

SUBSYSTEM **1 - SUBTIDAL** **2 - INTERTIDAL**

	1 - SUBTIDAL					2 - INTERTIDAL			
CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RF-REEF	OW-OPEN WATER / Unknown Bottom	AB-AQUATIC BED	RF-REEF	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 3 Rooted Vascular 5 Unknown Submergent	1 Coral 3 Worm		1 Algal 3 Rooted Vascular 5 Unknown Submergent	1 Coral 3 Worm	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic

SYSTEM **E - ESTUARINE**

SUBSYSTEM **1 - SUBTIDAL**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RF-REEF	OW-OPEN WATER / Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	2 Mollusk 3 Worm	

SUBSYSTEM **2 - INTERTIDAL**

CLASS	AB-AQUATIC BED	RF-REEF	SB - STREAMBED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	EM-EMERGENT	SS-SCRUB SHRUB	FO-FORESTED
Subclass	1 Algal 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	2 Mollusk 3 Worm	1 Cobble- Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble	1 Cobble- Gravel 2 Sand 3 Mud 4 Organic	1 Persistent 2 Nonpersistent	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen

SYSTEM — **R - RIVERINE**

SUBSYSTEM	**1 - TIDAL**	**2 - LOWER PERENNIAL**	**3 - UPPER PERENNIAL**	**4 - INTERMITTENT**	**5 - UNKNOWN PERENNIAL**
CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	*SB-STREAMBED	AB-AQUATIC BED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	**EM-EMERGENT	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Bedrock 2 Rubble 3 Cobble-Gravel 4 Sand 5 Mud 6 Organic 7 Vegetated	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	

* STREAMBED is limited to TIDAL and INTERMITTENT SUBSYSTEMS, and comprises the only CLASS in the INTERMITTENT SUBSYSTEM.
**EMERGENT is limited to TIDAL and LOWER PERENNIAL SUBSYSTEMS.

SYSTEM — **L - LACUSTRINE**

SUBSYSTEM — **1 - LIMNETIC**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	

SUBSYSTEM — **2 - LITTORAL**

CLASS	RB-ROCK BOTTOM	UB-UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	RS-ROCKY SHORE	US-UNCONSOLIDATED SHORE	EM-EMERGENT	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Bedrock 2 Rubble	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	2 Nonpersistent	

SUBSYSTEM **P - PALUSTRINE**

CLASS	RB--ROCK BOTTOM	UB--UNCONSOLIDATED BOTTOM	AB-AQUATIC BED	US--UNCONSOLIDATED SHORE	ML--MOSS-LICHEN	EM--EMERGENT	SS--SCRUB-SHRUB	FO--FORESTED	OW-OPEN WATER/ Unknown Bottom
Subclass	1 Bedrock 2 Rubble 3 Mud 4 Organic	1 Cobble-Gravel 2 Sand	1 Algal 2 Aquatic Moss 3 Rooted Vascular 4 Floating Vascular 5 Unknown Submergent 6 Unknown Surface	1 Cobble-Gravel 2 Sand 3 Mud 4 Organic 5 Vegetated	1 Moss 2 Lichen	1 Persistent 2 Nonpersistent	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6 Deciduous 7 Evergreen	1 Broad-Leaved Deciduous 2 Needle-Leaved Deciduous 3 Broad-Leaved Evergreen 4 Needle-Leaved Evergreen 5 Dead 6Deciduous 7 Evergreen	

MODIFIERS

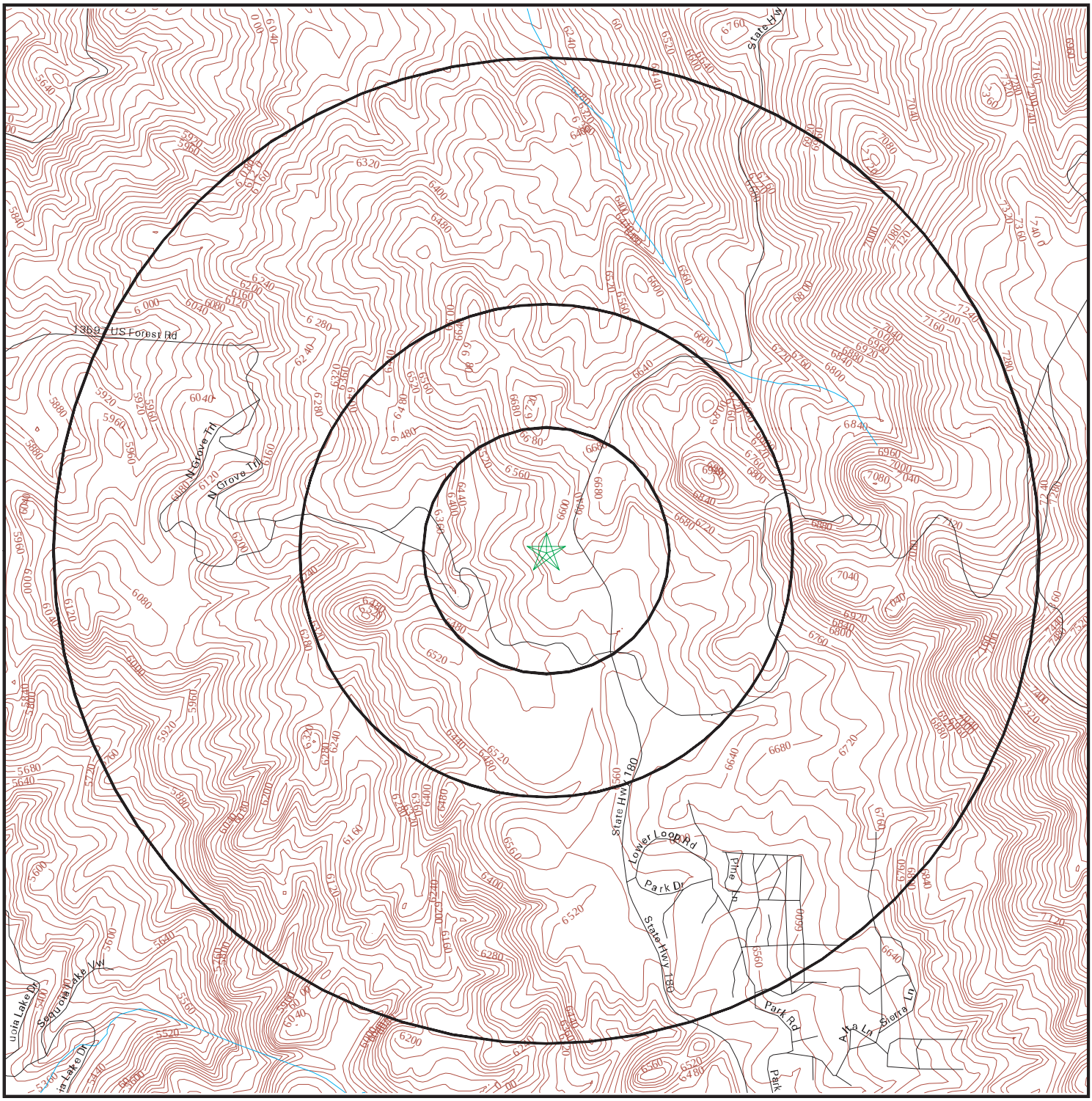
In order to more adequately describe wetland and deepwater habitats one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

WATER REGIME				WATER CHEMISTRY			SOIL	SPECIAL MODIFIERS
Non-Tidal	**Tidal**	**Coastal**	**Halinity**	**Inland**	**Salinity**	**pH**	**Modifiers for all Fresh Water**	
A Temporarily Flooded B Saturated C Seasonally Flooded D Seasonally Flooded/ Well Drained E Seasonally Flooded/ Saturated F Semipermanently Flooded G Intermittently Exposed	H Permanently Flooded J Intermittently Flooded K Artificially Flooded W Intermittently Flooded/Temporary Y Saturated/Semipermanent/ Seasonal Z Intermittently Exposed/Permanent U Unknown	K Artificially Flooded L Subtidal M Irregularly Exposed N Regularly Flooded P Irregularly Flooded	*S Temporary-Tidal *R Seasonal-Tidal *T Semipermanent -Tidal V Permanent -Tidal U Unknown	1 Hyperhaline 2 Euhaline 3 Mixohaline (Brackish) 4 Polyhaline 5 Mesohaline 6 Oligohaline 0 Fresh	7 Hypersaline 8 Eusaline 9 Mixosaline 0 Fresh	a Acid t Circumneutral i Alkaline	g Organic n Mineral	b Beaver d Partially Drained/Ditched f Farmed h Diked/Impounded r Artificial Substrate s Spoil x Excavated

*These water regimes are only used in tidally influenced, freshwater systems.

Source: U.S. Department of the Interior
Fish and Wildlife Service
National Wetlands Inventory

FCC & FAA Sites Map



0 1/4 1/2 1 Miles

Streets
Contour Lines
County Boundary
Waterways
Power Lines
Water
Sites

SITE NAME:	Grant Grove Solid Waste Management Unit # 38	CLIENT:	Environmental Cost Management, Inc.
ADDRESS:	CA Hwy 180 Kings Canyon Nationa CA 93633	CONTACT:	Holly Trejo
		INQUIRY #:	3813345.1s
LAT/LONG:	36.7464 / 118.9671	DATE:	December 17, 2013

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FCC & FAA SITES MAP FINDINGS
TOWERS

Map ID Direction Distance Distance (ft.)	EDR ID Database

No Sites Reported.

FCC & FAA SITES MAP FINDINGS
POWERLINES

EDR ID
Database

No Sites Reported.

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Various Federal laws and executive orders address specific environmental concerns. NEPA requires the responsible offices to integrate to the greatest practical extent the applicable procedures required by these laws and executive orders. EDR provides key contacts at agencies charged with implementing these laws and executive orders to supplement the information contained in this report.

NATURAL AREAS
Officially designated wilderness areas
Government Records Searched in This Report

FED_LAND: Federal Lands
Source: USGS
Telephone: 703-648-5094
Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.
- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

National Park Service, Pacific West Region
600 Harrison Street, Suite 600
San Francisco, CA 94107
415-427-1300

USDA Forest Service, Pacific Southwest
630 Sansome Street
San Francisco, CA 94111
415-705-2557

BLM - California State Office
2800 Cottage Way, Room W-1834
Sacramento, CA 95825-1886
916-978-4400

Fish & Wildlife Service, Region 1
Eastside Federal Complex 911 NE 11th Avenue
Portland, OR 97232-4181
503-231-6188

Officially designated wildlife preserves, sanctuaries and refuges
Government Records Searched in This Report

FED_LAND: Federal Lands
Source: USGS
Telephone: 703-648-5094
Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.
- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 1
Eastside Federal Complex 911 NE 11th Avenue
Portland, OR 97232-4181
503-231-6188

State Contacts for Additional Information

Department of Fish & Game 916-653-7667

Wild and scenic rivers

Government Records Searched in This Report

FED_LAND: Federal Lands
Source: USGS
Telephone: 703-648-5094
Federal data from Bureau of Land Management, National Park Service, Forest Service, and Fish and Wildlife Service.
- National Parks
- Forests
- Monuments
- Wildlife Sanctuaries, Preserves, Refuges
- Federal Wilderness Areas.

Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 1
Eastside Federal Complex 911 NE 11th Avenue
Portland, OR 97232-4181
503-231-6188

Endangered Species

Government Records Searched in This Report

Endangered Species Protection Program Database
A listing of endangered species by county.
Source: Environmental Protection Agency
Telephone: 703-305-5239

CA Endangered Species: Natural Diversity Database
Source: Dept. of Fish and Game.
Telephone: 916-324-3812

Federal Contacts for Additional Information

Fish & Wildlife Service, Region 1
Eastside Federal Complex 911 NE 11th Avenue
Portland, OR 97232-4181
503-231-6188

State Contacts for Additional Information

Natural Heritage Program, Dept. of Fish & Game 916-322-2493

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

LANDMARKS, HISTORICAL, AND ARCHEOLOGICAL SITES
Historic Places

Government Records Searched in This Report

National Register of Historic Places:

The National Register of Historic Places is the official federal list of districts, sites, buildings, structures, and objects significant in American history, architecture, archeology, engineering, and culture. These contribute to an understanding of the historical and cultural foundations of the nation.
The National Register includes:

- All prehistoric and historic units of the National Park System;
- National Historic Landmarks, which are properties recognized by the Secretary of the Interior as possessing national significance; and
- Properties significant in American, state, or local prehistory and history that have been nominated by State Historic Preservation Officers, federal agencies, and others, and have been approved for listing by the National Park Service.

Date of Government Version: 03/23/2006

CA Historic Landmarks: CA Historical Landmarks
Source: Office of Historic Preservation.
Telephone: 916-653-6624

Federal Contacts for Additional Information

Park Service; Advisory Council on Historic Preservation
1849 C Street NW
Washington, DC 20240
Phone: (202) 208-6843

State Contacts for Additional Information

Office of Historic Preservation, Ept. Of Parks & Recreation 916-653-6624

Indian Religious Sites

Government Records Searched in This Report

Indian Reservations:

This map layer portrays Indian administrated lands of the United States that have any area equal to or greater than 640 acres.
Source: USGS
Phone: 888-275-8747
Date of Government Version: 12/31/2005

Federal Contacts for Additional Information

Department of the Interior- Bureau of Indian Affairs
Office of Public Affairs
1849 C Street, NW
Washington, DC 20240-0001
Office: 202-208-3711
Fax: 202-501-1516

National Association of Tribal Historic Preservation Officers
1411 K Street NW, Suite 700
Washington, DC 20005
Phone: 202-628-8476
Fax: 202-628-2241

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

State Contacts for Additional Information
A listing of local Tribal Leaders and Bureau of Indian Affairs Representatives can be found at:
http://www.doi.gov/bia/areas/agency.html

Phoenix Area Office, Bureau of Indian Affairs
One North First Street P.O. Box 10
Phoenix, AZ 85001
602-379-6600

Sacramento Area Office, Bureau of Indian Affairs
2800 Cottage Way
Sacramento, CA 95825
916-979-2600

Cultural Division, Yuork Tribe
1034 6th Street
Eureka, CA 95501

Scenic Trails

State Contacts for Additional Information
Pacific Crest Trail Association
5325 Elkhorn Boulevard, #256
Sacramento, California 95842
916-349-2109

FLOOD PLAIN, WETLANDS AND COASTAL ZONE

Flood Plain Management
Government Records Searched in This Report
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.

Federal Contacts for Additional Information
Federal Emergency Management Agency 877-3362-627

State Contacts for Additional Information
Office of Emergency Services 916-262-1843

Wetlands Protection
Government Records Searched in This Report
NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2004 from the U.S. Fish and Wildlife Service.

Federal Contacts for Additional Information
Fish & Wildlife Service 813-570-5412

State Contacts for Additional Information
Department of Fish & Game 916-653-7667

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

Coastal Zone Management

Government Records Searched in This Report

CAMA Management Areas
Dept. of Env., Health & Natural Resources
919-733-2293

Federal Contacts for Additional Information

Office of Ocean and Coastal Resource Management
N/ORM, SSMC4
1305 East-West Highway
Silver Spring, Maryland 20910
301-713-3102

State Contacts for Additional Information

California Coastal Commission 415-904-5200

FCC & FAA SITES MAP

For NEPA actions that come under the authority of the FCC, the FCC requires evaluation of Antenna towers and/or supporting structures that are to be equipped with high intensity white lights which are to be located in residential neighborhoods, as defined by the applicable zoning law.

Government Records Searched in This Report

Cellular

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

4G Cellular

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

Antenna Structure Registration

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

Towers

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

AM Antenna

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

FM Antenna
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
888-225-5322

FAA Digital Obstacle File
Federal Aviation Administration (FAA)
1305 East-West Highway, Station 5631
Silver Sprinng, MD 20910-3281
Telephone: 301-713-2817
Describes known obstacles of interest to aviation users in the US. Used by the Federal Aviation Administration (FAA) and the National Oceanic and Atmospheric Administration to manage the National Airspace System.

Airport Landing Facilities
Federal Aviation Administration
Telephone (800) 457-6656
Private and public use landing facilities.

Electric Power Transmission Line Data
Rextag Strategies Corp.
14405 Walters Road, Suite 510
Houston, TX 77014
281-769-2247
U.S. Electric Transmission and Power Plants systems Digital GIS Data.

Excessive Radio Frequency Emission
For NEPA actions that come under the authority of the FCC, Commission actions granting construction permits, licenses to transmit or renewals thereof, equipment authorizations or modifications in existing facilities, require the determination of whether the particular facility, operation or transmitter would cause human exposure to levels of radio frequency in excess of certain limits.

Federal Contacts for Additional Information
Office of Engineering and Technology
Federal Communications Commission
445 12th Street SW
Washington, DC 20554
Phone: 202-418-2470

OTHER CONTACT SOURCES

NEPA Single Point of Contact
State Contacts for Additional Information
Grants Coordination
State Clearinghouse
P.O. Box 3044
Room 222
Sacramento, CA 95812-3044
916-445-0613

KEY CONTACTS & GOVERNMENT RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Grant Grove Solid Waste Management Unit # 38
CA Hwy 180
Kings Canyon Nationa, CA 93633

Inquiry Number: 3739597.6s
September 25, 2013

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

CA HWY 180
KINGS CANYON NATIONA, CA 93633

COORDINATES

Latitude (North):	36.7464000 - 36˚ 44' 47.04''
Longitude (West):	118.9671000 - 118˚ 58' 1.56''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	324381.5
UTM Y (Meters):	4068341.8
Elevation:	6612 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	36118-F8 GENERAL GRANT GROVE, CA
Most Recent Revision:	1987
North Map:	36118-G8 HUME, CA
Most Recent Revision:	1992

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year:	2012
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL---------- National Priority List

EXECUTIVE SUMMARY

Proposed NPL ..... Proposed National Priority List Sites
NPL LIENS ..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

CERCLIS ..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY ..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP ..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS ..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ..... RCRA - Large Quantity Generators
RCRA-SQG ..... RCRA - Small Quantity Generators
RCRA-CESQG ..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROL ..... Sites with Institutional Controls
LUCIS ..... Land Use Control Information System

Federal ERNS list

ERNS ..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE ..... State Response Sites

State- and tribal - equivalent CERCLIS

ENVIROSTOR ..... EnviroStor Database

State and tribal landfill and/or solid waste disposal site lists

SWF/LF ..... Solid Waste Information System

State and tribal leaking storage tank lists

LUST ..... Geotracker's Leaking Underground Fuel Tank Report

SLIC ..... Statewide SLIC Cases
INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

UST ..... Active UST Facilities
AST ..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST ..... Underground Storage Tanks on Indian Land
FEMA UST ..... Underground Storage Tank Listing

State and tribal voluntary cleanup sites

VCP ..... Voluntary Cleanup Program Properties
INDIAN VCP ..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

ODI ..... Open Dump Inventory
DEBRIS REGION 9 ..... Torres Martinez Reservation Illegal Dump Site Locations
WMUDS/SWAT ..... Waste Management Unit Database
SWRCY ..... Recycler Database
HAULERS ..... Registered Waste Tire Haulers Listing
INDIAN ODI ..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL ..... Clandestine Drug Labs
HIST Cal-Sites ..... Historical Calsites Database
SCH ..... School Property Evaluation Program
Toxic Pits ..... Toxic Pits Cleanup Act Sites
CDL ..... Clandestine Drug Labs
US HIST CDL ..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

CA FID UST ..... Facility Inventory Database
HIST UST ..... Hazardous Substance Storage Container Database
SWEEPS UST ..... SWEEPS UST Listing

Local Land Records

LIENS 2 ..... CERCLA Lien Information
LIENS ..... Environmental Liens Listing
DEED ..... Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ..... Hazardous Materials Information Reporting System

EXECUTIVE SUMMARY

CHMIRS	California Hazardous Material Incident Report System
LDS	Land Disposal Sites Listing
MCS	Military Cleanup Sites Listing
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators
DOT OPS	Incident and Accident Data
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
US MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System
RMP	Risk Management Plans
CA BOND EXP. PLAN	Bond Expenditure Plan
UIC	UIC Listing
NPDES	NPDES Permits Listing
Cortese	"Cortese" Hazardous Waste & Substances Sites List
HIST CORTESE	Hazardous Waste & Substance Site List
CUPA Listings	CUPA Resources List
Notify 65	Proposition 65 Records
DRYCLEANERS	Cleaner Facilities
WIP	Well Investigation Program Case List
ENF	Enforcement Action Listing
HAZNET	Facility and Manifest Data
EMI	Emissions Inventory Data
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
HWT	Registered Hazardous Waste Transporter Database
HWP	EnviroStor Permitted Facilities Listing
Financial Assurance	Financial Assurance Information Listing
LEAD SMELTERS	Lead Smelter Sites
2020 COR ACTION	2020 Corrective Action Program List
US AIRS	Aerometric Information Retrieval System Facility Subsystem
PRP	Potentially Responsible Parties
WDS	Waste Discharge System
EPA WATCH LIST	EPA WATCH LIST
US FIN ASSUR	Financial Assurance Information
PCB TRANSFORMER	PCB Transformer Registration Database

EXECUTIVE SUMMARY

PROC..... Certified Processors Database
MWMP..... Medical Waste Management Program Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

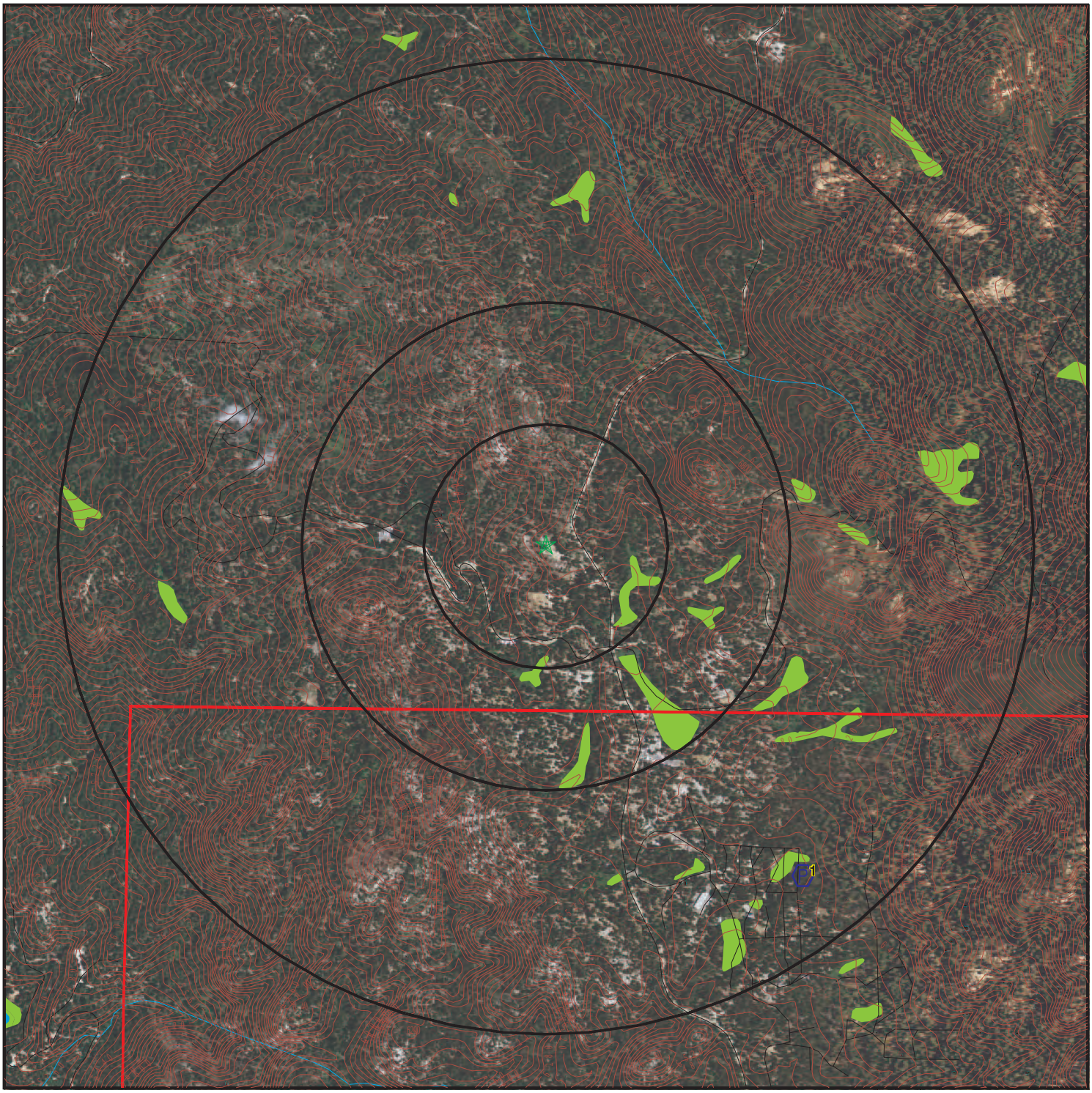
Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 21 records.

Site Name	Database(s)
LODGEPOLE CHEVRON	HIST CORTESE
MONTECITO SEQUOIA CAMP	HIST CORTESE
KINGS CANYON LODGE	CA FID UST, SWEEPS UST
GRANT GROVE LODGE	SWEEPS UST
CEDAR GROVE CHEVRON	CUPA Listings
DUNLAP CEMETERY DISTRICT	CUPA Listings
PG&E DUNLAP SUBSTATION	CUPA Listings
PG&E BALCH CAMP	CUPA Listings
HIGH SIERRA CAMP	CUPA Listings
CEDAR GROVE MAINTENANCE YARD	CUPA Listings
MONTECITO SEQUOIA CAMP	LUST
GRANT GROVE - WWTP	UST
STONY CREEK VILLAGE	UST
KINGS CANYON LODGE	HIST UST
CENTRAL VALLEY READY MIX, INC.	US MINES
GRANITE CONSTRUCTION CO.	US MINES
SPRECKELS SUGAR CO	US MINES
COLD SPRING GRANITE CO	US MINES
VULCAN MATERIALS CO.	US MINES
RMC PACIFIC MATERIALS	US MINES
VULCAN MATERIALS CO.	US MINES

OVERVIEW MAP - 3739597.6s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

0 1/4 1/2 1 Miles

- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Grant Grove Solid Waste Management Unit # 38	CLIENT:	Environmental Cost Management, Inc.
ADDRESS:	CA Hwy 180 Kings Canyon Nationa CA 93633	CONTACT:	Holly Trejo
		INQUIRY #:	3739597.6s
LAT/LONG:	36.7464 / 118.9671	DATE:	September 25, 2013 2:01 pm

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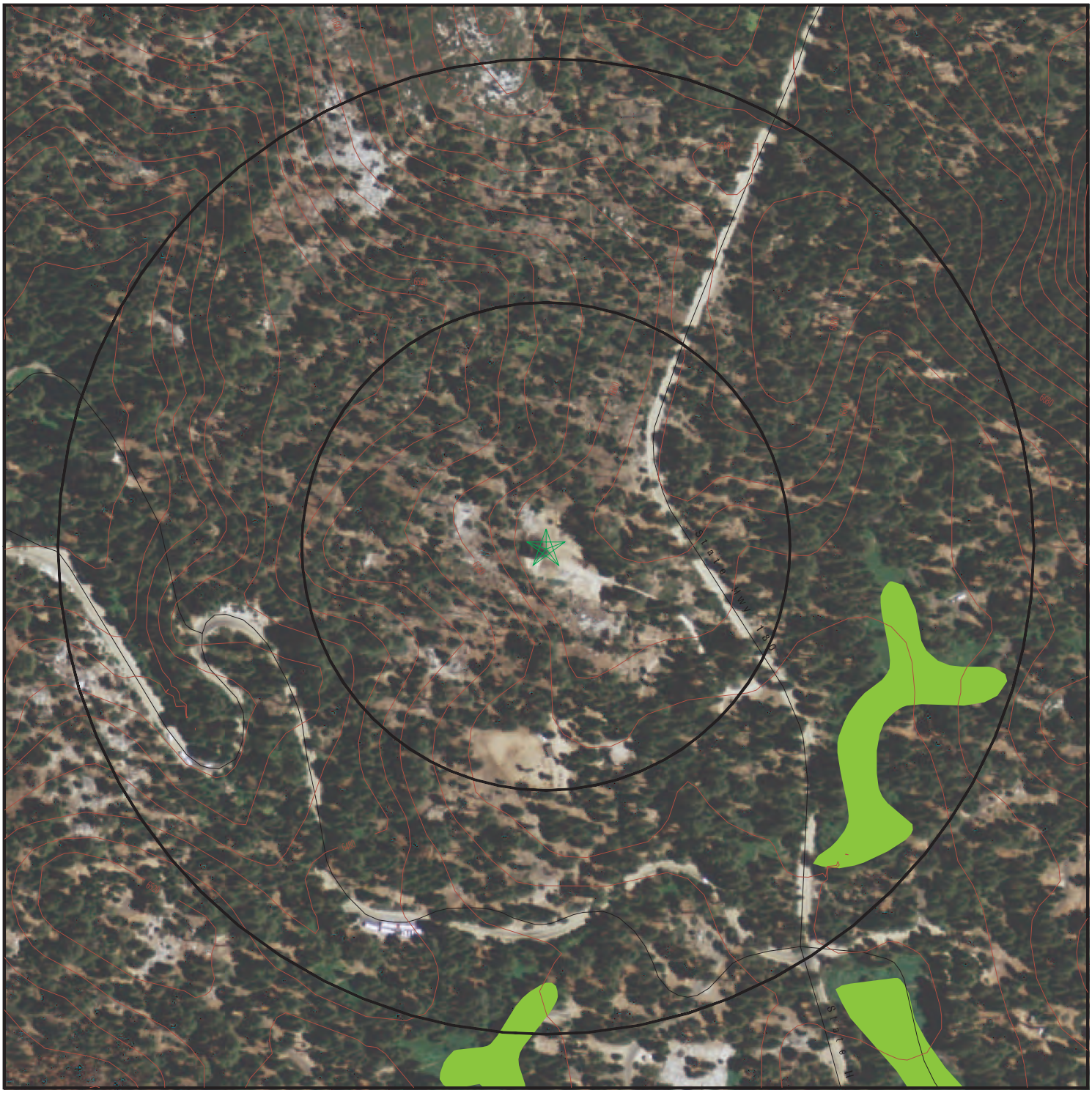
DETAIL MAP - 3739597.6s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

0 1/16 1/8 1/4 Miles

- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- Areas of Concern

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Grant Grove Solid Waste Management Unit # 38	CLIENT:	Environmental Cost Management, Inc.
ADDRESS:	CA Hwy 180 Kings Canyon Nationa CA 93633	CONTACT:	Holly Trejo
		INQUIRY #:	3739597.6s
LAT/LONG:	36.7464 / 118.9671	DATE:	September 25, 2013 2:03 pm

Copyright © 2013 EDR, Inc. © 2010 Tele Atlas Rel. 07/2009.

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
ENVIROSTOR	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SLIC	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
CA FID UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
SWEEPS UST	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
LIENS	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
Cortese	0.500		0	0	0	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
PROC	0.500		0	0	0	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR US Hist Auto Stat	0.250		0	0	NR	NR	NR	0
EDR US Hist Cleaners	0.250		0	0	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number

NO SITES FOUND

Count: 21 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CEDAR GROVE	S104869694	CEDAR GROVE CHEVRON	75000 E KINGS CANYON	93633	CUPA Listings
DUNLAP	S106487505	DUNLAP CEMETERY DISTRICT	38981 SANDS BAKER	93621	CUPA Listings
DUNLAP	S109348711	PG&E DUNLAP SUBSTATION	TODD EYMANN	93621	CUPA Listings
DUNLAP	S111413469	PG&E BALCH CAMP	36000 TRIMMER SPGS	93621	CUPA Listings
FRESNO COUNTY	M300003062	CENTRAL VALLEY READY MIX, INC.	CENTRAL VALLEY PIT		US MINES
FRESNO COUNTY	M300003063	GRANITE CONSTRUCTION CO.	COALINGA PLANT		US MINES
FRESNO COUNTY	M300002398	SPRECKELS SUGAR CO	MENDOTA LIMEKILN		US MINES
FRESNO COUNTY	M300001885	COLD SPRING GRANITE CO	RAYMOND PLANT QUARRY #2 - ACAD		US MINES
FRESNO COUNTY	M300003061	VULCAN MATERIALS CO.	RIVER ROCK (#020)		US MINES
FRESNO COUNTY	M300003064	RMC PACIFIC MATERIALS	ROCKFIELD PLANT (#124)		US MINES
FRESNO COUNTY	M300003065	VULCAN MATERIALS CO.	SANGER (#068)		US MINES
KINGS CANYON	U001588960	KINGS CANYON LODGE	67551 E KINGS CANYON RD	93633	HIST UST
KINGS CANYON NATIONA	S107504252	HIGH SIERRA CAMP	65745 BIG MDW	93633	CUPA Listings
KINGS CANYON NATIONA	S106174884	CEDAR GROVE MAINTENANCE YARD	CEDAR GRV	93633	CUPA Listings
KINGS CANYON NATIONA	U003788888	GRANT GROVE - WWTP	GRANT GRV	93633	UST
KINGS CYN NATL PK	S101621166	KINGS CANYON LODGE	67551 E KINGS CANYON RD	93633	CA FID UST, SWEEPS UST
SEQ NAT PK	S106926854	GRANT GROVE LODGE	GENERAL DELIVERY HWY	93633	SWEEPS UST
SEQUOIA NATIONAL PAR	S103480353	MONTECITO SEQUOIA CAMP	GENERALS HWY	93633	LUST
SEQUOIA NATIONAL PAR	U004121078	STONY CREEK VILLAGE	65569 GENERALS HWY	93621	UST
SEQUOIA NATL PARK	S105026604	LODGEPOLE CHEVRON	GENERALS HWY	93633	HIST CORTESE
SEQUOIA NATL PARK	S105026605	MONTECITO SEQUOIA CAMP	GENERALS HWY	93633	HIST CORTESE

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 05/09/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 62

Source: EPA
Telephone: N/A
Last EDR Contact: 07/12/2013
Next Scheduled EDR Contact: 10/21/2013
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
Date Data Arrived at EDR: 05/09/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 62

Source: EPA
Telephone: N/A
Last EDR Contact: 07/12/2013
Next Scheduled EDR Contact: 10/21/2013
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 07/12/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 10/21/2013
	Data Release Frequency: Quarterly

Federal CERCLIS list

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

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

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/29/2013	Telephone: 703-412-9810
Date Made Active in Reports: 08/09/2013	Last EDR Contact: 09/13/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

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

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

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

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

Date of Government Version: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/29/2013	Telephone: 703-412-9810
Date Made Active in Reports: 08/09/2013	Last EDR Contact: 09/13/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 12/09/2013
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/08/2013
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: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/08/2013
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: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 03/14/2013
Date Data Arrived at EDR: 03/29/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 03/14/2013
Date Data Arrived at EDR: 03/29/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

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

Date of Government Version: 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: 08/15/2013
Next Scheduled EDR Contact: 09/02/2013
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/17/2013
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 29

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 07/01/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Annually

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

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

Date of Government Version: 08/05/2013
Date Data Arrived at EDR: 08/05/2013
Date Made Active in Reports: 08/27/2013
Number of Days to Update: 22

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/05/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 08/05/2013
Date Data Arrived at EDR: 08/05/2013
Date Made Active in Reports: 08/27/2013
Number of Days to Update: 22

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/05/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive 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
Date Data Arrived at EDR: 05/21/2013
Date Made Active in Reports: 06/25/2013
Number of Days to Update: 35

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 08/19/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG 8: Leaking Underground Storage Tanks

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

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

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

LUST REG 7: Leaking Underground Storage Tank Case Listing

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

Date of Government Version: 02/26/2004
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 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
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
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
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database
Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
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: 07/26/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 31

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 09/17/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

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: 07/26/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 31

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/17/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

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
Date Data Arrived at EDR: 02/06/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 65

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 11/01/2012
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 162

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/02/2013
Next Scheduled EDR Contact: 11/11/2013
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
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Quarterly

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

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
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
Date Data Arrived at EDR: 02/08/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Semi-Annually

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
Date Data Arrived at EDR: 02/28/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 43

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
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
Date Data Arrived at EDR: 03/01/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 42

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 07/26/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 25

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 09/17/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities
Registered Aboveground Storage Tanks.

Date of Government Version: 08/01/2009
Date Data Arrived at EDR: 09/10/2009
Date Made Active in Reports: 10/01/2009
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 916-327-5092
Last EDR Contact: 07/03/2013
Next Scheduled EDR Contact: 10/21/2013
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
Date Data Arrived at EDR: 02/06/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 65

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
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
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 45

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 02/28/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 43

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
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
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
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
Date Data Arrived at EDR: 08/03/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 94

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
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
Date Data Arrived at EDR: 02/08/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 156

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/02/2013
Next Scheduled EDR Contact: 11/11/2013
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
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/19/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

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

Date of Government Version: 08/05/2013
Date Data Arrived at EDR: 08/05/2013
Date Made Active in Reports: 08/27/2013
Number of Days to Update: 22

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/05/2013
Next Scheduled EDR Contact: 11/18/2013
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
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 14

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 07/02/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Date of Government Version: 06/24/2013
Date Data Arrived at EDR: 06/25/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 45

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/24/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/26/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: No Update Planned

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

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/17/2013
Date Made Active in Reports: 08/16/2013
Number of Days to Update: 60

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 04/26/2013
Date Data Arrived at EDR: 04/26/2013
Date Made Active in Reports: 05/16/2013
Number of Days to Update: 20

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/31/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

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

Date of Government Version: 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: 09/04/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Quarterly

HIST CAL-SITES: Calsites Database

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

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

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

SCH: School Property Evaluation Program

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

Date of Government Version: 08/05/2013
Date Data Arrived at EDR: 08/05/2013
Date Made Active in Reports: 08/27/2013
Number of Days to Update: 22

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/05/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

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

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

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: 09/03/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Varies

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

Local Lists of Registered Storage Tanks

CA FID UST: Facility Inventory Database

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

Date of Government Version: 10/31/1994
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

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: 09/03/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

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

Date of Government Version: 10/15/1990
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

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

Local Land Records

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 02/06/2013
Date Data Arrived at EDR: 04/25/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

LIENS: Environmental Liens Listing

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

Date of Government Version: 06/14/2013
Date Data Arrived at EDR: 06/17/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 65

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/23/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

DEED: Deed Restriction Listing

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

Date of Government Version: 06/10/2013
Date Data Arrived at EDR: 06/11/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 71

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 09/11/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 55

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/01/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Annually

CHMIRS: California Hazardous Material Incident Report System

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

Date of Government Version: 03/12/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 06/25/2013
Number of Days to Update: 55

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 08/02/2013
Next Scheduled EDR Contact: 11/11/2013
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: 07/26/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 31

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/17/2013
Next Scheduled EDR Contact: 12/30/2013
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: 07/26/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 31

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 09/17/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators

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

Date of Government Version: 07/11/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 10/14/2013
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

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

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/05/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005
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: 07/19/2013
Next Scheduled EDR Contact: 10/28/2013
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: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 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

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
Date Data Arrived at EDR: 03/13/2013
Date Made Active in Reports: 04/12/2013
Number of Days to Update: 30

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/13/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/28/2013
Next Scheduled EDR Contact: 09/09/2013
Data Release Frequency: Varies

US MINES: Mines Master Index File

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

Date of Government Version: 02/05/2013
Date Data Arrived at EDR: 04/18/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 22

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/05/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/30/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/24/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Every 4 Years

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Quarterly

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

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Quarterly

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
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
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 07/01/2013
Next Scheduled EDR Contact: 10/28/2013
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
Date Data Arrived at EDR: 01/16/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 114

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/17/2013
Next Scheduled EDR Contact: 10/28/2013
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
Date Data Arrived at EDR: 03/20/2013
Date Made Active in Reports: 07/10/2013
Number of Days to Update: 112

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

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

Date of Government Version: 04/09/2013
Date Data Arrived at EDR: 04/11/2013
Date Made Active in Reports: 05/10/2013
Number of Days to Update: 29

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/12/2013
Next Scheduled EDR Contact: 10/21/2013
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).

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: 09/11/2013
Next Scheduled EDR Contact: 12/23/2013
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: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
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: 08/26/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Biennially

CA BOND EXP. PLAN: Bond Expenditure Plan

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

Date of Government Version: 01/01/1989
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

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/20/2013
Date Data Arrived at EDR: 05/21/2013
Date Made Active in Reports: 06/12/2013
Number of Days to Update: 22

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/19/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Quarterly

UIC: UIC Listing

A listing of underground control injection wells.

Date of Government Version: 03/05/2013
Date Data Arrived at EDR: 03/19/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 8

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 09/17/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Varies

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

Date of Government Version: 07/05/2013
Date Data Arrived at EDR: 07/05/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 52

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 07/05/2013
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 [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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

Date of Government Version: 10/21/1993
Date Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 09/23/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: No Update Planned

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

Date of Government Version: 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: 09/10/2013
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

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

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

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

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 07/16/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 41

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/16/2013
Next Scheduled EDR Contact: 10/28/2013
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: 12/31/2010
Date Data Arrived at EDR: 06/25/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 58

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/25/2013
Next Scheduled EDR Contact: 10/07/2013
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2005
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: 07/19/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 03/07/2011
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: 08/01/2013
Next Scheduled EDR Contact: 11/04/2013
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 03/04/2013
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: 08/23/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/02/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Varies

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/17/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 65

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

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

Date of Government Version: 05/02/2013
Date Data Arrived at EDR: 06/13/2013
Date Made Active in Reports: 07/24/2013
Number of Days to Update: 41

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 09/11/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 07/19/2013
Next Scheduled EDR Contact: 10/28/2013
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
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 09/13/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

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

Date of Government Version: 07/15/2013
Date Data Arrived at EDR: 07/16/2013
Date Made Active in Reports: 08/12/2013
Number of Days to Update: 27

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/16/2013
Next Scheduled EDR Contact: 10/28/2013
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: 08/27/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/21/2013
Date Data Arrived at EDR: 05/22/2013
Date Made Active in Reports: 06/27/2013
Number of Days to Update: 36

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/15/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 08/08/2013
Date Made Active in Reports: 08/27/2013
Number of Days to Update: 19

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 08/26/2013
Next Scheduled EDR Contact: 11/11/2013
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
Date Data Arrived at EDR: 02/14/2013
Date Made Active in Reports: 02/27/2013
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/24/2013
Next Scheduled EDR Contact: 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 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

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

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

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

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

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/16/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/19/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: N/A

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 04/15/2013
Date Data Arrived at EDR: 07/03/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 72

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

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Quarterly

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

Date of Government Version: 01/23/2013
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 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

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

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 08/13/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

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

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

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

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

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

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

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

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

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

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

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

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

ALAMEDA COUNTY:

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

Date of Government Version: 07/25/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 14

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: 07/25/2013
Date Data Arrived at EDR: 07/26/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 25

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: 06/20/2013
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 61

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing
Cupa facility list.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/02/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 20

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 07/26/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: Varies

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 07/24/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 16

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 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: 06/20/2013
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 08/09/2013
Number of Days to Update: 39

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

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

Date of Government Version: 06/10/2013
Date Data Arrived at EDR: 06/11/2013
Date Made Active in Reports: 07/24/2013
Number of Days to Update: 43

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 08/05/2013
Next Scheduled EDR Contact: 11/18/2013
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: 09/20/2013
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: 08/05/2013
Next Scheduled EDR Contact: 11/18/2013
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: 06/30/2013
Date Data Arrived at EDR: 07/16/2013
Date Made Active in Reports: 07/24/2013
Number of Days to Update: 8

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 07/15/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 08/09/2013
Date Data Arrived at EDR: 08/09/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 13

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/09/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 07/26/2013
Date Data Arrived at EDR: 08/09/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 13

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 11/11/2013
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: 09/10/2013
Next Scheduled EDR Contact: 12/09/2013
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: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
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: 06/20/2013
Date Data Arrived at EDR: 06/24/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 58

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List
Cupa facility list

Date of Government Version: 01/23/2013
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: 07/18/2013
Next Scheduled EDR Contact: 11/04/2013
Data Release Frequency: Varies

LOS ANGELES COUNTY:

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

Date of Government Version: 03/30/2009
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: 09/23/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: No Update Planned

HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 03/28/2013
Date Data Arrived at EDR: 06/17/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 65

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 07/15/2013
Next Scheduled EDR Contact: 10/28/2013
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/22/2013
Date Data Arrived at EDR: 07/22/2013
Date Made Active in Reports: 08/26/2013
Number of Days to Update: 35

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/22/2013
Next Scheduled EDR Contact: 11/04/2013
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: 07/17/2013
Next Scheduled EDR Contact: 11/04/2013
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: 07/17/2013
Next Scheduled EDR Contact: 11/04/2013
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 07/31/2013
Date Data Arrived at EDR: 08/01/2013
Date Made Active in Reports: 08/27/2013
Number of Days to Update: 26

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 07/18/2013
Next Scheduled EDR Contact: 11/04/2013
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: 07/26/2013
Next Scheduled EDR Contact: 11/11/2013
Data Release Frequency: Annually

City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 07/15/2013
Date Data Arrived at EDR: 07/18/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 33

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 07/15/2013
Next Scheduled EDR Contact: 10/28/2013
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: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 11/26/2012
Date Data Arrived at EDR: 11/28/2012
Date Made Active in Reports: 01/21/2013
Number of Days to Update: 54

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 07/18/2013
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: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 06/04/2013
Date Data Arrived at EDR: 06/05/2013
Date Made Active in Reports: 07/15/2013
Number of Days to Update: 40

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 09/03/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 06/21/2013
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 61

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

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

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 09/03/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: No Update Planned

Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

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

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 09/03/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 05/29/2013
Date Data Arrived at EDR: 05/30/2013
Date Made Active in Reports: 07/15/2013
Number of Days to Update: 46

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 08/15/2013
Next Scheduled EDR Contact: 11/18/2013
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: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
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: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

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: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
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
Date Data Arrived at EDR: 03/13/2013
Date Made Active in Reports: 03/27/2013
Number of Days to Update: 14

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/20/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/18/2013
Date Data Arrived at EDR: 07/18/2013
Date Made Active in Reports: 07/24/2013
Number of Days to Update: 6

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/23/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Quarterly

Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 07/18/2013
Date Data Arrived at EDR: 07/18/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 33

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/23/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List

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

Date of Government Version: 05/03/2013
Date Data Arrived at EDR: 07/08/2013
Date Made Active in Reports: 07/24/2013
Number of Days to Update: 16

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/05/2013
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: 05/03/2013
Date Data Arrived at EDR: 07/08/2013
Date Made Active in Reports: 08/23/2013
Number of Days to Update: 46

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/05/2013
Next Scheduled EDR Contact: 10/21/2013
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

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

Date of Government Version: 05/30/2013
Date Data Arrived at EDR: 05/31/2013
Date Made Active in Reports: 07/15/2013
Number of Days to Update: 45

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 08/08/2013
Next Scheduled EDR Contact: 11/25/2013
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: 09/23/2013
Next Scheduled EDR Contact: 12/23/2013
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: 07/24/2013
Next Scheduled EDR Contact: 11/11/2013
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: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

Local Oversite 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: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
Data Release Frequency: Quarterly

Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/29/2010
Date Data Arrived at EDR: 03/10/2011
Date Made Active in Reports: 03/15/2011
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 08/07/2013
Next Scheduled EDR Contact: 11/25/2013
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: 06/18/2013
Date Data Arrived at EDR: 06/24/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 57

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 09/23/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/04/2013
Date Data Arrived at EDR: 06/05/2013
Date Made Active in Reports: 07/15/2013
Number of Days to Update: 40

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory

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

Date of Government Version: 07/02/2013
Date Data Arrived at EDR: 07/05/2013
Date Made Active in Reports: 08/23/2013
Number of Days to Update: 49

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/13/2013
Next Scheduled EDR Contact: 09/30/2013
Data Release Frequency: Annually

Fuel Leak List

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

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/18/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

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

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 09/23/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List

Cupa facility list

Date of Government Version: 06/03/2013
Date Data Arrived at EDR: 06/04/2013
Date Made Active in Reports: 07/15/2013
Number of Days to Update: 41

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 09/03/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report

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

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

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

LOP Listing

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

Date of Government Version: 06/03/2013
Date Data Arrived at EDR: 06/06/2013
Date Made Active in Reports: 07/15/2013
Number of Days to Update: 39

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 09/03/2013
Next Scheduled EDR Contact: 12/16/2013
Data Release Frequency: Annually

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: 08/08/2013
Next Scheduled EDR Contact: 11/25/2013
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: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/18/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 64

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/22/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/20/2013
Date Made Active in Reports: 08/12/2013
Number of Days to Update: 53

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 06/17/2013
Date Data Arrived at EDR: 06/20/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 61

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 07/05/2013
Date Data Arrived at EDR: 07/05/2013
Date Made Active in Reports: 08/21/2013
Number of Days to Update: 47

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 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: 07/02/2013
Date Data Arrived at EDR: 07/05/2013
Date Made Active in Reports: 08/12/2013
Number of Days to Update: 38

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 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: 06/10/2013
Date Data Arrived at EDR: 06/11/2013
Date Made Active in Reports: 08/19/2013
Number of Days to Update: 69

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 09/10/2013
Next Scheduled EDR Contact: 12/23/2013
Data Release Frequency: Semi-Annually

TUOLUMNE COUNTY:

CUPA Facility List
Cupa facility list

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

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/26/2013
Next Scheduled EDR Contact: 11/11/2013
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: 08/19/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Quarterly

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

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

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 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: 08/19/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Quarterly

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

Date of Government Version: 05/28/2013
Date Data Arrived at EDR: 06/24/2013
Date Made Active in Reports: 08/12/2013
Number of Days to Update: 49

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/30/2013
Next Scheduled EDR Contact: 11/11/2013
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: 05/28/2013
Date Data Arrived at EDR: 06/17/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 64

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Quarterly

YOLO COUNTY:

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

Date of Government Version: 06/24/2013
Date Data Arrived at EDR: 06/26/2013
Date Made Active in Reports: 08/20/2013
Number of Days to Update: 55

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 09/23/2013
Next Scheduled EDR Contact: 01/08/2014
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 08/01/2013
Date Data Arrived at EDR: 08/05/2013
Date Made Active in Reports: 08/22/2013
Number of Days to Update: 17

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 07/31/2013
Next Scheduled EDR Contact: 11/18/2013
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
Date Data Arrived at EDR: 05/21/2013
Date Made Active in Reports: 06/27/2013
Number of Days to Update: 37

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/19/2013
Next Scheduled EDR Contact: 12/02/2013
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/19/2013
Next Scheduled EDR Contact: 10/28/2013
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: 08/01/2013
Date Data Arrived at EDR: 08/07/2013
Date Made Active in Reports: 09/10/2013
Number of Days to Update: 34

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/07/2013
Next Scheduled EDR Contact: 11/18/2013
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 07/24/2013
Date Made Active in Reports: 08/19/2013
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/18/2013
Next Scheduled EDR Contact: 11/04/2013
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 06/21/2013
Date Made Active in Reports: 08/05/2013
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/23/2013
Next Scheduled EDR Contact: 12/09/2013
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
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: 09/16/2013
Next Scheduled EDR Contact: 12/30/2013
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

GRANT GROVE SOLID WASTE MANAGEMENT UNIT # 38
CA HWY 180
KINGS CANYON NATIONA, CA 93633

TARGET PROPERTY COORDINATES

Latitude (North):	36.7464 - 36˚ 44' 47.04''
Longitude (West):	118.9671 - 118˚ 58' 1.56''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	324381.5
UTM Y (Meters):	4068341.8
Elevation:	6612 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	36118-F8 GENERAL GRANT GROVE, CA
Most Recent Revision:	1987
North Map:	36118-G8 HUME, CA
Most Recent Revision:	1992

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

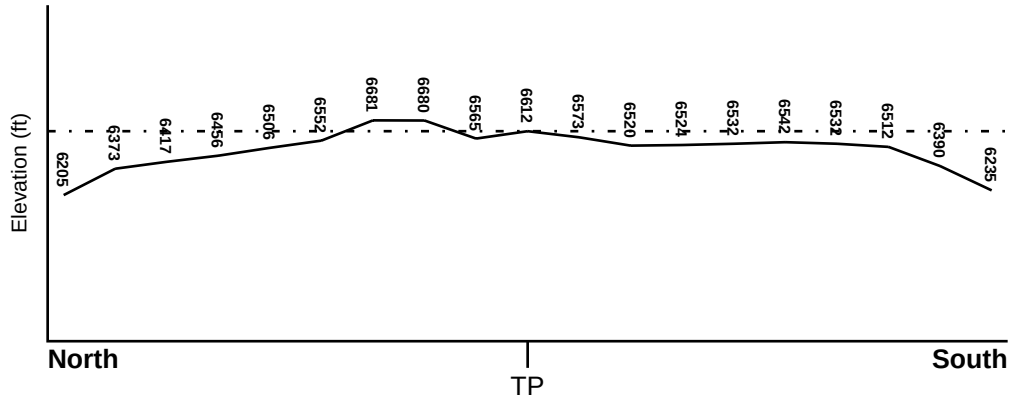
TOPOGRAPHIC INFORMATION

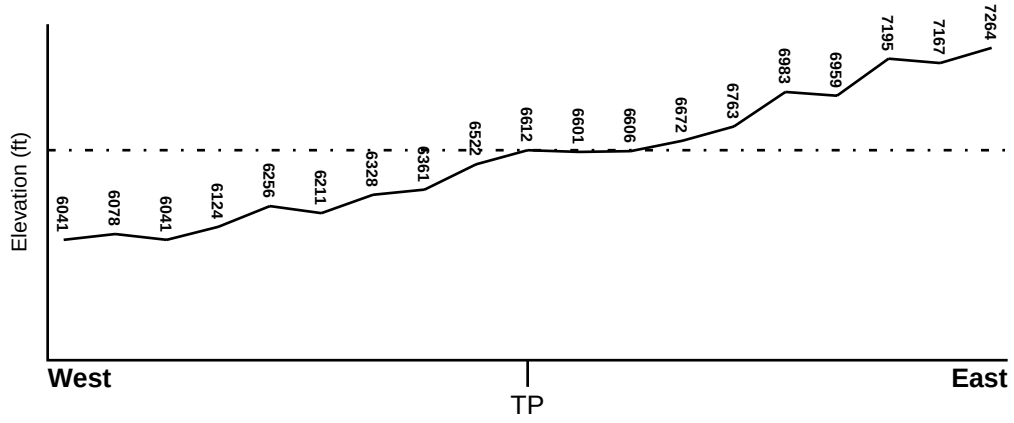
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 6612 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
FRESNO, CA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:	06019C - FEMA DFIRM Flood data
Additional Panels in search area:	06107C - FEMA DFIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
GENERAL GRANT GROVE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Mesozoic
System:	Cretaceous
Series:	Lower Cretaceous granitic rocks
Code:	Kg1 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	CHAWANAKEE
Soil Surface Texture:	coarse sandy loam
Hydrologic Group:	Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.
Soil Drainage Class:	Somewhat excessive. Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	MODERATE
Depth to Bedrock Min:	> 10 inches
Depth to Bedrock Max:	> 20 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	18 inches	coarse sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 6.50 Min: 5.10
2	18 inches	22 inches	weathered bedrock	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: unweathered bedrock
gravelly - coarse sandy loam
sandy loam

Surficial Soil Types: unweathered bedrock
gravelly - coarse sandy loam
sandy loam

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: unweathered bedrock
sandy loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

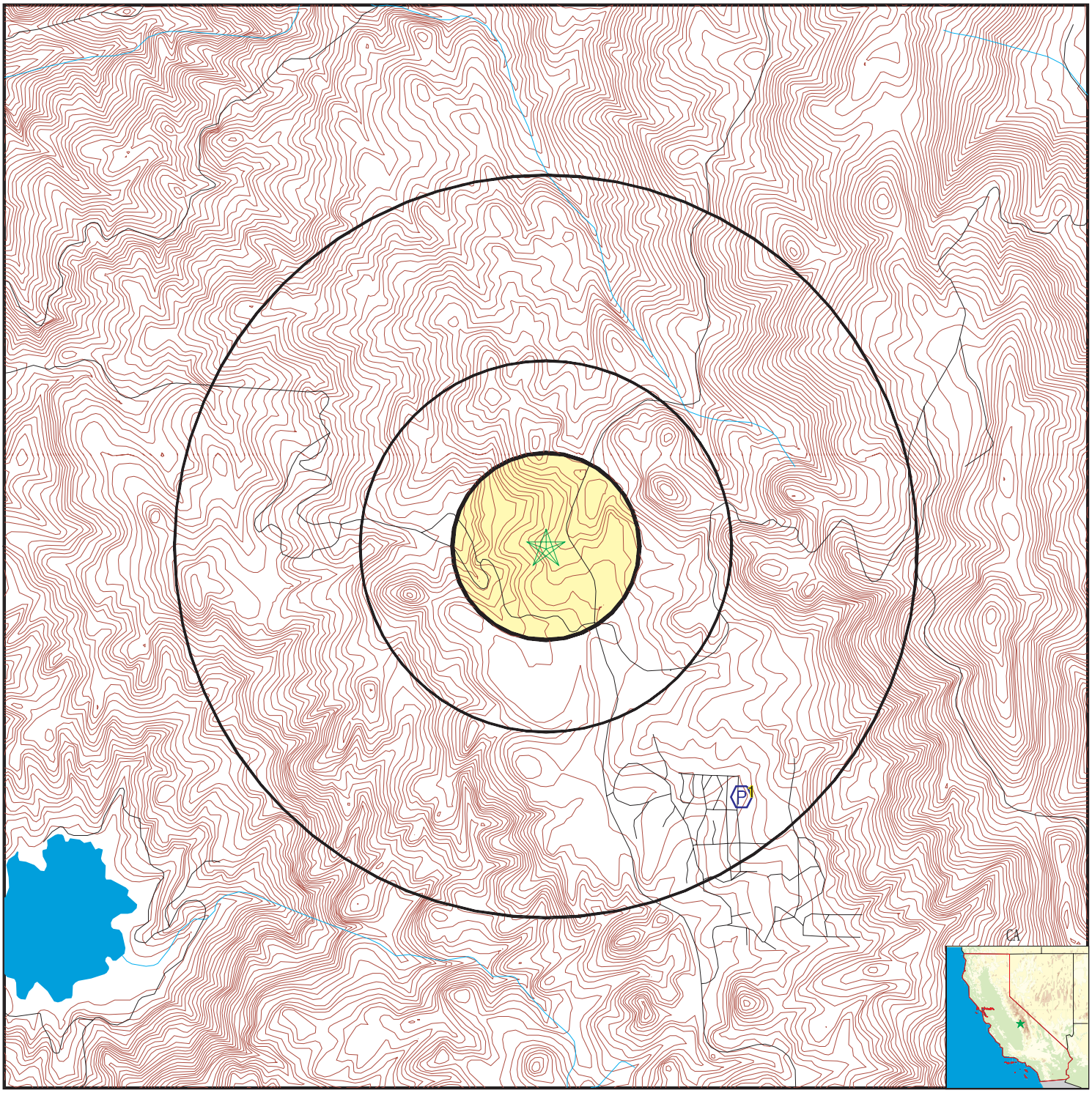
MAP ID	WELL ID	LOCATION FROM TP
1	CA1000330	1/2 - 1 Mile SE

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 3739597.6s



County Boundary
Major Roads
Contour Lines
Earthquake Fault Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
Indeterminate Groundwater Flow at Location
Groundwater Flow Varies at Location
Closest Hydrogeological Data
Oil, gas or related wells

N

SITE NAME:	Grant Grove Solid Waste Management Unit # 38	CLIENT:	Environmental Cost Management, Inc.
ADDRESS:	CA Hwy 180 Kings Canyon Nationa CA 93633	CONTACT:	Holly Trejo
		INQUIRY #:	3739597.6s
LAT/LONG:	36.7464 / 118.9671	DATE:	September 25, 2013 2:03 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation	Database	EDR ID Number
1 **SE** **1/2 - 1 Mile** **Lower**	**FRDS PWS**	**CA1000330**

PWS ID:	CA1000330		
Date Initiated:	7706	Date Deactivated:	Not Reported
PWS Name:	KINGS CANYON LODGE KINGS CANYON LODGE 67751 E KINGS CYN RD DUNLAP, CA 93621		
Addressee / Facility:	System Owner/Responsible Party KINGS CANYON LODGE P O BOX 8 KINGS CANYON NATL, CA 93633		
Facility Latitude:	36 44 12	Facility Longitude:	118 57 24
City Served:	Not Reported		
Treatment Class:	Untreated	Population:	00000030

Violations information not reported.

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for FRESNO County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for FRESNO COUNTY, CA

Number of sites tested: 100

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.251 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.433 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Health Services
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Grant Grove Solid Waste Management Unit # 38
CA Hwy 180
Kings Canyon Nationa, CA 93633

Inquiry Number: 3739597.7
September 25, 2013

EDR Historical Topographic Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

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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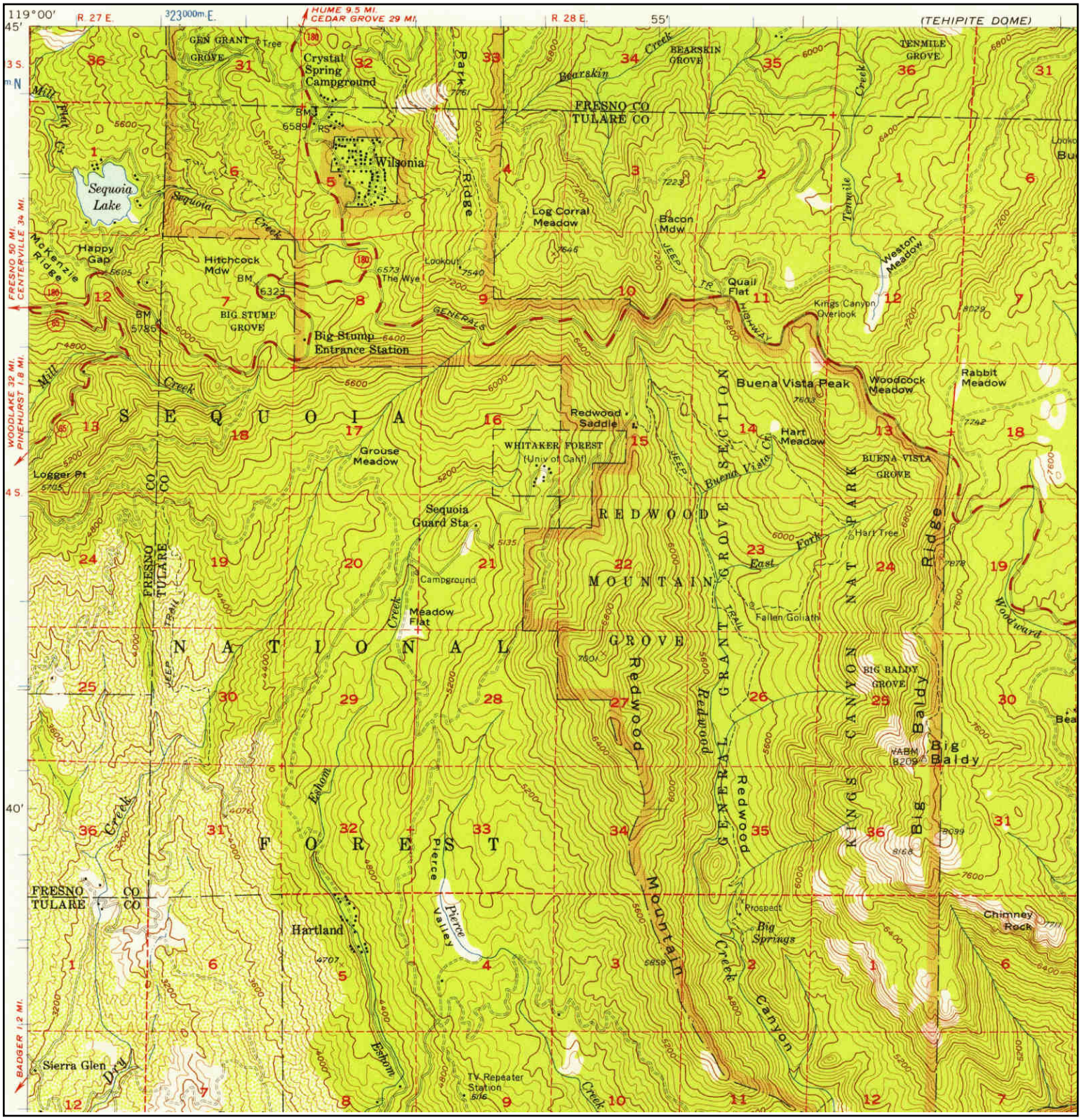
Historical Topographic Map

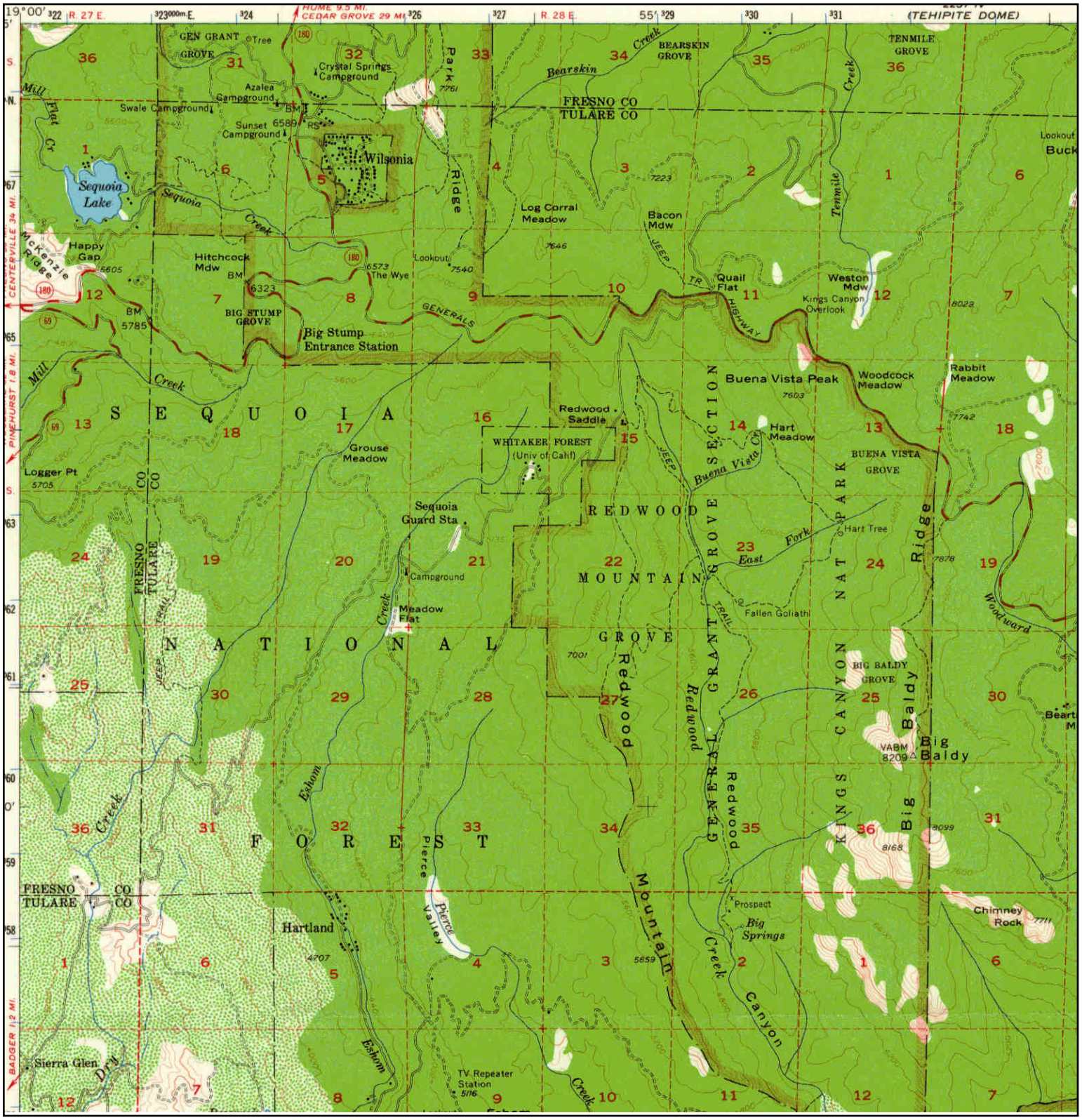
N	TARGET QUAD NAME: TEHIPITE MAP YEAR: 1905 SERIES: 30 SCALE: 1:25000	SITE NAME: Grant Grove Solid Waste Management Unit # 38 ADDRESS: CA Hwy 180 Kings Canyon Nationa, CA LAT/LONG: 36.7464 / -118.9671	CLIENT: Environmental Cost Management, Inc. CONTACT: Holly Trejo INQUIRY#: 3739597.7 RESEARCH DATE: 09/25/2013

Historical Topographic Map



N	TARGET QUAD NAME: GIANT FOREST MAP YEAR: 1956 SERIES: 15 SCALE: 1:62500	SITE NAME: Grant Grove Solid Waste Management Unit # 38 ADDRESS: CA Hwy 180 Kings Canyon Nationa, CA LAT/LONG: 36.7464 / -118.9671	CLIENT: Environmental Cost Management, Inc. CONTACT: Holly Trejo INQUIRY#: 3739597.7 RESEARCH DATE: 09/25/2013

Historical Topographic Map



N	TARGET QUAD NAME: GIANT FOREST MAP YEAR: 1967 REVISED FROM :1956 SERIES: 15 SCALE: 1:62500	SITE NAME: Grant Grove Solid Waste Management Unit # 38 ADDRESS: CA Hwy 180 Kings Canyon Nationa, CA LAT/LONG: 36.7464 / -118.9671	CLIENT: Environmental Cost Management, Inc. CONTACT: Holly Trejo INQUIRY#: 3739597.7 RESEARCH DATE: 09/25/2013

Historical Topographic Map

N	**TARGET QUAD** NAME: GENERAL GRANT GROVE MAP YEAR: 1987 PROVISIONAL SERIES: 7.5 SCALE: 1:24000	SITE NAME: Grant Grove Solid Waste Management Unit # 38 ADDRESS: CA Hwy 180 Kings Canyon Nationa, CA LAT/LONG: 36.7464 / -118.9671	CLIENT: Environmental Cost Management, Inc. CONTACT: Holly Trejo INQUIRY#: 3739597.7 RESEARCH DATE: 09/25/2013

Historical Topographic Map

N	TARGET QUAD NAME: GENERAL GRANT GROVE MAP YEAR: 1993 PROVISIONAL SERIES: 7.5 SCALE: 1:24000	SITE NAME: Grant Grove Solid Waste Management Unit # 38 ADDRESS: CA Hwy 180 Kings Canyon Nationa, CA LAT/LONG: 36.7464 / -118.9671	CLIENT: Environmental Cost Management, Inc. CONTACT: Holly Trejo INQUIRY#: 3739597.7 RESEARCH DATE: 09/25/2013

Historical Topographic Map

N	ADJOINING QUAD NAME: TEHIPITE DOME MAP YEAR: 1952 SERIES: 15 SCALE: 1:62500	SITE NAME: Grant Grove Solid Waste Management Unit # 38 ADDRESS: CA Hwy 180 Kings Canyon Nationa, CA LAT/LONG: 36.7464 / -118.9671	CLIENT: Environmental Cost Management, Inc. CONTACT: Holly Trejo INQUIRY#: 3739597.7 RESEARCH DATE: 09/25/2013

Historical Topographic Map

N	ADJOINING QUAD NAME: TEHIPITE DOME MAP YEAR: 1967 SERIES: 15 SCALE: 1:62500	SITE NAME: Grant Grove Solid Waste Management Unit # 38 ADDRESS: CA Hwy 180 Kings Canyon Nationa, CA LAT/LONG: 36.7464 / -118.9671	CLIENT: Environmental Cost Management, Inc. CONTACT: Holly Trejo INQUIRY#: 3739597.7 RESEARCH DATE: 09/25/2013

Appendix C
Ash Mountain SWMU #2
Site Inspection Photographs

Photo 1: November 11, 2013
Pothole North of Former Ash Mountain Incinerator

Photo 2: November 11, 2013
Pothole North of Former Ash Mountain Incinerator

Photo 3: November 11, 2013
Pothole North of Former Ash Mountain Incinerator

Photo 4: November 11, 2013
Looking Southeast. Metal Storage Building at Reported Location of Former Ash Mountain Incinerator Burn pit

Photo 5: 1997
Photo of the Ash Mountain Ash Burial Pit Documented in 1997 DTSC RCRA Facility Assessment Report

Photo 6: November 12, 2013
Location of Reported Ash Mountain Ash Burial Pit Documented in 1997 DTSC RCRA Facility Assessment Report.

Photo 7: November 11, 2013
Telephone Pole From 2010 RCRA Facility Assessment Report

Appendix D
Grant Grove SWMU #38
Site Inspection Photographs

Photo 1: November 11, 2013
Former SWMU #38 Burn Pit Area

Photo 2: November 11, 2013
Debris Found Near Former SWMU #38 Burn Pit Area

Photo 3: November 11, 2013
Debris Found Near Former SWMU #38 Burn Pit Area

Photo 4: November 11, 2013
Western Drainage Swale. Looking West From Former SWMU #38

Photo 5: November 11, 2013
Northern Drainage Swale. Looking West From Former SWMU #38

Appendix E
Ash Mountain SWMU #2 and Grant Grove SWMU #38 Telephone Interview Notes

ENVIRONMENTAL COST MANAGEMENT, INC.
Managing Cost and Liability
3525 Hyland Avenue, Suite 200
Costa Mesa, California 92626
Main: (714) 662-2759 Fax: (714) 662-2758
www.ecostmanage.com

Telecon Notes

Contract No. P13PX01020	Date: December 2, 2013	Time: 1:00 PM
Site: Sequoia and Kings Canyon National Park (SEKI) Grant Grove SWMU #38 and Ash Mountain SWMU #2		
Between: Roy Lee Davis	Organization: former SEKI employee (1968 to 1994)	Phone: 559-564-2255
And: Holly A. Trejo, P.G., ECM		
Discussion: **Ash Mountain incinerator and ash burial pit** Mr. Davis worked at SEKI beginning in 1968. He confirmed that the Ash Mountain incinerator was no longer being used at that time. He worked in the area near the former incinerator and never noticed any indication of an ash burial pit at the site. He mentioned that the historic dump site up the road from the corrals was used for burning green waste. He has no information or speculation regarding where ash from the incinerator was disposed.		

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Personal Interview Notes

Contract No. P13PX01020	Date: November 12, 2013	Time: 9:00 AM
Site: Sequoia and Kings Canyon National Park (SEKI) Grant Grove SWMU #38 and Ash Mountain SWMU #2		
Between: Jack Vance	Organization: Current SEKI employee (1983 to present)	Phone: 559-565-3143
And: Holly A. Trejo, P.G., ECM		

Discussion:

Ash Mountain incinerator and ash burial pit

Mr. Vance currently manages maintenance staff at SEKI. He has worked in the park since 1983 and had overlap with many former employees. He never encountered any ash burial pits near the former Ash Mountain incinerator. The only location that he suspected as a possible ash pit was beneath the metal building across from the former incinerator, due to proximity. He suggested that ECM contact former employee, Mr. Jack Fiscus, who may have more information.

Grant Grove burn dump site

Mr. Vance explained that materials to be reused in the park were staged at the Grant Grove SWMU #38 site. He confirmed that the incinerator at Grant Grove was never used. Waste was dumped at the site at times and burned. No hazardous materials were ever dumped at the site. Front-loader tractors are used to move materials and level out burn material to make space.

Mr. Vance described the Wilsonia community as having many wells and septic systems. He believes most of the Wilsonia wells to be older, shallow,hand-dug wells. He described potable wells for the park as being deep wells, typically 150 feet to 300 feet deep. Wells are installed into fractures in bedrock and treated at the surface prior to dispensing water for use.

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Telecon Notes

Contract No. P13PX01020	Date: November 19, 2013	Time: 2:30 PM
Site: Sequoia and Kings Canyon National Park (SEKI) Grant Grove SWMU #38 and Ash Mountain SWMU #2		
Between: Leroy Malloy	Organization: former SEKI employee (1968 to 1997)	Phone: 559-564-8585
And: Holly A. Trejo, P.G., ECM		

Discussion:

Ash Mountain incinerator and ash burial pit

Mr. Malloy worked for SEKI in trail and general park maintenance, beginning in 1968. He did not recall hearing anything from other employees regarding the ash waste from the Ash Mountain incinerator. He never saw any indication of a burial pit in the area and believes that there was no ash burial pit at the Ash Mountain incinerator site. Mr. Malloy indicated that it was possible that ash from the incinerator was taken to one of the other incinerator locations, possibly Cedar Grove. Mr. Malloy suggested that ECM contact Roy Lee Davis, who worked at the Ash Mountain Corrals, which are adjacent to the former incinerator.

Grant Grove burn dump site

Mr. Malloy did not have any additional information regarding the Grant Grove site #38.

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Telecon Notes

Contract No. P13PX01020	Date: November 19, 2013	Time: 10:00 AM
Site: Sequoia and Kings Canyon National Park (SEKI) Grant Grove SWMU #38 and Ash Mountain SWMU #2		
Between: Jack Fiscus	Organization: former SEKI employee (1967 to 2009)	Phone: 559-561-4237
And: Holly A. Trejo, P.G., ECM		

Discussion:

Ash Mountain incinerator and ash burial pit

Mr. Fiscus explained that he worked at the Ash Mountain, Grant Grove and Lodge Pole areas of SEKI beginning August 1, 1967. Mr. Fiscus' duties involved a variety of maintenance tasks in the park. By the time Mr. Fiscus began employment, the Ash Mountain incinerator was no longer in use. He recalls that the Cedar Grove and Lodge Pole incinerators were being used for waste disposal at the park. Mr. Fiscus stated that he never saw any indication of an ash burial pit that could have been associated with the incinerator and he does not believe the park staff buried the ash from the incinerator near the site.

In the late 1970's, Mr. Fiscus helped to install a metal building immediately across the access road from the incinerator platform. This location had been indicated by others as a possible location of Ash Mountain #2, however, Mr. Fiscus said that he would not have built the metal building foundation on an ash pit and there was no sign of an ash or burn material at that location. When asked where he suspected the ash from the incinerator to have been placed, he said that he never heard about it, but suggested that ECM contact Mr. LeRoy Malloy, another former employee of SEKI.

Grant Grove burn dump site

Mr. Fiscus confirmed that the park used the Grant Grove area for burning green waste, but he did not often work in that part of the park.

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Personal Interview Notes

Contract No. P13PX01020	Date: December 10, 2013	Time: 10:00 AM
Site: Sequoia and Kings Canyon National Park (SEKI) Grant Grove SWMU #38 and Ash Mountain SWMU #2		
Between: Dennis Rhodes	Organization: Johnson Drilling Co. of Reedley, CA owner (1975 to present)	Phone: 559-787-2888
And: Holly A. Trejo, P.G., ECM		

Discussion:
ECM contacted Johnson Drilling to learn about the general depth of wells in the Wilsonia and SEKI area. Mr. Rhodes said that his company is the primary drilling company to install wells in the area. He said that older, hand-dug wells exist in the area and some older wells were installed by cable tool rigs, which could only drill down to the top of bedrock. Using this method, groundwater was accessed in shallow fractures or in the weathered overburden above bedrock. It is typical to reach shallow water between 20 to 60 feet below ground surface (bgs).

Currently, wells are drilled using casing-hammer method drilling, in which wells are drilled to a minimum depth of 100 feet bgs. Using this method, wells are cased with PVC in the weathered overburden with an open hole in bedrock. Some wells are drilled deeper than 100 feet bgs when fractures are not encountered in the first 100 feet. In these cases wells may extend over 200 feet, or until a water-bearing fracture is encountered. Drinking water wells are no longer constructed in the overburden water due to septic systems nearby.

Mr. Rhodes explained that older shallow wells are not being used by Wilsonia residents for drinking water as they are typically too close to septic systems. Water from these older shallow wells is used for irrigation and other household uses.

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Telecon Notes

Contract No. P13PX01020	Date: January 22, 2014	Time: 10:00 AM
Site: Sequoia and Kings Canyon National Park (SEKI) Ash Mountain SWMU #2		
Between: Gary Bornholdt	Organization: former SEKI employee (1994 to 2004)	Phone: 559-799-2384
And: Holly A. Trejo, P.G., ECM		

Discussion:

Ash Mountain incinerator and ash burial pit

Mr. Bornholdt was the SEKI Safety Officer from 1994 to 2004, when the Department of Toxic Substances Control (DTSC) first began to inspect sites at the park. Previously, he worked at SEKI in maintenance at SEKI. He said, "DTSC inspectors were often inexperienced and did not properly document sites." Mr. Bornholdt recalled the site visits documented in the 1997 RCRA Facility Assessment. Mr. Bornholdt says he did not tell the inspector that the Ash Mountain incinerator had an ash burial pit, during that visit. Furthermore, as an employee of SEKI, Mr. Bornholdt had never heard of there being an ash burial pit, nor had he ever seen indication that one existed.

During his time as Safety Officer, one of Mr. Bornholdt's jobs was to identify all hazardous materials or waste-impacted areas in the park. He fulfilled DTSC's rigorous requirements to remediate and close many of the sites at the park. At the time of his employment and currently, he does not believe an ash burial pit exists near the former incinerator.

Appendix F
Ash Mountain SWMU #2 and
Grant Grove SWMU #38
EDR Reports

RCRA FACILITY ASSESSMENT

U.S. Department of The Interior
National Park Service
Sequoia and Kings Canyon National Parks
EPA I.D. No. CA 6141790083

Prepared By:

Donald Shaulis
Hazardous Substances Scientist
California Department of Toxic Substances Control
10151 Croydon Way
Sacramento, California 95827

August 1997

DS.ja/bdi
DS30.076/m/c

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Executive Summary

The 1984 Resource Conservation and Recovery Act (RCRA) amendments provide authority for the U.S. Environmental Protection Agency (EPA) to require comprehensive corrective action on Solid Waste Management Units (SWMUs) and other Areas of Concern (AOC) at facilities applying for a Part B permit and those with RCRA Interim Status. In order to accomplish this objective, a RCRA Facility Assessment (RFA) of Sequoia and Kings Canyon National Parks was conducted by the California Environmental Protection Agency Department of Toxic Substances Control (DTSC). This assessment consisted of a Preliminary Review (PR) and a Visual Site Inspection (VSI).

This report is a summary of the PR and the VSI. The PR is based upon information found in files and reports at the DTSC including the facility operation plan, and documents provided by the National Park Service (NPS). The PR was followed by a VSI on June 17 and 18, 1996.

Sequoia National Park and Kings Canyon National Park (Parks) are located in the Sierra Nevada Mountains rising from the southeast portion of the San Joaquin Valley. The entrance to Kings Canyon is through Grant Grove which is approximately 60 miles east of Fresno on State Highway 180. The entrance to Sequoia is through Ash Mountain which is approximately 34 miles east of Visalia on State Highway 198. (Appendix III)

As areas rich both in natural beauty and natural resources, these areas received early attention from hikers, miners, cattle ranchers, and loggers.

Sequoia became the second National Park when it was created on September 25, 1890. A week later Congress tripled its size and created General Grant National Park to protect Grant Grove. In 1940 General Grant National Park was merged into the newly-created Kings Canyon National Park. In 1978 Mineral King was added to Sequoia. Since 1943, Sequoia and Kings Canyon have been managed jointly.

The parks were issued a Hazardous Waste Facility Permit on February 2, 1984 (EPA I.D. No. CA 6141790083). The permit authorized storage of hazardous waste in containers at Ash Mountain and storage of waste oil in two 500-gallon underground tanks. One tank was at Ash Mountain and one tank was at Grant Grove. The permit expired on February 2, 1989. The parks did not file a permit renewal application. The parks subsequently closed the units under U.S. EPA and DTSC oversight.

The parks are currently operating as generators of hazardous waste. Hazardous waste is not stored for more than ninety days. There is no treatment of hazardous waste at the parks. Hazardous waste is generated from vehicle and building maintenance. Hazardous wastes generated include oil, vehicle batteries, dry-cell batteries, degreasing solvents, paint and paint solvents. Waste oil is transported off site every ninety days or less under contract by a certified hazardous waste transporter. Other hazardous waste is disposed of through a government-wide hazardous waste disposal contract managed by the General Services Administration.

RCRA Facility Assessment

U.S. Department of the Interior
National Park Service
Sequoia and Kings Canyon National Parks

1.0 Introduction

The 1984 Resource Conservation and Recovery Act (RCRA) amendments provide authority for the U.S. Environmental Protection Agency (EPA) to require comprehensive corrective action on Solid Waste Management Units (SWMUs) and other Areas of Concern (AOC) at facilities applying for a Part B permit and those with RCRA Interim Status. In order to accomplish this objective, a RCRA Facility Assessment (RFA) of Sequoia and Kings Canyon National Parks was conducted by the California Environmental Protection Agency Department of Toxic Substances Control (DTSC). This assessment consisted of a Preliminary Review (PR) and a Visual Site Inspection (VSI).

This report is a summary of the PR and the VSI. The PR is based upon information found in files and reports at the DTSC including the facility operation plan, and documents provided by the National Park Service (NPS). The PR was followed by a VSI on June 17 and 18, 1996.

2.0 Site Description

2.1 Location

Sequoia National Park and Kings Canyon National Park (Parks) are located in the Sierra Nevada Mountains rising from the southeast portion of the San Joaquin Valley. The entrance to Kings Canyon is through Grant Grove which is approximately 60 miles east of Fresno on State Highway 180. The entrance to Sequoia is through Ash Mountain which is approximately 34 miles east of Visalia on State Highway 198. (Appendix III)

Ash Mountain is approximately eight miles east of the town of Three Rivers and it is at an elevation of 1700 feet. Facilities at Ash Mountain include maintenance buildings as well as administrative offices for both Sequoia and Kings Canyon.

Grant Grove is located at an elevation of 6590 feet. Maintenance and visitor facilities are located at Grant Grove including campgrounds, a visitor center, lodge, and store.

Lodgepole is located on the General's Highway approximately 27 miles from the Grant Grove entrance and 20 miles from the Ash Mountain entrance. Lodgepole is located at an elevation of 6720 feet. Campgrounds, a visitor center, a gas station, and a maintenance shop are located at Lodgepole.

Cedar Grove is located in Kings Canyon thirty-four miles east of Grant Grove on state Highway 180. Cedar Grove is located at an elevation of 4635 feet. Campgrounds, a store, a lodge, a gas station, and a maintenance shop are located at Cedar Grove.

2.2 Site History

As areas rich both in natural beauty and natural resources, these areas received early attention from hikers, miners, cattle ranchers, and loggers. In 1873, mining began in the Mineral King area. A road was constructed into the area in 1879. In 1860 a road was constructed into Grant Grove. Also in 1860, cattle ranchers started using parts of Sequoia for summer pasture.

Sequoia became the second National Park when it was created on September 25, 1890. A week later Congress tripled its size and created General Grant National Park to protect Grant Grove. In 1893 a Sierra Forest Reserve was created to protect more lands, and in 1926 Kern Canyon was added to Sequoia. In 1940 General Grant National Park was merged into the newly-created Kings Canyon National Park. In 1978 Mineral King was added to Sequoia. Since 1943, Sequoia and Kings Canyon have been managed jointly.

2.3 Facility Permitting History

The parks were issued a Hazardous Waste Facility Permit on February 2, 1984 (EPA I.D. No. CA 6141790083). The permit authorized storage of hazardous waste in containers at Ash Mountain and storage of waste oil in two 500-gallon underground tanks. One tank was at Ash Mountain and one tank was at Grant Grove. The permit expired on February 2, 1989. The parks did not file a permit renewal application and did not close the units.

The U.S. Environmental Protection Agency (EPA) Region 9 issued the parks a Notice of Noncompliance on September 27, 1990. The parks started closure procedures for the container storage area with EPA as the lead agency. EPA accepted clean closure certification for the container storage area on April 22, 1994. The Department of Toxic Substances Control (DTSC) accepted clean closure certification of the container storage area on June 27, 1994.

EPA did not address the two waste oil tanks in the Notice of Noncompliance because the units were not RCRA units. The parks closed the two tanks in August 1994 under supervision of the Tulare County Department of Health Services and submitted closure certification reports to DTSC on November 16, 1995. The Closure Certifications were inadequate and were rejected by DTSC in a letter dated December 21, 1995. Additional confirmation sampling was conducted on June 17, 1996. Mr. Donald Shaulis of DTSC was present to observe the sampling. DTSC accepted closure certification for these tanks on June 25, 1997.

2.4 Current Waste Management Activities

The parks are currently operating as generators of hazardous waste. Hazardous waste is not stored for more than ninety days. There is no treatment of hazardous waste at the parks. Hazardous waste is generated from vehicle and building maintenance. Hazardous wastes generated include oil, vehicle batteries, dry-cell batteries, degreasing solvents, paint and paint solvents. Waste oil is transported off site every ninety days or less under contract by a certified hazardous waste transporter. Other hazardous waste is disposed of through a government-wide hazardous waste disposal contract managed by the General Services Administration.

Nonhazardous waste generated at the parks is mostly domestic waste generated by visitors and park employees. This waste is transported offsite, by contractors, to permitted Class 3 landfills.

The parks employ specific procedures to minimize the amount of hazardous waste generated. For pesticide usage the parks follow publication "NPS-77 Natural Resources Management Guideline," Chapter 2 Part IV Integrated Pest Management Program Operations. This guideline utilizes pesticides as a last option. Mechanical or habit control are used as preferential options. If they fail and the parks wish to use a pesticide, the parks must fill out request and submit it to the Regional Office.

If the request is approved, the parks will only be authorized to purchase the amount needed for that specific application. Rinsate from containers and sprayers is applied to the area receiving the pesticide treatment.

2.5 Past Waste Management Activities

The parks previously stored hazardous waste in containers and underground tanks. These units are described in Section 4.1.

The parks have previously operated a burn pit for domestic waste, incinerators for domestic waste, and landfills for domestic waste and incinerator ash. These units are described in Sections 4.2 and 4.3. The

burn pit and incinerators were used to burn all types of domestic waste from campgrounds and park residences. Bottles and cans were included in the waste burned and constitute a large percentage of the residual left after burning. In the 1920's and 1930's buildings were maintained in a very rustic manner so there was little painting. In later years it is possible that some paint cans were burned.

3.0 Environmental Setting

There are great variations in elevation, climate, and habitat in the parks. Elevation is the primary factor in determining local climate and habitat. Elevation in the parks ranges from about 1,500 feet to Mount Whitney with an elevation of 14,495 feet. Mount Whitney is the highest peak in the United States excluding Alaska. Based on elevation, the parks can be divided into three general areas.

The lower elevations (1,500 - 4,000 feet) are characterized by canyons and mountain slopes. The summers are hot and dry. The winters are usually free of snow. Winter rain occurs in moderate amounts. The Ash Mountain (1,700 feet) location is typical of the lower elevation.

The middle elevations (4,000 - 9,000 feet) are characterized by mountain slopes and valleys. These areas are cooler and receive more precipitation. Winter snow can sometimes reach 15 feet in depth. Habitats in the middle elevations range from meadows to forests of fir, pine, cedar, and giant sequoias. Cedar Grove (4,635 feet), Grant Grove (6,590 feet) and Lodgepole (6,800 feet) are located at middle elevations.

The high country (9,000 - 14,000 feet) is characterized by lakes, meadows, some fairly open forest and miles of relatively bare granite. The areas are cooler with more precipitation and severe winters. There are no known Solid Waste Management Units in the higher elevations.

4.0 Closed or Inactive Solid Waste Management Units

4.1 Hazardous Waste Storage Units

The parks were issued a Hazardous Waste Facility Permit on February 2, 1984. The Permit expired on February 2, 1989. The Permit authorized storage of hazardous waste in containers at Ash Mountain and storage of waste oil in two 500-gallon underground tanks. One tank was located at Ash Mountain and one tank was located at Grant Grove.

4.1.1 Container Storage Area (Ash Mountain)

The container storage area at Ash Mountain was a bermed concrete pad measuring 10 feet by 20 feet. The berm was approximately 8 inches in height. There was a roof over the pad but there were no side walls. The pad was first used to store hazardous waste in 1970. The pad was taken out of service in 1990. The pad was decontaminated on in April 1991. U.S. EPA Region 9 accepted clean closure certification on April 22, 1994. DTSC accepted clean closure certification on June 27, 1994.

The pad is currently used as a staging area for personnel and equipment for trail maintenance. The nearest potable well is approximately 2-1/2 miles away. Sycamore Creek, the nearest surface water, is approximately 1/2 mile away.

4.1.2 Underground Waste Oil Storage Tank (Ash Mountain)

This tank was installed in 1965 (estimate). The tank was steel with an asphalt coating on the exterior. This tank was located behind the auto shop on the east end of the south maintenance building. The tank was located at the top of a steep slope leading to the middle fork of the Kaweah River approximately 1500 feet away. There is approximately 160 feet of vertical drop from the tank to the Kaweah River. The tank foundation was bedrock. The tank was used to store waste motor oil, Stoddard solvent, diesel fuel, and gasoline from the vehicle maintenance shop.

The nearest potable well is approximately 1/2 mile away. The middle fork of the Kaweah River is the nearest surface water.

The tank was taken out of service in October 1992, at which time an aboveground tank was placed into service. The tank was removed from the ground on August 25, 1994. DTSC accepted closure certification for this tank on June 25, 1997.

4.1.3 Underground Waste Oil Storage Tank (Grant Grove)

This tank was installed in 1967 (estimate). The tank was steel with an asphalt coating on the exterior. The tank was installed under the asphalt drive way/parking area behind the vehicle maintenance building at Grant Grove. The tank was used to store waste motor oil, Stoddard solvent, diesel fuel, and gasoline from the vehicle maintenance shop.

The nearest potable wells are located in Wilsonia, a private inholding. The nearest dwellings in Wilsonia are approximately 500 feet from the former tank site. The nearest surface water is Sequoia Creek which is approximately 1/2 mile away.

The tank was taken out of service in October 1992, at which time an aboveground tank was placed into service. The tank was removed from the ground on August 17, 1994. DTSC accepted closure certification for this tank on June 25, 1997.

4.1.4-4.1.6 Service Station Tanks

In the past, various concessioners have operated gasoline service stations within the parks. As part of the operations they managed waste oil tanks. The last concessioner to manage the waste oil tanks was Mt. Ranier Guest Services (MRGS). MRGS operated the tanks from 1972 until October 31, 1996 when management reverted to the NPS. Although the NPS assumed management of the tanks in 1996, the NPS always owned the tanks.

The gasoline service stations in the parks are currently out of service. The underground waste oil tanks and gasoline tanks will be removed under jurisdiction of Tulare County. New gasoline tanks will be installed at Lodgepole in late 1997 and the service station will resume operation under a new concessioner. The Grant Grove and Cedar Grove service stations will remain closed indefinitley.

4.1.4 Grant Grove Chevron Station Tank Number 2

The Grant Grove Chevron Station Tank Number 2 is a 500 gallon underground steel tank. The tank was used to hold waste oil until 1987 at which time the concessioner began using the tank to store diesel fuel for a power generator. The tank does not have secondary containment or leak detection. The age of the tank and corrosion protection method (if any) are not known.

The tank was operated under Tulare County permit number 49629000005. The tank was tested on May 8, 1996 and certified "tight." NPS plans to remove this tank, but has not established a completion date.

4.1.5 Grant Grove Chevron Station Tank Number 3

The Grant Grove Chevron Station Tank Number 3 is a 285 gallon underground steel tank. The tank was used to hold waste oil until 1987 at which time the concessioner began using the tank to store diesel fuel for a power generator. The tank does not have secondary containment or leak detection. The age of the tank and corrosion protection method (if any) are not known.

The tank was operated under Tulare County permit number 49629000001. The tank was tested on May 8, 1996 and certified "tight." NPS plans to remove this tank, but has not established a completion date.

4.1.6 Lodgepole Chevron Station Tank Number 5

The Lodgepole Chevron Station Tank Number 5 is a 1000 gallon underground steel tank. The tank was used to hold waste oil until 1987 at which time the concessioner began using the tank to store diesel fuel for a power generator. The tank does not have secondary containment or leak detection. The tank was installed in approximately 1970. The corrosion protection method (if any) is not known.

The tank was operated under Tulare County permit number 4992000002. The tank was tested on May 9, 1996 and certified "tight." NPS plans to remove this tank, in the second half of 1997.

4.2 Incinerators

The parks have previously used incinerators to burn all types of domestic waste from campgrounds and park residences. Bottles and cans were included in the waste burned and constitute a large percentage of the residual left after burning. In the 1920's and 1930's buildings were maintained in a very rustic manner so there was little painting. In later years it is possible that some paint cans were burned. The incinerators were not regulated by any state or local agency. The parks operated incinerators at four locations, Ash Mountain, Grant Grove, Cedar Grove, and Lodgepole.

4.2.1 Ash Mountain Incinerator

This incinerator was used to burn domestic waste from 1929 until 1965. In 1965, the parks began disposing of the waste off-site. The incinerator was dismantled in 1966 (estimate).

After the incinerator was dismantled the concrete foundation was converted into the hazardous waste container storage pad described in section 4.1.1. The ash from the incinerator was buried in a nearby pit (see Section 4.3.2). The pit and the incinerator were located adjacent to Sycamore Road between the Ash Mountain entrance and the Ash Mountain maintenance area.

The nearest potable well is approximately 2-1/2 miles away. Sycamore Creek, the nearest surface water, is approximately 1/2 mile away.

4.2.2 Grant Grove Incinerator

This incinerator was used to burn domestic waste from 1929 until 1965. In 1965, the parks began disposing of the waste at the Sierra Glen dump located in Sequoia National Forest. The incinerator was dismantled in 1975 (estimate). The ash from the incinerator was buried at Camp 19 or Woodard which were county authorized dumps in Sequoia National Forest. The dumps are now closed. There has been no soil or groundwater sampling in the area where the incinerator was located. Currently this area contains housing for park concession employees.

The nearest potable well is approximately one mile away. Wormwood Creek, the nearest surface water, is approximately 1/4 mile away.

4.2.3 Cedar Grove Incinerator

The Cedar Grove incinerator was used to burn domestic waste from 1960 until 1970. In 1970, the parks began disposing of the waste off-site. The incinerator was dismantled in 1976 (estimate). The ash from the incinerator was buried in the Cedar Grove burn pit (see Section 4.3.1). There has been no soil or groundwater sampling in the vicinity of the incinerator. The parks plan to build a sanitary sewage treatment plant at this location.

There are no potable water wells near this location. The nearest surface water is the south fork of the Kings River approximately 600 feet away.

4.2.4 Lodgepole Incinerator

The Lodgepole incinerator was used to burn domestic waste from 1931 until 1965. In 1965, the parks began disposing of the waste offsite. The incinerator was dismantled in 1975 (estimate). The ash from the incinerator was buried at Camp 19 or Woodard which were county authorized dumps in Sequoia National Forest. The dumps are now closed. There has been no soil or groundwater sampling in the vicinity of the incinerator. The area is currently open space.

The nearest potable well is approximately four miles away. Deer Creek, the nearest surface water, is approximately one mile away.

4.3 Burial and Burn Pits

The parks have operated burial and burn pits for domestic waste, incinerator ash, campfire ash, and open burning. The burn pits were not regulated by any state or local agency. The parks have operated pits at Cedar Grove and Ash Mountain.

4.3.1 Cedar Grove Burn Pit

The burn pit at Cedar Grove was used to burn domestic trash from the campgrounds and the operations in that area. The pit was used from the 1930's until 1960. In 1960 an incinerator was installed nearby and operated until 1970. Ash from the incinerator was also disposed of in this pit. The pit is approximately 112 feet by 40 feet by 12 feet deep. Part of the pit is covered and the remainder is exposed. This pit was not regulated by Tulare County or the Regional Water Quality Control Board and no soil or groundwater samples have been collected.

The parks plan to build a sanitary sewage treatment plant at this location. There are no potable water wells near this location. The nearest surface water is the south fork of the Kings River approximately 600 feet away.

4.3.2 Ash Mountain Burial Pit

This pit is located adjacent to Sycamore Road between the Ash Mountain entrance and the Ash Mountain Maintenance Area. This pit received ash from the Ash Mountain incinerator and campground fire pits. The pit was used from 1929 until 1966. The pit was approximately 100 feet by 100 feet by 20 feet deep.

The area is currently open space. The nearest potable well is approximately 2-1/2 miles away. Sycamore Creek, the nearest surface water, is approximately 1/2 mile away.

5.0 Operating Solid Waste Management Units

5.1 Waste Oil Tanks

The parks operate three aboveground tanks to accumulate waste oil from vehicle maintenance. The tanks are emptied at least once every ninety days. The tanks are double-wall steel and have a capacity of 250 gallons. The tanks were installed in October 1992, and have an Underwriters Laboratories (UL) rating. The tanks are located at Ash Mountain, Grant Grove, and Lodgepole.

In addition, a concessioner will operate one waste oil tank at the Lodgepole Chevron Station.

5.1.1 Ash Mountain Waste Oil Tank

This tank is located outside next to the Ash Mountain auto shop. The nearest potable well is approximately 1/2 mile away. The nearest surface water is the middle fork of the Kaweah River approximately 1,500 feet away.

5.1.2 Grant Grove Waste Oil Tank

This tank is located inside the Grant Grove equipment shop. The nearest potable well is located in Wilsonia, a private inholding. The nearest dwellings in Wilsonia are approximately 500 feet away. The nearest surface water is Sequoia Creek which is approximately 1/2 mile away.

5.1.3 Lodgepole Waste Oil Tank (Red Fir Maintenance Area)

This tank is located inside the Red Fir equipment shop. The nearest potable well is approximately 7 1/2 miles away. Clover Creek, the nearest surface water, is approximately 1-1/2 miles away.

5.1.4 Lodgepole Chevron Station Aboveground Tank

The Lodgepole Chevron station aboveground tank has a double-walled polyethylene construction and a 500 gallon capacity. It was installed in approximately 1987 and is used to store waste oil. The tank was operated by MRGS until October 31, 1996 when management reverted to the NPS. Future concessioners will operate the tank, but the NPS will retain ownership.

5.2 Satellite Accumulation Units

The parks accumulate containers of hazardous waste in prefabricated, portable metal buildings specifically designed to store hazardous materials. The units are weather tight and provide secondary containment. The parks operate satellite accumulation units at Grant Grove, Cedar Grove, and Lodgepole. A primary accumulation unit is located at Ash Mountain.

5.2.1 Ash Mountain Primary Accumulation Unit

The Ash Mountain accumulation unit is the primary accumulation unit for the parks. Waste generated in other areas of the parks is sent here for holding prior to shipment off site. The unit is located adjacent to the Ash Mountain auto shop at the Ash Mountain maintenance area. It has a capacity of twenty 55-gallon drums. This unit has a thermostat controlled vent fan. The nearest potable well is approximately 1/2 mile away. The nearest surface water is the middle fork of the Kaweah River approximately 1,500 feet away.

5.2.2 Grant Grove Satellite Accumulation Unit

The Grant Grove satellite accumulation unit is located near the Grant Grove maintenance building. It has a capacity of six 55-gallon drums. The nearest potable well is located in Wilsonia, a private inholding approximately 500 feet away. Sequoia Creek, the nearest surface water, is approximately 1/2 mile away.

5.2.3 Cedar Grove Satellite Accumulation Unit

The Cedar Grove Satellite Accumulation Unit is located adjacent to the Cedar Grove maintenance building. It has a capacity of four 55-gallon drums. There are no potable wells in the vicinity. The nearest surface water is the south fork of the Kings River approximately 1/2 mile away.

5.2.4 Lodgepole Satellite Accumulation Unit

The Lodgepole Satellite Accumulation Unit is located adjacent to the Red Fir maintenance building. It has a capacity of six 55-gallon drums. The nearest potable well is approximately 7-1/2 miles away. Clover Creek, the nearest surface water, is approximately 1-1/2 miles away.

6.0 Exposure Pathways and Human and Environmental Receptors

6.1 Surface Water

The Kaweah River and the Kings River are the two major surface water bodies that are in the drainage basin surrounding the SWMU's located in the parks. Sequoia Creek is a tributary to the Sequoia Lakes which discharge via Mill Flat Creek into the Kings River. Clover Creek is a tributary to the marble fork of the Kaweah River.

6.1.1 Kaweah River

The Kaweah River is a tributary of the Tule River. The Kaweah has peak seasonal flows of 9665 cubit foot per second (cfs) and low seasonal flows of 47 cfs. Fishing is permitted in the river. No listed threatened or endangered aquatic species would be potentially impacted. There are many locations where water is diverted and treated for drinking water.

6.1.2 Kings River

The Kings River is a tributary of the San Joaquin River. Peak and low seasonal flows measured at the Pine Flat reservoir are 21,715 cfs and 287 cfs respectively. These measurements were taken 40 miles downstream of the parks and would be lower at the park. Fishing is permitted in the river. No listed threatened or endangered aquatic species would be potentially impacted. There are many locations where water is diverted and treated for drinking water.

6.2 Groundwater

There are five potable wells in the parks. There are numerous springs of which four have been developed for drinking water.

The Ash Mountain well (#5410513) has a capacity of 35 gallons per minute. It is 255 feet deep and steel cased to 246 feet. It is sanitary sealed to fifty feet and perforated from 56-1/2 feet below ground surface.

6.3 Air

The parks are located within the San Joaquin Valley Air Basin.

6.4 Soil

Land use throughout the park is wilderness and/or recreational. Any area where waste was managed is associated with park operations and maintenance and is restricted from public access. All currently operating SWMU's (Section 5) are enclosed or in locations not frequented by wildlife.

7.0 Visual Site Inspection

7.1 Purpose of the VSI

The purpose of the VSI was to inspect and photograph SWMU's and AOC's and become familiar with the area surrounding each SWMU or AOC.

7.2 Summary of the VSI

The VSI was conducted on June 17 and 18, 1996. Persons present during the VSI were Mr. Donald Shaulis (Hazardous Substances Scientist - DTSC) and Mr. Gary Bornholdt (Park Safety Officer-NPS). The VSI was scheduled to coincide with confirmation sampling of the closure of the two underground waste oil storage tanks at Ash Mountain and Grant Grove (See Sections 4.1.2 and 4.1.3). Mr. Bill Rosica (Environmental Operations Manager for Lutrel Trucking and Environmental Services, Incorporated) conducted the confirmation sampling but was not present for the remainder of the VSI.

Due to the length of time required for confirmation sampling and to drive from Ash Mountain to Grant Grove, Cedar Grove was not included in the VSI. Photographs taken during the VSI are included in Appendix II.

8.0 Conclusions and Recommendations for Further Action

All previously permitted hazardous waste management units have been certified closed by EPA and/or DTSC. Three remaining underground waste oil storage tanks will be removed under authority of Tulare County.

Based on information available at the time this report was written, additional action is not required.

Appendix I

References:

Hazardous Waste Facility Permit issued February 2, 1984.

Records maintained at Sequoia and Kings Canyon National Parks.

Records maintained at the Department of Toxic Substances Control, Northern California Region, Sacramento and Clovis Offices.

Records provided by the United States Environmental Protection Agency, Region IX.

Information provided by Mount Ranier Guest Services.

Appendix II

Photographs from the Visual Site Inspection

(June 17 and 18, 1996)

DS.ja/bdi
DS30.076/m/c

Unit 4.1.1 (Unit 4.2.1) Pad near Ash Mountain - previous site of municipal waste incinerator and container storage

Unit 4.1.1 (Unit 4.2.1) Pad near Ash Mountain - view from below (note: black material is asphalt)

Unit 4.1.2 Underground Waste Oil Tank - Ash Mountain (tank has been removed)

Unit 4.1.2 Underground Waste Oil Tank - Ash Mountain (view from below - tank was located in the upper section of the fenced area)

Unit 4.1.3 Underground Waste Oil Tank - Grant Grove (tank has been removed)

Unit 4.1.3 Underground Waste Oil Tank - Grant Grove (location in maintenance building where oil drain sump was located)

Unit 4.3.1 Cedar Grove Burn Pit (photograph supplied by NPS)

Unit 4.3.1 Cedar Grove Burn Pit (photograph supplied by NPS)

Unit 4.3.2 Ash burial pit near Ash Mountain (received ash from Ash Mountain incinerator and campground fire pits)

Unit 5.1.1 Ash Mountain Waste Oil Tank

Unit 5.2.1 Ash Mountain Satellite Accumulation Unit

Unit 5.2.1 Ash Mountain Satellite Accumulation Unit

Unit 5.2.1 Ash Mountain Satellite Accumulation Unit (waste check-in procedures)

Unit 5.2.2 Grant Grove Satellite Accumulation Unit

Unit 5.2.2 Grant Grove Satellite Accumulation Unit

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
DEPARTMENT OF TOXIC SUBSTANCES CONTROL

RCRA FACILITY ASSESSMENT QUESTIONNAIRE

INSTRUCTIONS

Pursuant to Section 3007 of the Resource Conservation and Recovery Act (RCRA) as amended by the Hazardous and Solid Waste Amendments, and Section 25358.1 of the California Health and Safety Code (H&SC), the Department of Toxic Substances Control requests hazardous waste management facilities that are permitted or operating under Interim Status Documents to provide information in this RCRA Facility Assessment Questionnaire.

Any person handling hazardous waste who fails to provide information requested under the sections cited above within sixty (60) calendar days of the date of receipt of the questionnaire is in violation of hazardous waste laws and regulations and is therefore subject to enforcement actions under Section 3008 of RCRA, and Chapter 6.5, Article 8 of H&SC, and also subject to the revocation of denial (as applicable) of the state and federal hazardous waste facility permits.

All pertinent facility records must be reviewed and all available sources of information investigated in order to obtain the information requested in this questionnaire, including the personal recollection of longtime employees and past owners and operators.

Complete the questionnaire, add pages, and provide self contained documentation, photographs, and drawings as needed. Relevant definitions are provided at the end of the questionnaire.

---

1. Provide facility information as follows:

Facility Name: Sequoia and Kings Canyon National Parks
EPA ID. Number: CA
Location Address: 47050 Generals Highway
Mailing Address: Three Rivers, CA 93271

Name of Operator: As Above
Operator Address:

Name of Owner: As Above
Owner Address:

Name of Landowner: As Above
Landowner Address:

2. Are there or have there ever been any of the following solid waste management units (existing or closed) at your facility?
Note: Do not include waste management units currently shown in your most recent Part A or Part B permit applications.

	Yes	No
Landfill(s)		X
Surface Impoundment(s)		X
Land Farm(s)		X
Incinerator(s)	X	
Storage Tank(s) (above ground)	X	
Storage Tank(s) (below ground)	X	
Container Storage Area(s)	X	
Container Cleaning Areas or Units		X
Injection Well(s)	X	
Waste Water Treatment and Pre-Treatment Units	X	
Waste Treatment Units		X
Transfer Stations and Accumulation Areas		X
Waste Recycling Operations		X
Waste Piles		X
Process Collection Sumps, Collection Basins, etc.		X
Loading and Unloading Areas for Solid Wastes		X
Coupling and Decoupling Areas for Transfer of Solid Wastes		X
Air Emission Control By-product Accumulation Areas		X
Other Waste Handling Areas		X

3. If there are "Yes" answers to any of the questions in Number 2 above, please:

a. Provide a description of the wastes that were or are being stored, treated, disposed or otherwise handled in those units.

b. State whether or not the wastes would be considered hazardous and whether or not they contain hazardous constituents regardless of the dates in which the waste management occurred at the units.

c. Include any available data on types and quantities of wastes disposed of in the units, if any, and the dates of disposal.

d. Describe each unit and include information on its capacity, dimensions, and history of installation and modification in chronological order.

e. If the unit was closed under the oversight of a regulatory agency, submit a letter from that agency showing the acceptance of closure activities conducted.

f. If the unit was closed without regulatory agency oversight or approval, submit detailed procedures and activities conducted for clean closure of that unit.

g. Show the specific location of every unit at the facility on a topographic map.

h. Provide any other available information relative to each unit.

I. Include photographs of these units.

SEE ATTACHED AND ENCLOSED DOCUMENTATION

4. Are there or have there ever been any of the following installations for the handling, storage and management of hazardous materials at your facility?

	Yes	No
Underground Storage Tanks	X	
Above Ground Storage Tanks	X	
Container Storage Areas	X	
Accumulation Piles		X
Ponds (lined or unlined)		X
Process Sumps and Catch Basins		X
Loading and Unloading Areas		X
Manufacturing Units or Areas		X

5. If there are "Yes" answers to any of the items in Number 4 above, please:

a. Provide a description of each installation.

b. List all the hazardous materials ever handled at each unit.

c. Include information on its capacity, dimensions, and history of installation and modification in chronological order.

d. Show the specific location of every installation at the facility in a map.

e. If the unit was closed under the oversight of a regulatory agency, submit a letter from that agency showing the acceptance of closure activities conducted.

f. If the unit was closed without regulatory agency oversight or approval, submit detailed procedures and activities conducted for clean closure of that unit.

e. Provide any other available information relative to these units.

h. Include photographs of these units.

SEE ATTACHED AND ENCLOSED DOCUMENTATION

6. For the units noted in Number 2 and Number 4 above and also for those hazardous waste management units indicated in the Part A or Part B permit application, please provide data on any releases of hazardous materials, hazardous wastes, and hazardous constituents to the environment that have occurred in the past or that may still be occurring. A release is defined as any spilling, leaking, pouring, emitting, emptying, discharging, injecting, pumping, or disposing of hazardous waste, hazardous constituents or hazardous materials into the environment (including the abandonment of barrels, containers, and other closed receptacles containing hazardous wastes, hazardous constituents, or hazardous materials). (Environment includes air, soil, groundwater, surface waters, and subsurface gas.)

Please provide the following information:

a. Date and type of hazardous wastes, hazardous constituents, or hazardous materials release

b. Quantity or volume released

c. Describe nature of release (i.e., spills overflow, ruptured pipe or tank, etc.)

7. For releases listed and described under Number 6 above, provide (for each unit) any analytical data that may be available which would describe the composition, nature and extent of such releases.

8. Provide the dates and information on locations of other product spills, leaks, drippings and other releases which have occurred or are recurring at your facility and any cleanup operations which have occurred relative to these incidents, if any.

9. Provide details of any corrective actions or cleanup operations which were carried out or are in progress under the supervision of any federal, state, or local government agencies.

SIGNATURE AND CERTIFICATION

Submittal of this information must contain the certification below signed by the principal executive officer or by a duly authorized representative of that person. All pertinent facility records must be reviewed and all available sources of information investigated in order to obtain the requested information, including the personal recollection of longtime employees and past owners and operators.

A person handling hazardous waste who fails to provide information requested under Section 3007 of RCRA and H&SC Section 25358.1 and Chapter 6.5, Article 8 or H&SC is in full violation of the law and it is therefore subject to enforcement action under Section 3008 of RCRA, and subject to revocation of denial (as applicable) of its hazardous waste facility permit.

> *"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."*

Name of Operator: Michael Sorenson
Title: Environmental, Safety & Health Program Manager
Name of Company: Sequoia and Kings Canyon
Date: 12/12/2008National Parks Signature:

Name of Owner: US Government
Title:
Name of Company:
Date: Signature: _____

Name of Landowner: US Government
Title:
Name of Company:
Date: Signature: _____

DEFINITIONS

"Facility" means all contiguous land and structures, other appurtenances, and improvements on the land used for the treatment, transfer, storage, resource recovery, disposal, or recycling of hazardous waste. A hazardous waste facility may consist of one or more treatment, transfer, storage, resource recovery, disposal or recycling operational units or combinations of these units.

"Release" means any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing of hazardous waste (including hazardous constituents) into the environment (including the abandonment or discarding of barrels, containers, and other closed receptacles containing hazardous wastes or hazardous constituents).

"Solid Waste Management Unit" or "SWMU" means any unit at which a hazardous waste facility from which hazardous constituents might migrate, irrespective of whether the units were intended for the management of wastes, including but not limited to: container, tanks, surface impoundments, waste piles, land treatment units, landfills, incinerators and underground injection wells.

"Hazardous Waste" means a hazardous waste as defined in the California Code of Regulations (CCR), Title 22, Section 66261.3. Hazardous waste includes extremely hazardous waste, acutely hazardous waste, RCRA hazardous waste, non-RCRA hazardous waste, and special waste.

"Hazardous Constituent" means a constituent that caused the USEPA Administrator to list the hazardous waste in the Code of Federal Regulations (CFR), Title 40, Part 261, Subpart D, or a constituent listed in Table 1 of 40 CFR 261.24.

"Hazardous Material" means any material that, because of its quantity, concentration, or physical or chemical characteristics, poses a significant present or potential hazard to human health and safety or to the environment if released into the workplace or the environment. Hazardous materials include, but are not limited to, hazardous substances, hazardous waste, and any material which a handler or the administering agency has a reasonable basis for believing that it would be injurious to the health and safety of persons or harmful to the environment if released into the workplace or the environment.

"Solid Waste" means any discarded material of any form (e.g., liquid, semi-solid, solid, or gaseous) as defined in 22 CCR 66261.2.

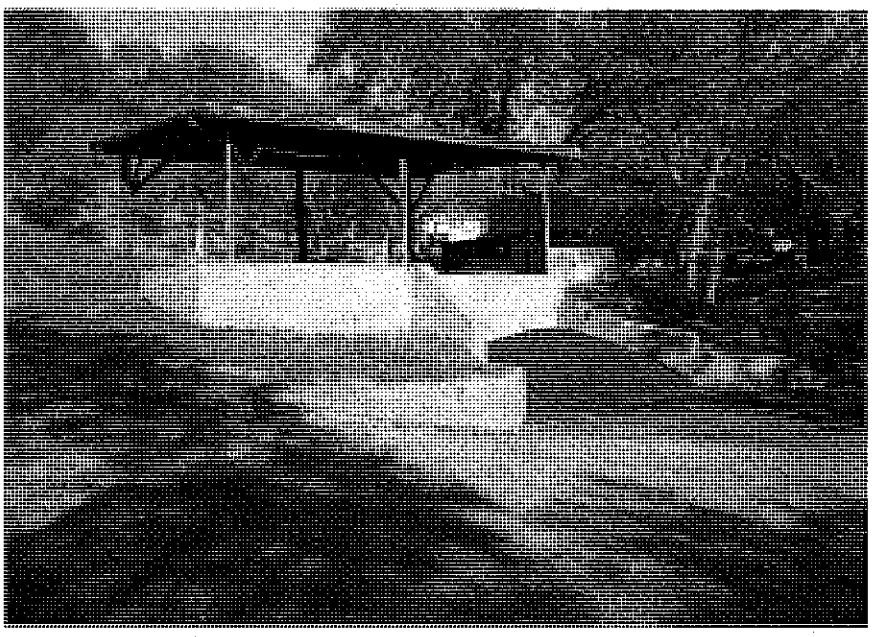
3. Incinerators

The Parks have previously used incinerators to burn all types of domestic waste from campgrounds and park residences. Bottles and cans were included in the waste burned and constitute a large percentage of the residual left after burning. In the 1920's and 1930's buildings were maintained in a very rustic manner so there was little painting. In later years it is possible that some paint cans were burned. The incinerators were not regulated by any state or local agency. The Parks discontinued the use of incinerators around 1965.

Ash Mountain Incinerator (1 map #1)

This incinerator was used to burn domestic waste from 1929 until 1965. In 1965, the Parks began disposing of the waste off-site. The incinerator was dismantled in 1966 (estimate).

After the incinerator was dismantled the concrete foundation was converted into the hazardous waste container storage pad (noted elsewhere in document). The ash from the incinerator was buried in a nearby pit. The pit and the incinerator were located adjacent to Sycamore Road between Ash Mountain entrance station and the Ash Mountain maintenance area.



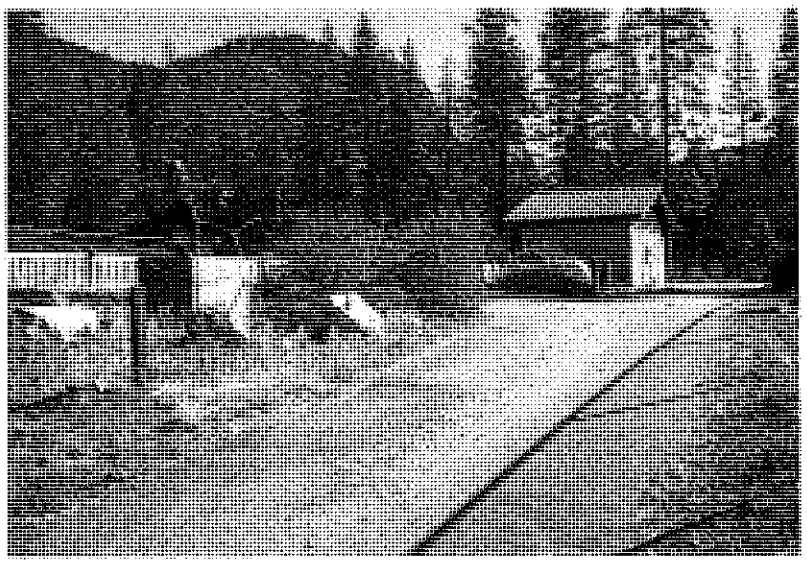
Grant Grove Incinerator (10 Map #2)

This incinerator was used to burn domestic waste from 1929 until 1965. There is some question if this was an actual constructed incinerator or more of an open burn area. Perhaps explaining why no residual footprint was found during site visit 10/2008. Archival records dated 4/26/1965 indicate that a project to construct an incinerator in Grant Grove was cancelled, because a study showed it was less expensive to truck garbage to area landfills. In 1965, the Parks began disposing of the waste at the Sierra Glen dump located in Sequoia National Forest. The incinerator was dismantled in 1975 (estimate). The ash from the incinerator was buried at Camp 19 or Woodard which were

county authorized dumps in Sequoia National Forest. The dumps are now closed. There has been no soil or groundwater sampling in the area where the incinerator was located.

Cedar Grove Incinerator (17 Map #3)

The Cedar Grove incinerator was used to burn domestic waste from 1960 until the late 1960s. In the late 1960s, the Parks began disposing of the waste off-site. The incinerator was dismantled in 1976 (estimate). The ash from the incinerator was buried in the Cedar Grove burn pit. There has been no soil or groundwater sampling in the vicinity for the incinerator. The Parks have built a sanitary sewage treatment plant at this location.



Lodgepole Incinerator (Kaweah) (22 Map #4)

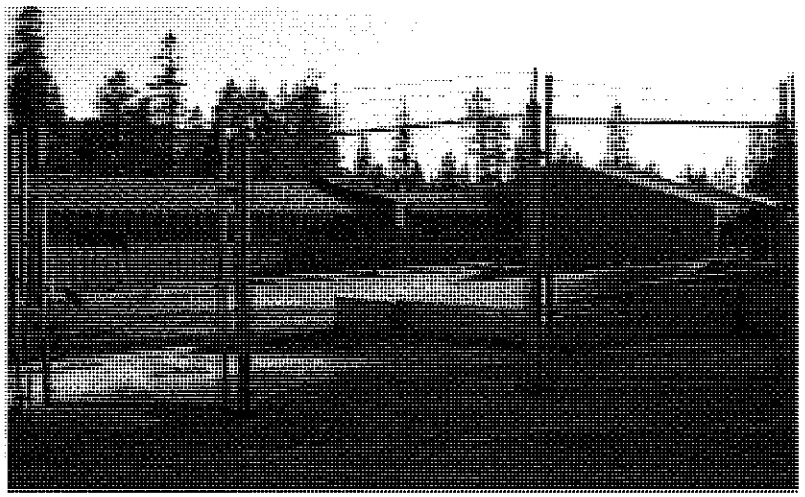
The Lodgepole Incinerator was used to burn domestic waste from 1931 until 1965. The structure was demolished in the 1990s. See enclosed documentation for this site.

Picture taken in 1989 prior to destruction.

Picture taken of site 12/8/2008.

Clover Creek Incinerator (31 Map #5)

The Clover Creek incinerator was used to burn domestic waste from 1960 (estimate) until the late 1960s. In the late 1960s, the Parks began disposing of the waste off-site. The incinerator was dismantled in 1976 (estimate). The Clover Creek Waste Water Treatment Plant was constructed on the site of the incinerator.

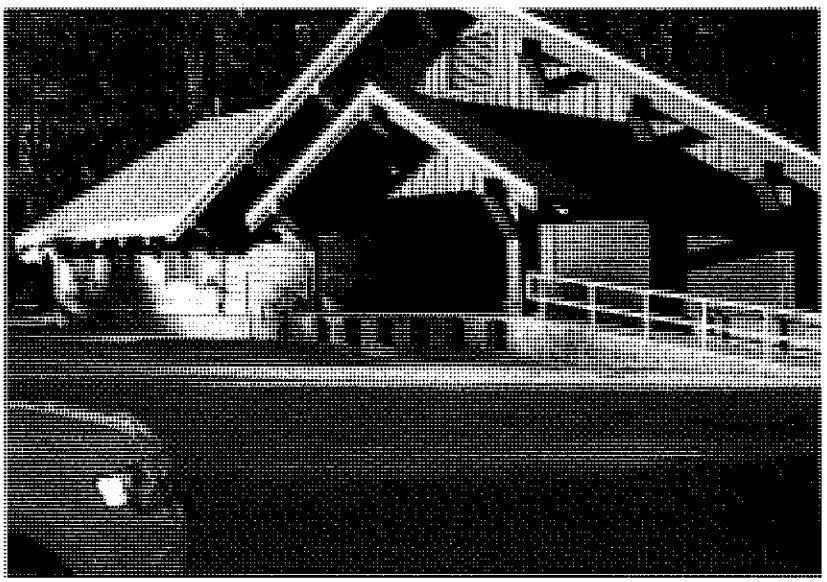


Burial and Burn Pits

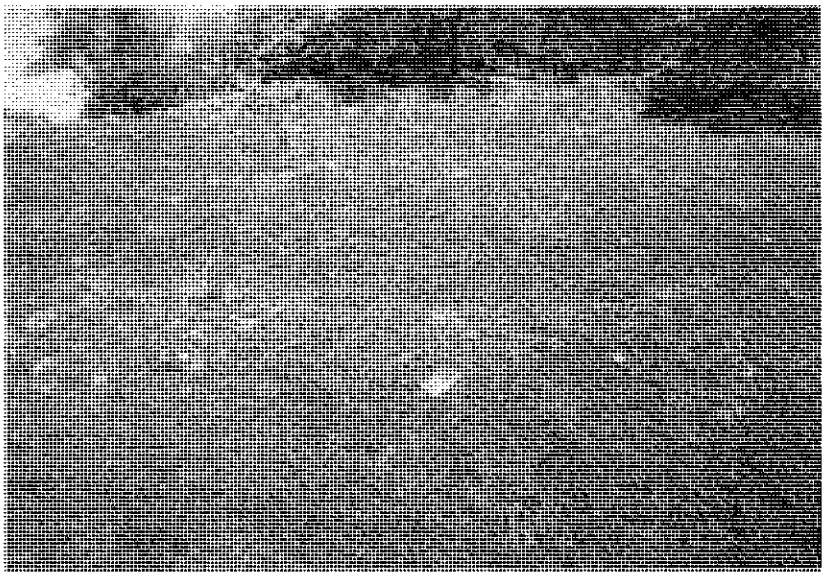
The Parks operated burial and burn pits for domestic waste, incinerator ash, campfire ash, and open burning as a common disposal method until the late 1960s. These pits were not regulated by any state or local agency.

The Cedar Grove burn pit **(18 Map #3)** was operated from the 1930s until 1960. In 1960, an incinerator was installed (see above). After the demolition of the incinerator a waste water treatment plan was constructed on the site.

The Wolverton burn pit **(32 Map #5)** (referred to as the Wolverton Incinerator in some documentation) was closed in the mid 1960s and a water treatment plant was constructed on the site.



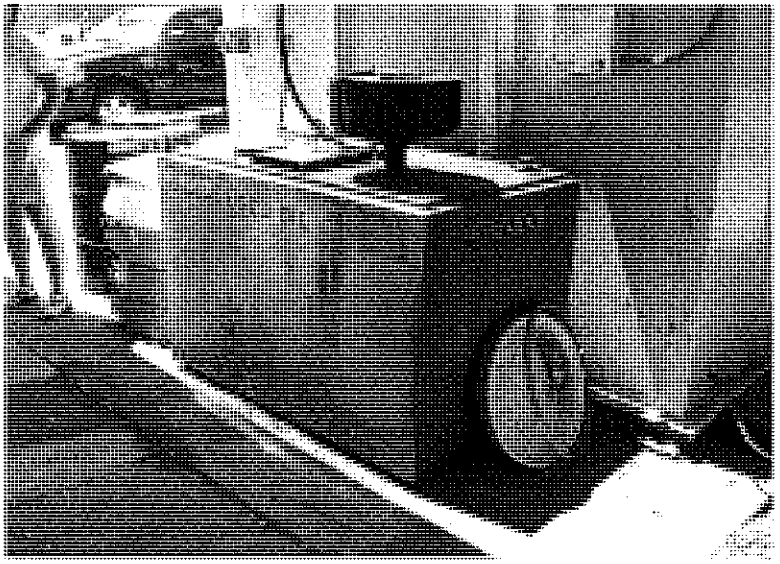
The Ash Mountain burial pit **(2 Map #1)** was located adjacent to the Sycamore Road between the Ash Mountain entrance station and the Ash Mountain maintenance area. This pit received ash from the Ash Mountain incinerator and campground fir pits. The pit was used from 1929 until 1966. The pit was approximately 100 feet by 100 feet by 20 feet deep.



3. Storage Tanks (above ground)

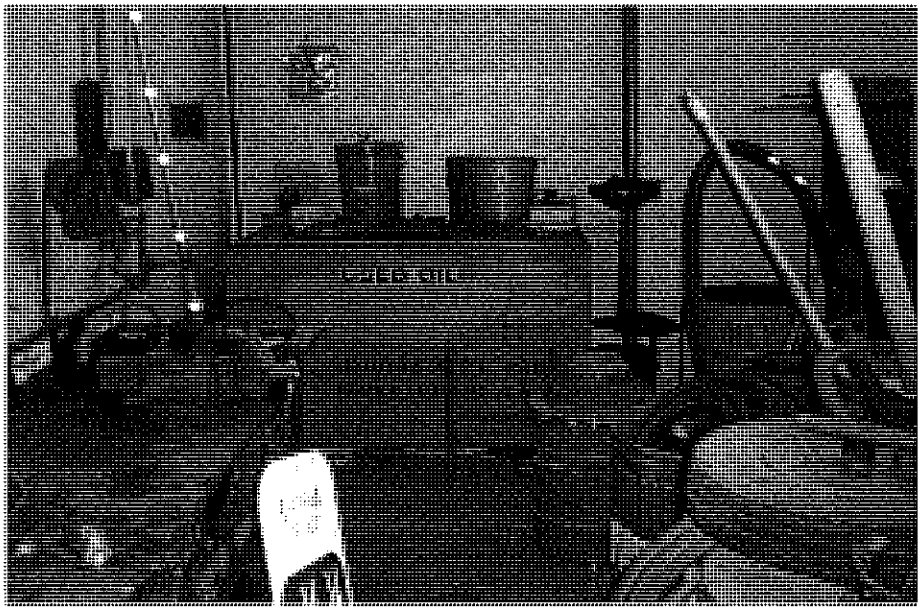
Ash Mountain Used Oil Tank (3 Map #1)

Installed in October 1992. Steel double walled 250 gallon AST storing used oil. Located outside the east end door of the Ash Mountain auto shop.



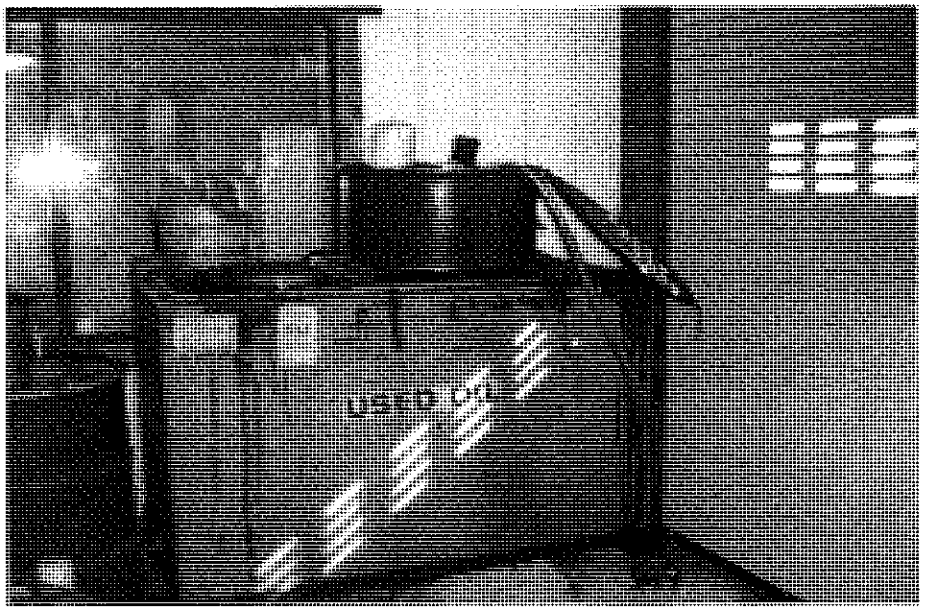
Red Fir Used Oil AST (30 Map #4)

Installed in September 2006. Steel double walled 250 gallon AST storing used oil. Located in the lower level maintenance building at Red Fir.



Grant Grove Used Oil Tank (11 Map #2)

Installed in October 1992. Steel double walled 250 gallon AST storing used oil. Located in Grant Grove Maintenance Building – Auto Shop.



3. Storage Tanks (below ground)

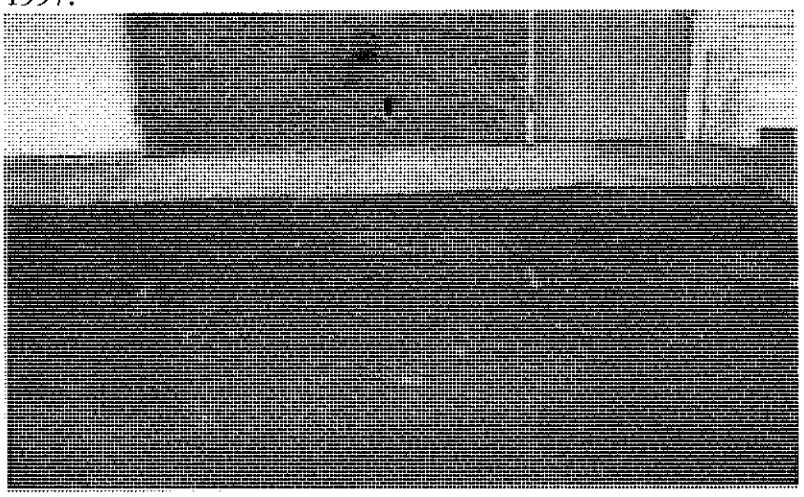
Ash Mountain Waste Oil UST (4 Map #1)

Installed 1965 (estimate). The tank was steel with an asphalt coating. The tank was located behind the auto shop on the east end of the south maintenance building. The tank was replaced with a smaller above ground tank in October 1992. The tank was removed in August 1994. DTSC accepted closure certification for this tank June 25, 1997.

Grant Grove Waste Oil UST (12 Map #2)

Installed 1967 (estimate). The tank was steel with an asphalt coating. The tank was located under the driveway/parking lot area behind the vehicle maintenance building at Grant Grove.

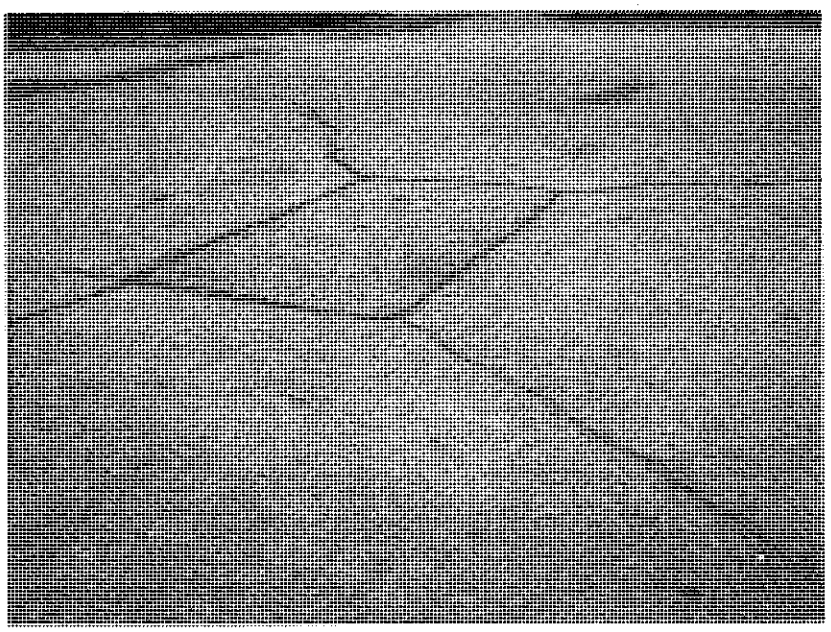
The tank was replaced with a smaller above ground tank in October 1992. The tank was removed in August 1994. DTSC accepted closure certification for this tank June 25, 1997.



Red Fir Waste Oil UST (23 Map #4)

Installed December 1988. The tank was steel with an asphalt coating. The tank was located under the driveway/parking lot area adjacent to the lower level maintenance building in Red Fir.

The tank was replaced with a smaller above ground tank in October 2006. The tank was removed in October 2006. Tulare County Health and Human Services Agency accepted closure certification for this tank October 9, 2006 (see enclosed document).

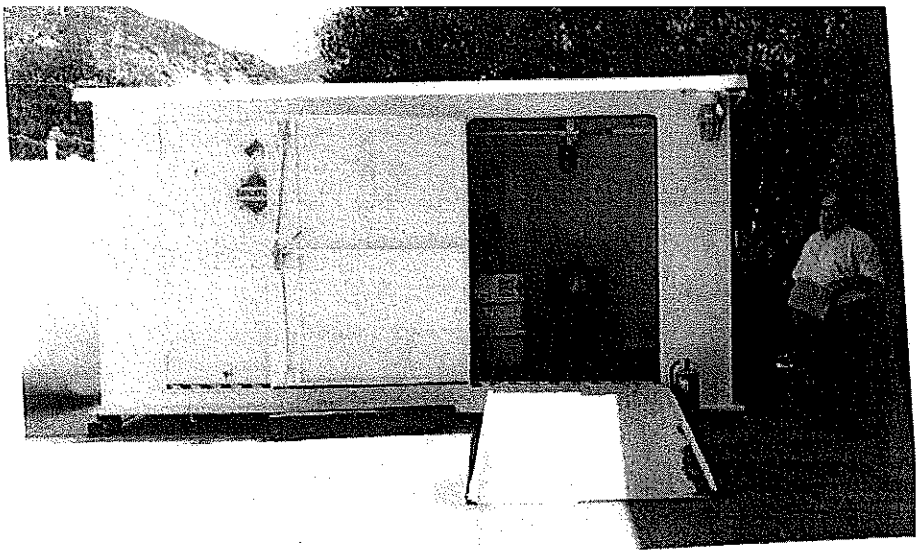


3. Container Storage Areas

Sequoia and Kings Canyon National Parks is a small quantity generator (CA 6141790083). We have one primary accumulation area (Container Storage Area) and three satellite accumulation areas. Our typical waste streams include Universal waste batteries and fluorescent light bulbs, 1lbs. propane canisters discarded by campers (our largest stream), illegal marijuana garden clean-up waste (usually fertilizer and some weed killer), incidental old equipment (e.g. chainsaw, weed-eater) fuel, incident spill clean-up absorbent from auto accidents and vehicle maintenance in the auto shop.

Ash Mountain Primary Accumulation Area (5 Map #1)

Waste generated in other areas of the parks is sent here for holding prior to shipment off site. The unit is located adjacent to the Ash Mountain auto shop in the Ash Mountain maintenance area. It has a capacity of twenty 55-gallon drums. The unit has a thermostat controlled vent fan.

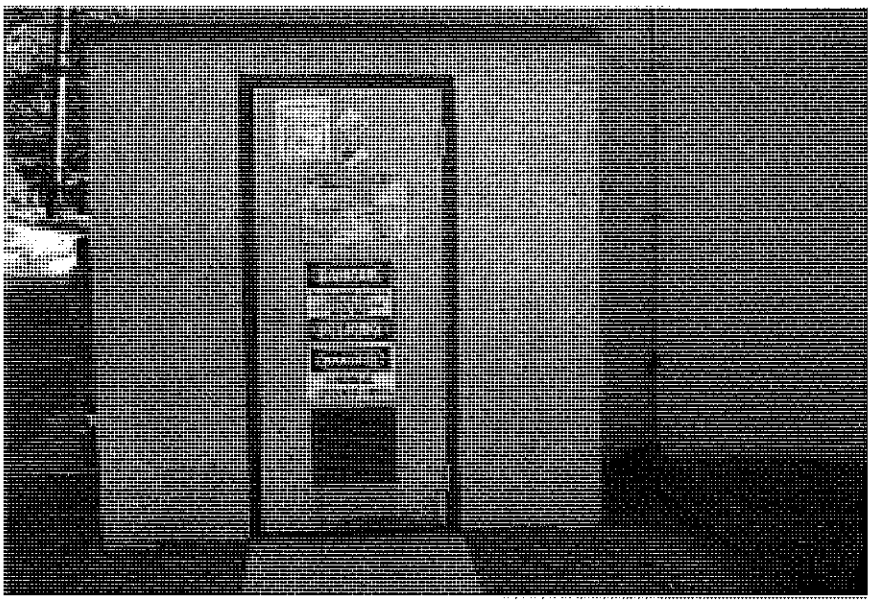


Grant Grove Satellite Accumulation Unit (13 Map #2)

The Grant Grove satellite accumulation unit is located across the driveway from the southwest corner of the Grant Grove maintenance building. It has a capacity of six 55-gallon drums.

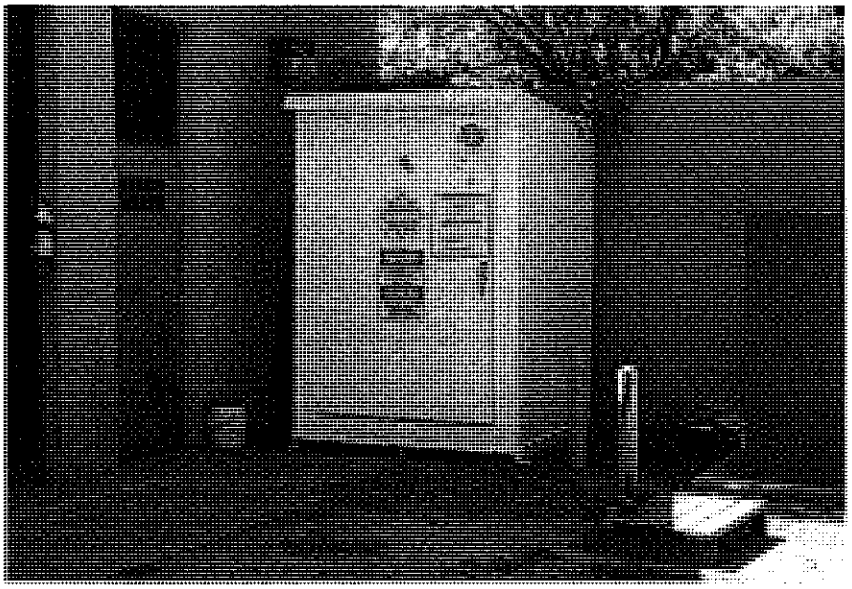
Cedar Grove Satellite Accumulation Unit (19 Map #3)

The Cedar Grove satellite accumulation unit is located at the west end of the Cedar Grove maintenance building. It is a constructed addition to the building with a raised threshold for spill containment.



Red Fir Satellite Accumulation Unit (24 Map #4)

The Red Fir (Lodgepole) satellite accumulation unit is located at the east corner of the Red Fir upper maintenance building. It has a capacity of six 55-gallon drums.



3. Injection Wells

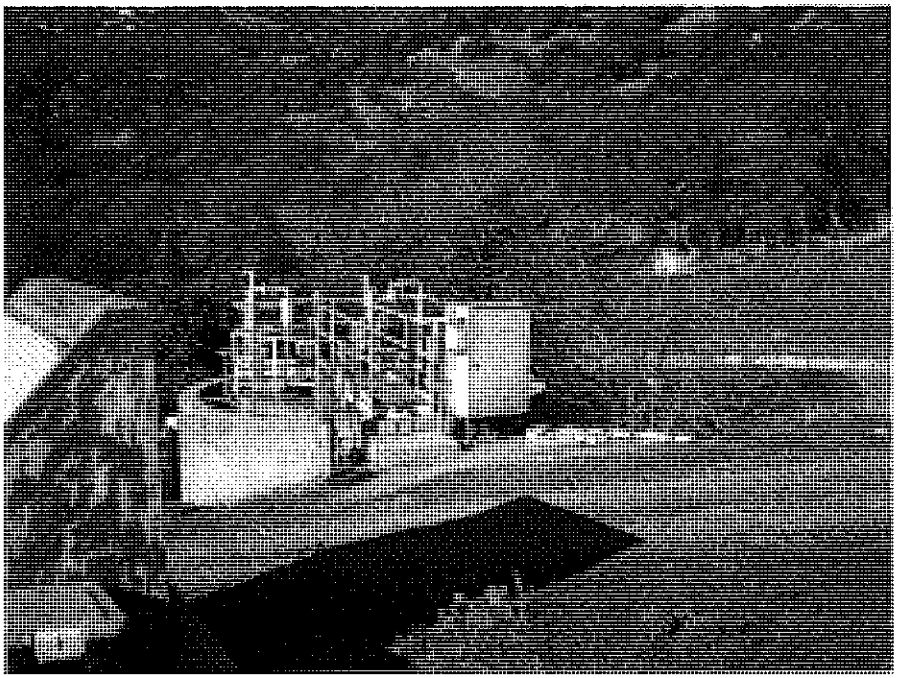
All injection wells in the Parks are Class V injection wells connected with local septic systems and are covered under California Regional Water Quality Control Board Permit #97-10-DWQ-R5022.

System Description	Latitude/Longitude	Date of Installation	Date of Major Rehabilitation	Number of Sites/Facilities Served	Capacity Gallons	Estimated Flows Gallons /Day	Setbacks from surface water, ground water, wetlands
Buckeye Campground	36°31'20"N 118°45'46"W	1960	N/A	30 Sites	4000	500	300'
Hospital Rock Picnic Area	36°31'14"N 118°46'16"W	1960	N/A	1 Picnic Area	4000	1000	500'
Potwisha (upper)	36°31'3"N 118°47'56"W	1961	N/A	25 Sites	4000	1000	1000'
Potwisha (lower)	36°31'2"N 118°47'58"W	1961	N/A	35 Sites	4000	1000	500'
Potwisha Dumpstation	36°30'55"N 118°47'58"W	1961	N/A	1	4000	250	650'
Big Stump Picnic Area	36°43'15"N 118°58'10"W	1957	2000/01	1 Picnic Area	5000	1300	2000'
Lost Grove	36°39'4"N 118°49'36"W	1958	N/A	1 Parking Lot	4000	300	500'
Moro Rock	36°32'49"N 118°45'53"W	1963	1997	1 Parking Lot	4000	1000	250'
Crescent Meadow	36°33'18"N 118°44'51"W	1963	N/A	1 Parking Lot	4000	1000	200'
Crystal Cave Parking Lot	36°35'8"N 118°49'35"W	1963	N/A	1 Parking Lot	4000	4000	2000'
Dorst Dump Station	36°38'14"N 118°48'25"W	1956	1999	1	4000	500	110'
Dorst Campground (A Loop)	36°38'15"N 118°48'29"W	1956	N/A	30 Sites	4000	1000	350'
Dorst Campground (B Loop)	36°38'11"N 118°48'27"W	1956	N/A	30 Sites	4000	1000	125'
Dorst Campground (C Loop)	36°38'7"N 118°48'39"W	1956	N/A	30 Sites	4000	1000	250'
Dorst Campground (D Loop)	36°38'4"N 118°48'37"W	1956	N/A	30 Sites	4000	1000	650'
Dorst Campground (E Loop)	36°38'3"N 118°48'33"W	1956	N/A	30 Sites	4000	1000	500'
Dorst Campground (F Loop)	36°38'8"N 118°48'44"W	1956	N/A	30 Sites	4000	1000	600'
Dorst Campground (G Loop)	36°38'1"N 118°48'49"W	1956	1998	30 Sites	4000	1000	450'
Dorst Campground (G Loop)	36°37'59"N 118°48'53"W	1956	1998	30 Sites	4000	1000	175'
Dorst Campground (H Loop)	36°37'55"N 118°48'48"W	1956	1999	30 Sites	4000	1000	300'
Dorst Campground (Group Site)	36°38'3"N 118°48'57"W	1956	1999	1 Group Site	4000	250	150'
Dorst Campground (Group Site)	36°38'6"N 118°48'55"W	1956	1999	1 Group Site	4000	250	180'
Lodgepole Dumpstation	36°36'17"N 118°43'30"W	1989	N/A	1	4000	500	500'
Giant Forest	36°33'48"N 118°46'19"W	1998	N/A	2 Parking Lots	8000	5000	1000'
Wolverton Trailhead	36°35'47"N 118°44'00"W	1958	N/A	1 Parking Lot	4000	500	500'
Wolverton Parking Lot	36°35'45"N 118°44'5"W	1958	N/A	1 Parking Lot	4000	500	250'

3. Waste Water Treatment Units

Ash Mountain Waste Water Treatment Unit (6 Map #1)

Sewage treatment
Constructed – 1935
Capacity -- 17,000 GPD
Currently operating

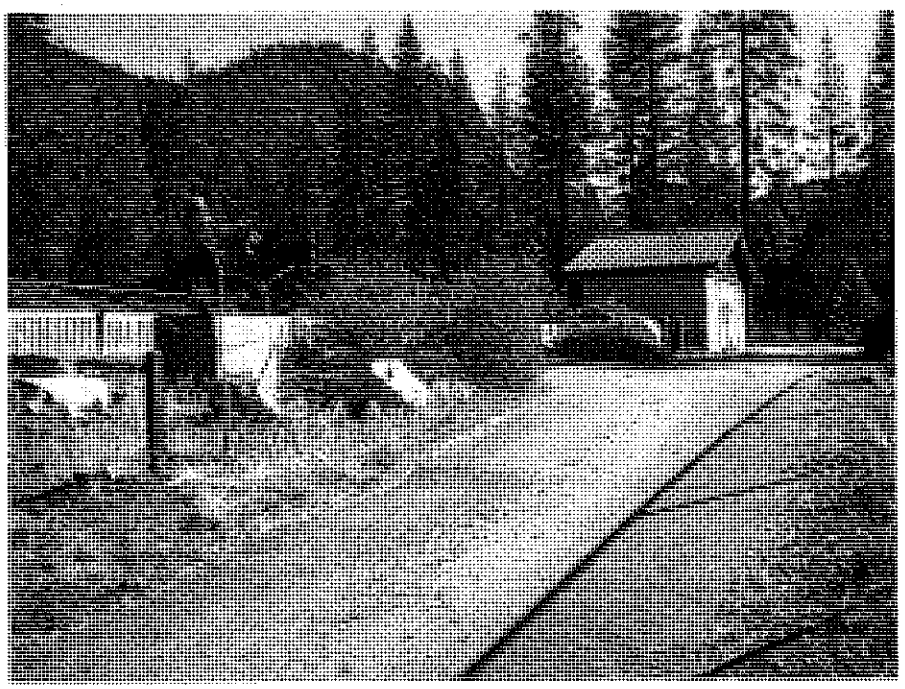


Grant Grove Waste Water Treatment Unit (14 Map #2)

Sewage treatment
Constructed – 1940
Capacity -- 65,000
Currently operating

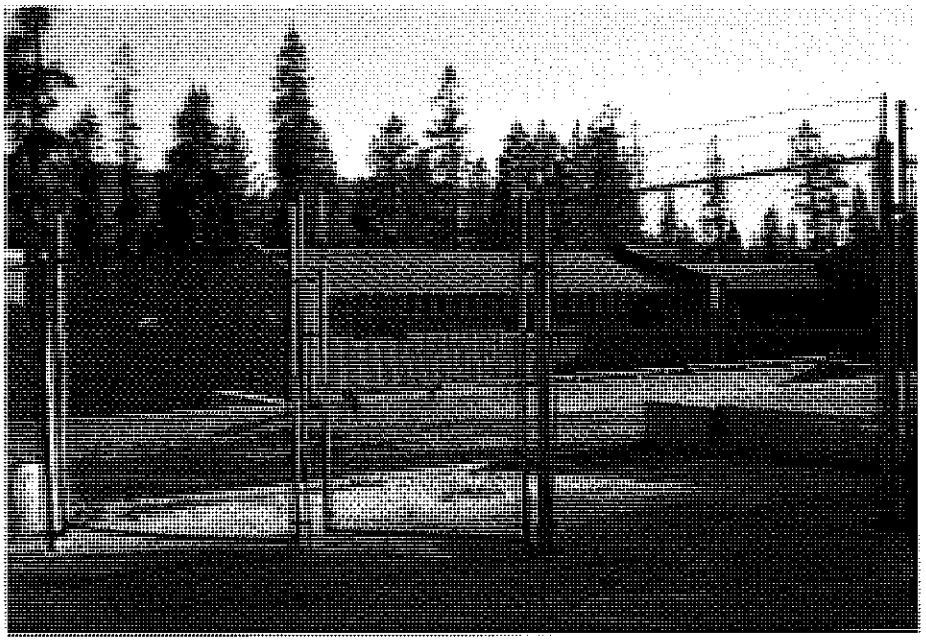
Cedar Grove Waste Water Treatment Unit (20 Map #3)

Sewage treatment
Constructed – 1967
Capacity -- 55,000
Currently operating



Clover Creek Waste Water Treatment Unit (33 Map #5)

Sewage treatment
Constructed – 1980
Capacity – 120,000
Currently operating

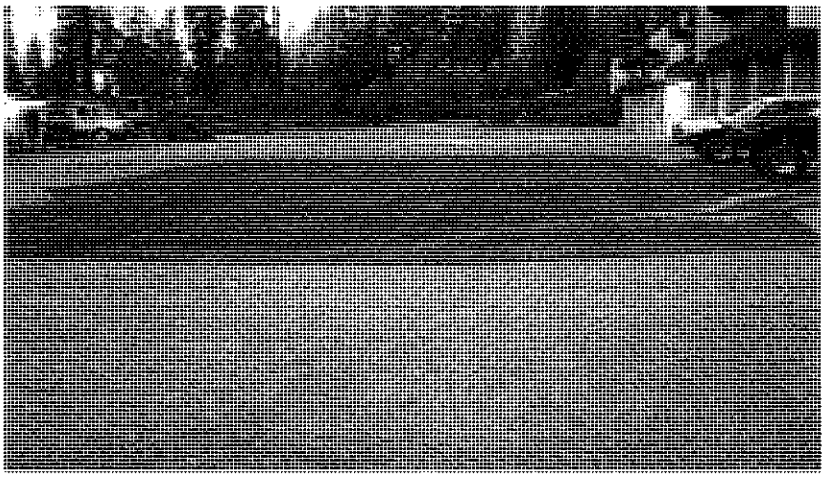


5. Underground Storage Tanks

Underground Storage Tank Description (In Ground) Sequoia and Kings Canyon National Parks							
Tank No.	**Size (gal)**	**Type**	**Contents**	**Location**	**Construction**	**Al ar me d**	**In Use**
8550-044 Removed 8/2008	10000	Double Wall	Diesel	Red Fir lower level	Steel	Y	N Removed 8/2008
8550-045 Removed 8/2008	10000	Double Wall	Unleaded	Red Fir lower level	Steel	Y	N Removed 8/2008
8550-046	4000	Double Wall	#2 Fuel	Red Fir lower level	Steel	Y	Y
8550-047	4000	Double Wall	#2 Fuel	Red Fir upper level	Steel	Y	Y
8550-048 Removed 2006	1000	Double Wall	Waste Oil	Red Fir lower level	Steel	Y	N Removed 2006
8550-068	4000	Double Wall	Diesel	GG WWTP	Fiberglass/Steel	Y	Y
8550-070	5000	Double Wall	Diesel	GG Maint	Fiberglass/Steel	Y	Y
8550-071	5000	Double Wall	Unleaded	GG Maint	Fiberglass/Steel	Y	Y
8550-543	10000	Double Wall	Unleaded	AM-fuel station	Fiberglass	Y	Y

8550-044 & 045 Red Fir Fuel Station (25 Map #4)

These tanks were removed in August 2008. Closure documentation is enclosed.



8550-046 &047 Red Fir Heating System Fuel Tanks (26 Map #4)

These are the fuel tanks used for heating oil to fuel the heating system for the maintenance buildings in Red Fir. 8550-046 is located under the parking lot/driveway adjacent to the lower maintenance building. 8550-047 is located under the parking lot/driveway adjacent to the upper maintenance building.

8550-048 Red Fir Waste Oil UST (27 Map #4)

This tank is described in section 3 (above).

8550-068 Grant Grove Waste Water Treatment Unit (15 Map #2)

This tank is used to fuel the back-up generator at the Grant Grove Waste Water Treatment Plant.

8550-070 & 071 Grant Grove Fuel Station (38 Map #2)

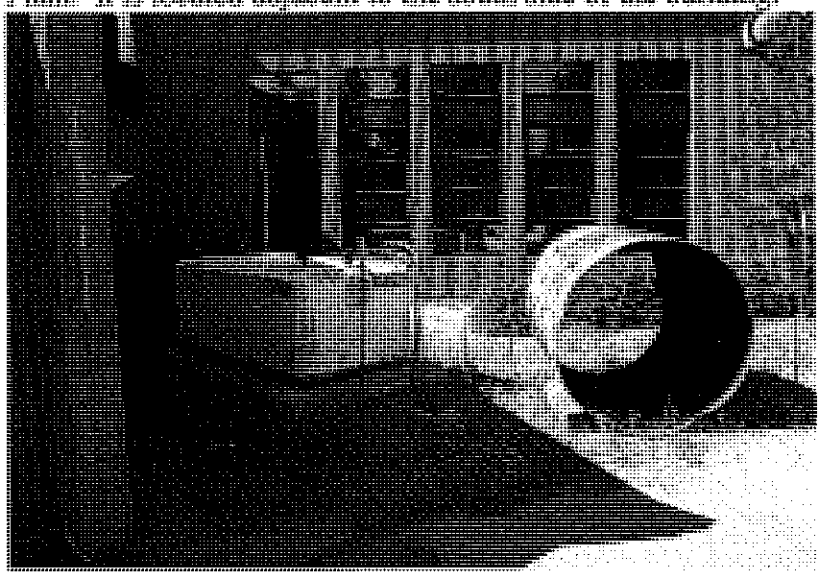
These tanks are the diesel and unleaded gasoline tanks for the Grant Grove Fuel Station. Located adjacent to the Grant Grove maintenance building. They are scheduled to be replaced with smaller ASTs in the Spring/Summer 2009.

5. Above Ground Storage Tanks

Aboveground Storage Tank Description Sequoia and Kings Canyon National Parks							
Tank No.	Size (gal)	Type	Contents	Location	Construction	Abandoned	In Use
[illegible]	1000	Con-Vault	Diesel	Clover Creek	Concrete	N	Y
[illegible]	3000	Steel	Diesel	AM-[illegible]	2 Wall	N	Y
[illegible]	3000	Steel	Diesel	AM-[illegible]	2 Wall	N	Y
[illegible]	1000	Con-Vault	Diesel	AM-Bat[illegible]	Concrete	N	Y
[illegible]	2000	Steel	Diesel	[illegible]	2 Wall	N	N
[illegible]	250	Con-Vault	Diesel	Oil Maintenance	Concrete	N	Y
[illegible]	1000	Con-Vault	Unleaded	Oil Maintenance	Concrete	N	Y
[illegible]	1000	Con-Vault	Unleaded	Oil Maintenance	Concrete	N	Y
[illegible]	1000	Con-vault	Diesel	[illegible]	Concrete	N	Y
[illegible]	6000	Steel	Unleaded	Bad For Maintenance	2 Wall	Y	Y
[illegible]	6000	Steel	Diesel	Bad For Maintenance	2 Wall	Y	Y

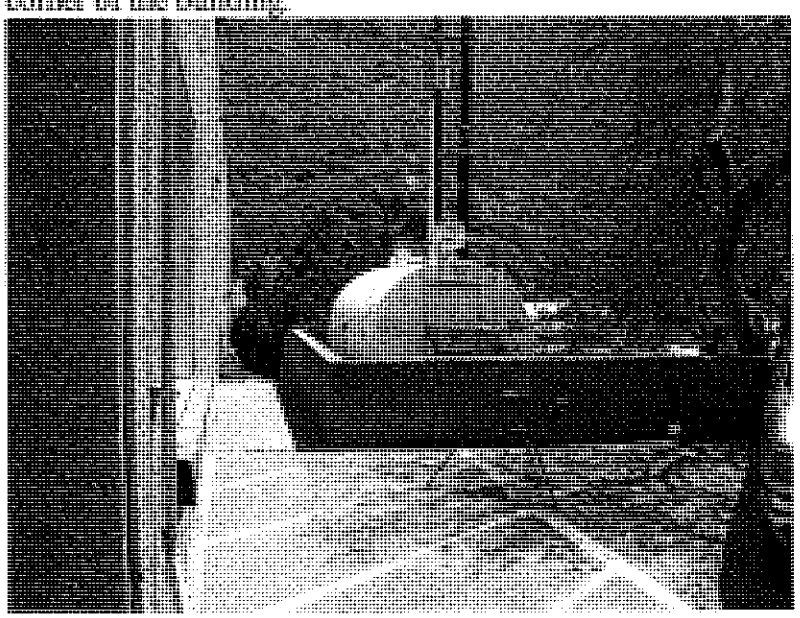
8550-163 Clover Creek Waste Water Treatment Unit AST (34 Map #5)

This tank is used for heating fuel for the Clover Creek Waste Water Treatment Plant. It is located adjacent to the south side of the building.



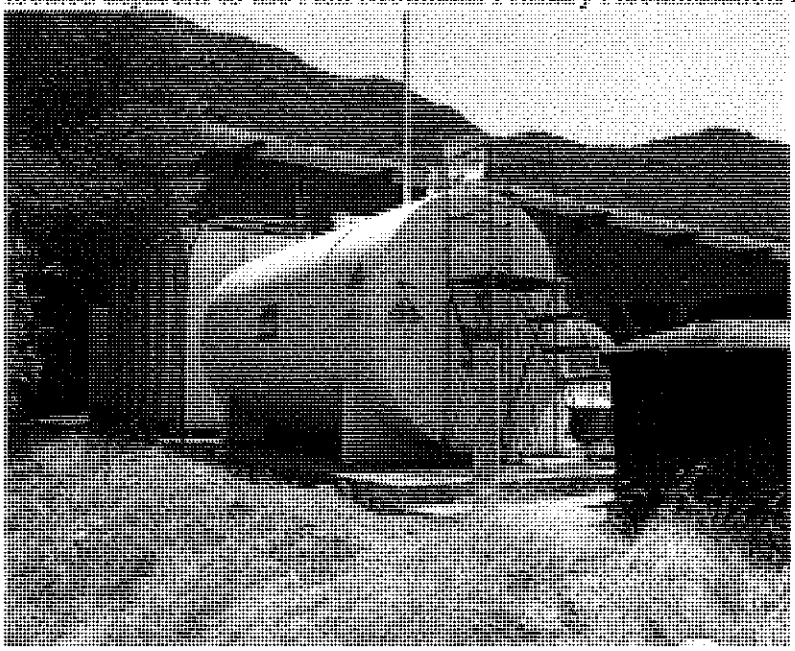
8550-1002 Ash Mountain Warehouse Tank (7 Map #1)

This tank supplies heating oil for the Warehouse. It is located at the southwest corner of the building.



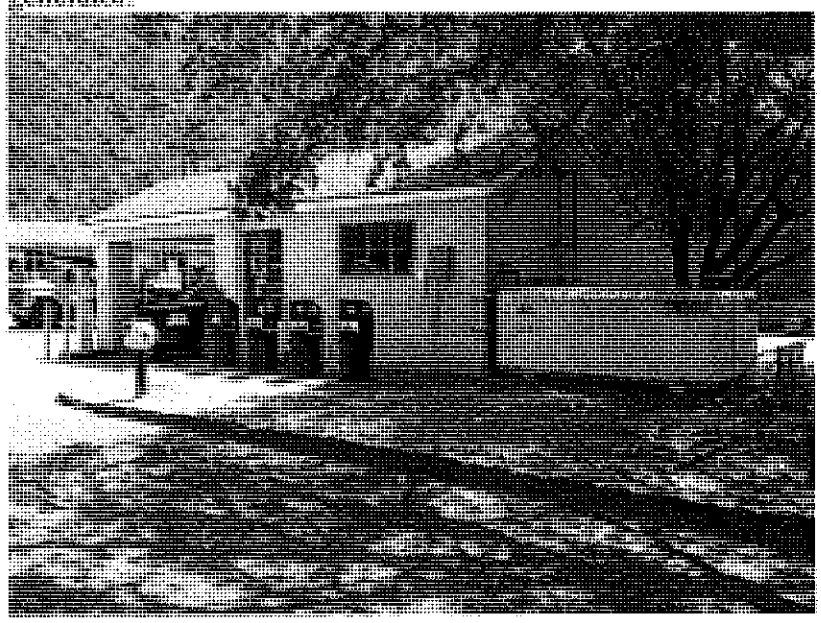
8550-1003 Ash Mountain Auto Shop Tank (8 Map #1)

This tank supplies heating oil for the Auto shop maintenance building. It is located adjacent to the Ash Mountain Primary Accumulation Area.



8550-1004 Ash Mountain Emergency Generator Tank (9 Map #1)

This tank provides fuel for the Ash Mountain emergency power generator. It is located behind the Ash Mountain Fuel Station, adjacent to the emergency power generator.

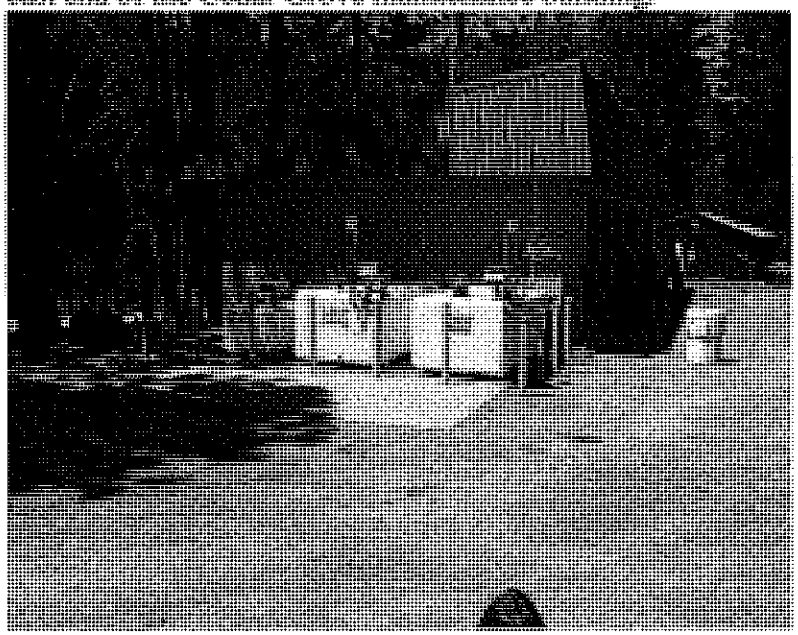


8550-1007 Lodgepole Rec. Hall Tank (35 Map #5)

This tank was used to fuel the heating system of the Lodgepole Rec. Hall. The heating system has been replaced with a propane supplied system, and the tank is scheduled to be removed.

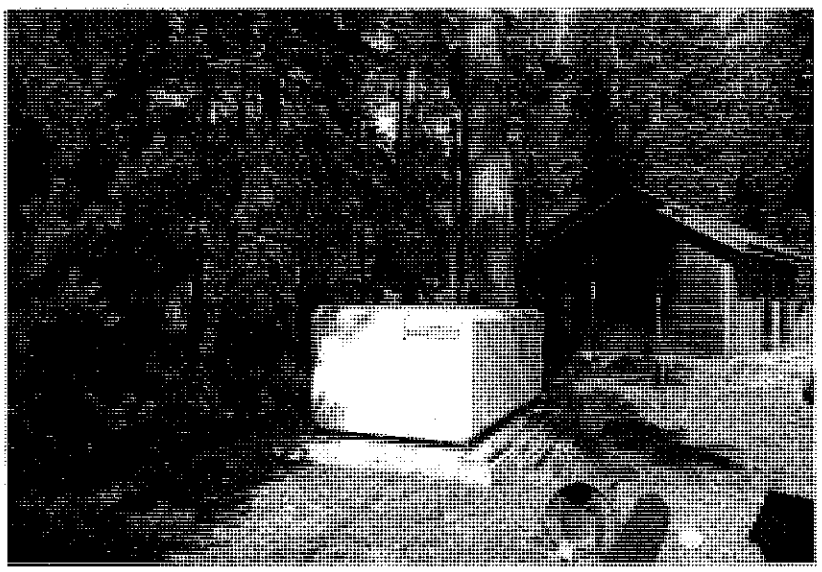
8550-1012, 1013,1014 Cedar Grove Fuel Station (21 Map #3)

These three tanks serve as the Cedar Grove fuel station. They are located at the east end of the Cedar Grove maintenance building.



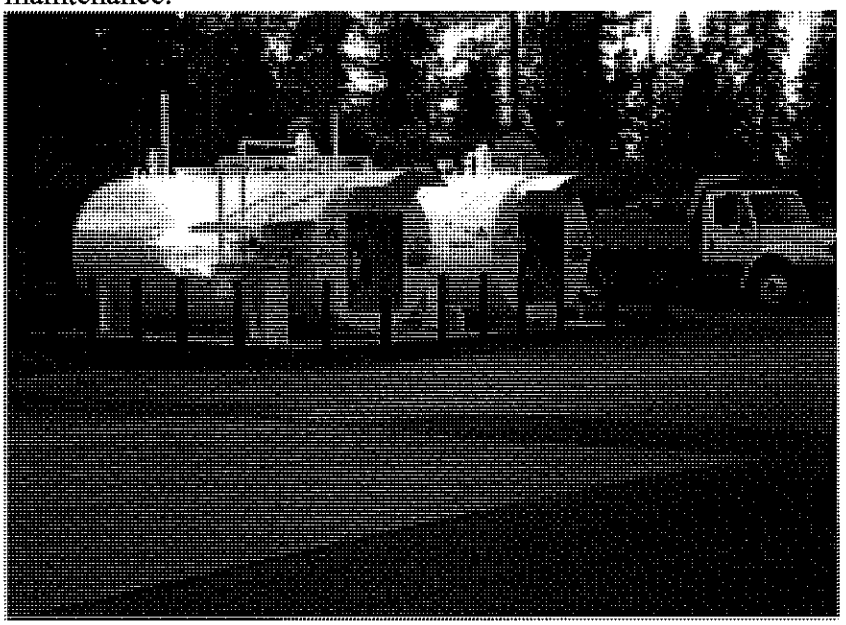
Lodgepole Sewer Lift Station #2 Emergency Generator Tank (36 Map #5)

This tank provides fuel for the emergency generator at the Lodgepole lift station. It is located between the old Lodgepole gas station and the lift station.



Red Fir Maintenance Fuel Station (28 Map #4)

These tanks make up the Red Fir Maintenance fuel station. They are located across the parking lot/driveway from the lower maintenance building in Red Fir maintenance.



Container Type	Size (gal)	Quantity of Containers	Contents	Location	Construction	Alternate Dikes	In Use
Drum	55	1	Motor Oil	[illegible]	Steel	Y	Y
Drum	55	2	Hydraulic Fluid	[illegible]	Steel	Y	Y
Drum	55	1	Transmission Fluid	[illegible]	Steel	Y	Y
Double Wall	100	1	Diesel	[illegible]	Steel	N	Y
Tank	100	1	Tank Oil	[illegible]	Steel	N	Y
Drum	55	1	Motor Oil	[illegible]	Steel	Y	Y
Drum	55	1	Transmission Fluid	[illegible]	Steel	Y	Y
Drum	55	1	Motor Oil	[illegible]	Steel	Y	Y
Drum	55	1	Anti-Freeze	[illegible]	Steel	Y	Y
Drum	55	1	Transmission Fluid	[illegible]	Steel	Y	Y
Drum	55	1	Hydraulic Fluid	[illegible]	Steel	Y	Y
Double Wall	100	1	Diesel	[illegible]	Steel	N	Y
Drum	55	1	Drip Transit Fluid	[illegible]	Steel	N	Y
Tank	200	1	Tank Oil	[illegible]	Steel	N	Y
Drum	100	1	Anti-Freeze (used)	[illegible]	Plastic	N	Y
Drum	55	1	Motor Oil	[illegible]	Steel	N	Y
Drum	55	1	Motor Oil	[illegible]	Steel	Y	Y
Drum	55	1	Transmission Fluid	[illegible]	Steel	Y	Y

5. Container Storage Areas

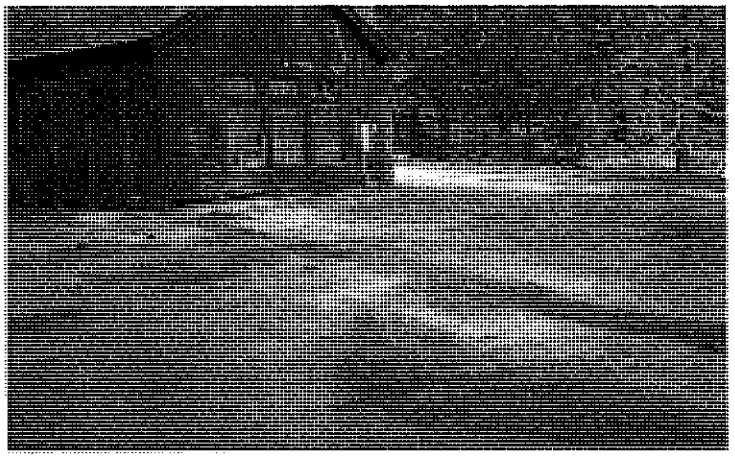
The Parks maintain small inventories of hazardous materials throughout the Parks. The materials are typically used for cleaning, maintenance, vehicle maintenance.

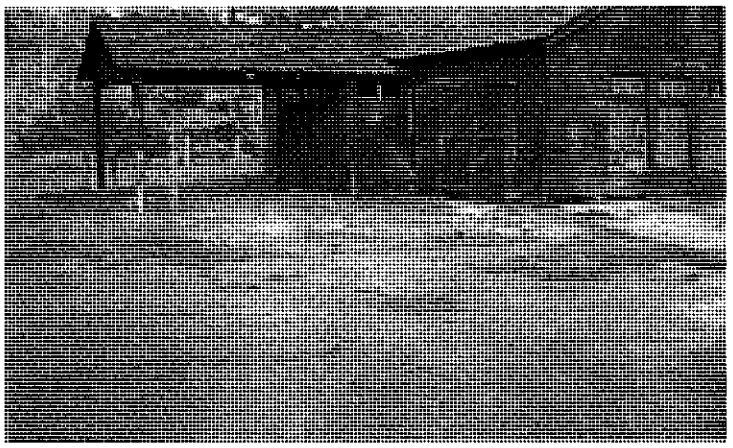
Grant Grove Chevron Station, Lodgepole Chevron Station, and Giant Forest Standard Oil Station

These gas stations were concession operated facilities in the Parks. It is not clear if the tanks were owned by the concessions, but evidence indicates they were. The facilities had several operators throughout their existence. The closure of the Grant Grove Chevron Station and the Lodgepole Chevron Station was conducted by the concession (Guest Services Inc., AKA Mount Rainier Guest Services). It is not known who conducted the original closure of the Giant Forest Standard Oil Station, but the Park Service did the final closure (see enclosed documentation).

Grant Grove Chevron Station (16 Map #2)

The Grant Grove Chevron Station began operation probably in the late 1920s or early 1930s. The Concession used at least one of the tanks for storage after the station was closed. See enclosed documentation



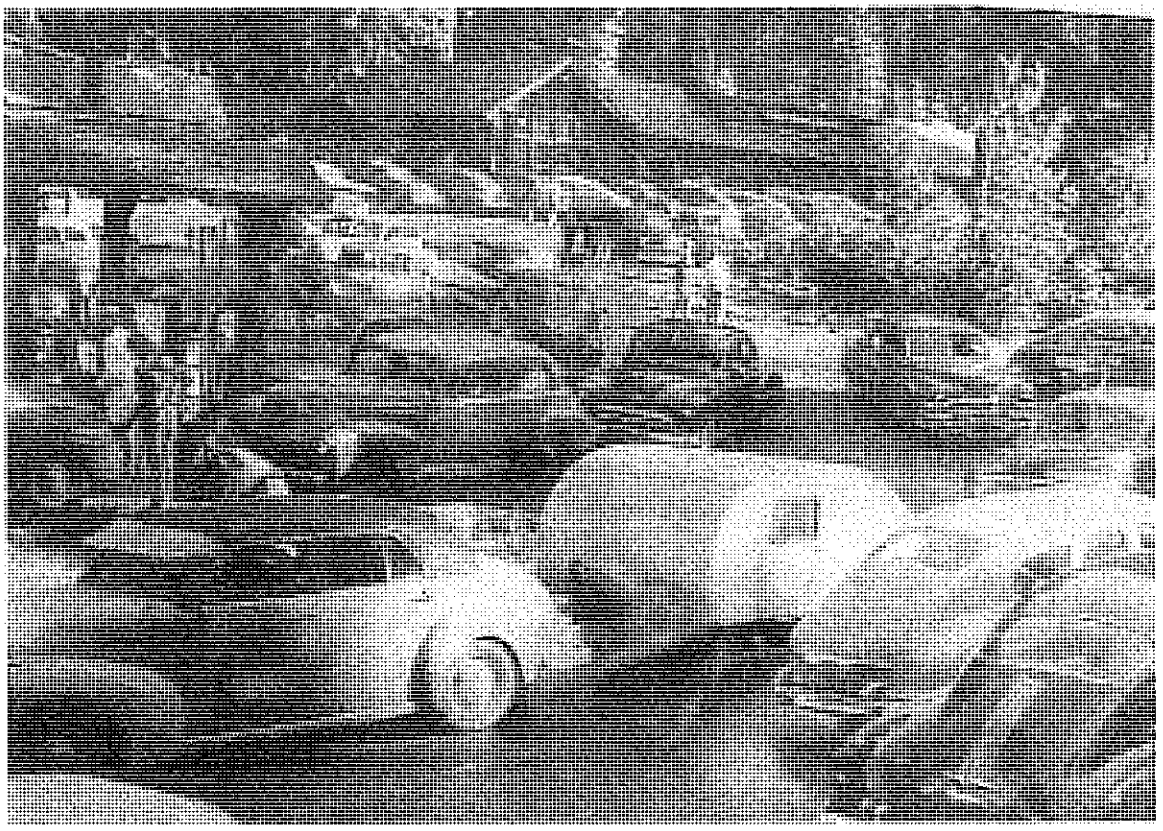


Lodgepole Chevron Station (37 Map #5)

This station began operation after the closure of the Standard Oil station at the Giant Forest (perhaps the late 1960s). The remaining tank was removed in 1996, but operation as a functioning gas station ended some time prior to that. See enclosed documentation.

Giant Forest Standard Oil Station (29 Map #4)

The gasoline station was operated by Standard Oil Company of California from approximately late 1929 to the early 1960s. The service station building was removed during the early 1960s. The 2,000 gallon UST was discovered in 1999 during an on-going landscaping project, by uncovering the access fill pipe. The UST was assumed to be the original hand pump tank previously located beneath the fuel island. The tank was apparently forgotten and left behind when the other know tanks were removed during the removal of the station. See enclosed documentation.



RESOURCE CONSERVATION AND
RECOVERY ACT (RCRA)

FACILITY ASSESSMENT

OF

SEQUOIA AND KINGS CANYON NATIONAL PARKS
UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
47050 GENERALS HIGHWAY
THREE RIVERS, CALIFORNIA 93271-9651

ENVIRONMENTAL PROTECTION AGENCY
IDENTIFICATION NUMBER CA6141790083

DATED JUNE 3, 2010

PREPARED BY:

WAYNE LORENTZEN
DEPARTMENT OF TOXIC SUBSTANCES CONTROL
8800 CAL CENTER DRIVE
SACRAMENTO, CALIFORNIA 95826

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1. EXECUTIVE SUMMARY

The Sequoia and Kings Canyon National Parks (Parks) are located in central California on the western face of the Southern Sierra Nevada. The Sequoia National Park was established in 1890, and the Kings Canyon National Park was established in 1940. The two parks, encompassing 865,257 acres, are administered as one unit by the United States Department of the Interior National Park Service (NPS, FFMP). The Parks consists of several campground areas, visitor centers, and a vast reserve of wilderness areas. Additionally, the Parks contain maintenance facilities and storage areas for park maintenance.

The Department of Health Services, predecessor to the Department of Toxic Substances Control, issued a Hazardous Waste Facility Permit (Permit) to the National Parks Service on February 2, 1984. The Permit authorized the operation of the Ash Mountain Hazardous Waste Interim Storage Facility. The Permit expired on February 2, 1989, and the Parks began operating under generator status. A Resource Conservation and Recovery Act (RCRA) Facility Assessment (RFA) was prepared by DTSC in 1997, but did not include a visual site inspection of prior concession operations and some areas in the Parks.

This RFA was prepared to identify all solid waste management units and areas of concern in the Parks, and to make a determination on the need for further actions. Based on a review of the files, the information submitted by the National Park Service, and the visual site inspection, DTSC requires further investigation for several areas in the Parks.

2. INTRODUCTION

2.1 Purpose of the RCRA Facility Assessment

The RFA is the first step in the corrective action process. The purpose of the RFA is to identify and gather information of releases at the facility, evaluate solid waste management units (SWMUs) and areas of concern for releases to all media, make a preliminary determination regarding releases of concern and the need for further actions and interim measures, and screen those SWMUs which do not pose a threat to human health and the environment from further investigation.

2.2 Collection of Data

The information used in this report was collected from DTSC facility files, information provided by the National Parks Service, and information collected from a visual site inspection. The DTSC facility files include permit applications, pre-permit inspection reports, records of communication, closure reports, and correspondence between DTSC and the United States Department of the Interior. Information provided by the National Parks Service is compiled in a RCRA Facility Assessment Questionnaire and Supplemental Documentation submitted on December 12, 2008. The visual site inspection was conducted on October 15 and 16, 2008.

3. SITE DESCRIPTION

3.1 Site Location

The Parks are located in central California on the western face of the southern Sierra Nevada mountain range. There are two entrances to the Parks: the southern entrance is located on State Route 198 in Three Rivers, 28 miles northeast of Visalia, and the northern "Big Stump" entrance is located on State Route 180, 45 miles east of Fresno. The Generals Highway provides vehicular access between the entrances, and the Kings Canyon Scenic Byway, State Route 180, provides access to the eastern interior of the Kings Canyon National Park. The mailing address and office location for National Park Service personnel in the Parks is:

National Park Service
47050 Generals Highway
Three Rivers, California 93271

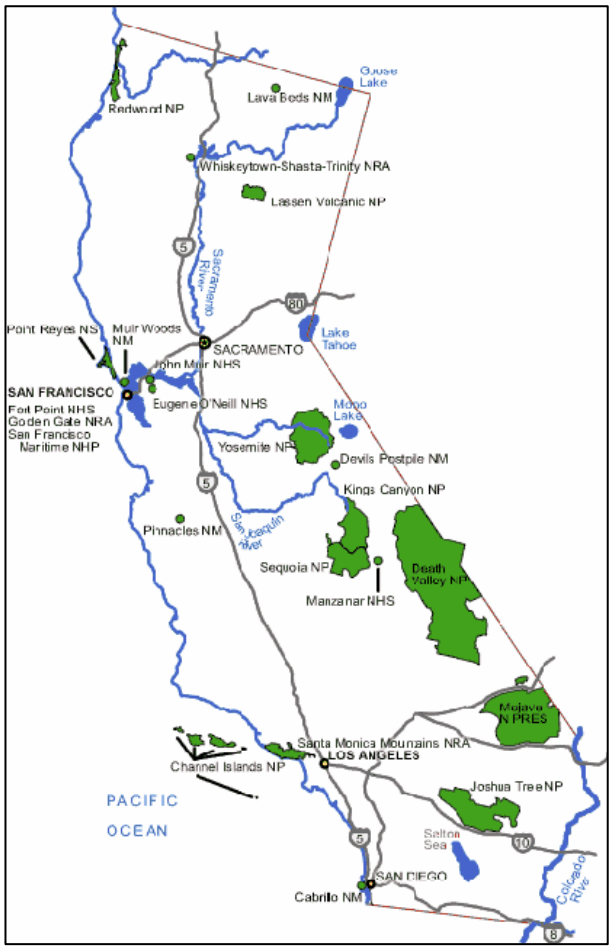


Figure 1 (NPS, "Nearby Attractions")

3.2 Owner/Operator History

The Sequoia National Park and the General Grant National Park were established and managed as the second and third United States National Parks in 1890 by the United States Department of the Interior. The National Park Service, a separate bureau of the Department of the Interior, was organized in 1917, assuming administration of the National Parks. The United States Congress established the Kings Canyon National Park in 1940 which incorporated the General Grant National Park. Congress added Cedar Grove and Tehipite Valley to the Kings Canyon National Park in 1965 (Clemensen). Wilsonia, an area in the Grant Grove section of the Kings Canyon National Park, is privately owned. The Parks are currently administered by the National Park Service.

3.3 Facility Processes and Waste Management

According to the Historic Preservation Team of the National Park Service, Mono Indians introduced a cattleman, Hale D. Tharp, to the Parks in 1856. As settlers began arriving in the area, the Indians drifted out and were gone by 1865. Hale Tharp brought cattle and horses to the Giant Forest area in 1861, and built a summer residence. Milling operations began in the Grant Grove area in 1862, and others were introduced in the 1870's and

1880's. In the Big Stump area, between 1883 and 1888, Smith Comstock's lumber mill grew to the point that Italian and Chinese laborers were brought in from San Francisco. Flumes were built in 1889 north of General Grant Grove further increasing lumbering operations. A Socialist commune, the Kaweah Cooperative Commonwealth Company, constructed a road into the Sierras, two settlements, and a small saw mill between 1885 and 1890. The group disbanded after Congress incorporated the land into the Sequoia National Park in 1890 (Clemensen).

A pack station, hotel, and grocery store were developed in 1884 near Copper Creek in present day Kings Canyon National Park. The Kings Canyon Scenic Byway, connecting General Grant Grove with Cedar Grove and "Roads End," was constructed between 1929 and 1938. Kings Canyon became a National Park in 1940. Congress added Cedar Grove and Tehipite Valley to Kings Canyon National Park in 1965.

Tourist accommodations began appearing in 1917 in the Giant Forest area, and concession expansion occurred over the years. A store and tourist camp were opened in 1918 in the Grant Grove area. Civilian Conservation Corps work camps were operated in the Parks from 1933 through 1941. Park projects included insect control, surveyor assistance, forest area and fire lane clearance, reforestation, sign erection, roads construction, telephone line extensions, and building construction. A ski club was established in 1935 in the Wolverton area. Rope tows, a ski school, a warming hut, and a club cabin were subsequently constructed, but the site closed in 1982 (NPS, "Sequoia Ski Club"). Parks expansion into the Lodgepole area began around 1930. A market, a curio shop, and a machine shop were built in the 1930's, and a service station was built in the 1960's (Clemensen).

Additional campground sites were constructed between Lodgepole and Grant Grove. A Civilian Conservation Corps camp was constructed at Red Fir Camp, and campgrounds were constructed at Dorst Creek, and Lost Grove. Four buildings were constructed in Stony Creek Village in the 1970s (Clemensen). The buildings consisted of a service station, hotel, restaurant, market, gift shop, and Laundromat. An equipment storage building was constructed in the Redwood Mountain Saddle area in 1939.

Structures in the Grant Grove area in Kings Canyon National Park were constructed as early as the 1920s. The Grant Grove Lodge was built in the 1920s, later converted to a storage building, and finally a market. A Registration, Coffee Shop, and Curio Shop building was built in the 1950s along with a gas station. A dynamite storage structure was constructed in 1964. Many cabins, tent top cabins, and shower facilities were built in the 1920s and 1930s. Additional construction in this area included residences, a post office, a warehouse, a sign shop, a wood and fuel storage building, an ampitheater, a visitor center, equipment sheds, and supply storage buildings. Campgrounds in the area include Pine Camp, Swale Campground, Sunset Campground, Azalea Campground, Crystal Springs Campground. Additional construction was added to the Big Stump Area, the Grant Grove Corral Area, the Grant Tree Area, Park Ridge, and the Grant Grove Entrance Area.

The Cedar Grove Area in Kings Canyon National Park is located approximately thirty miles from Grant Grove. The National Forest Service designed the area for camping and hiking. A Market, snack bar, and curio shop building was erected in 1941 along with a service station. Additional structures included a Ranger Station, storage shed, Fire Cache Building, Fire Crew Quarters, Corrals, hay storage, barns, dormitories, and supply and maintenance buildings.

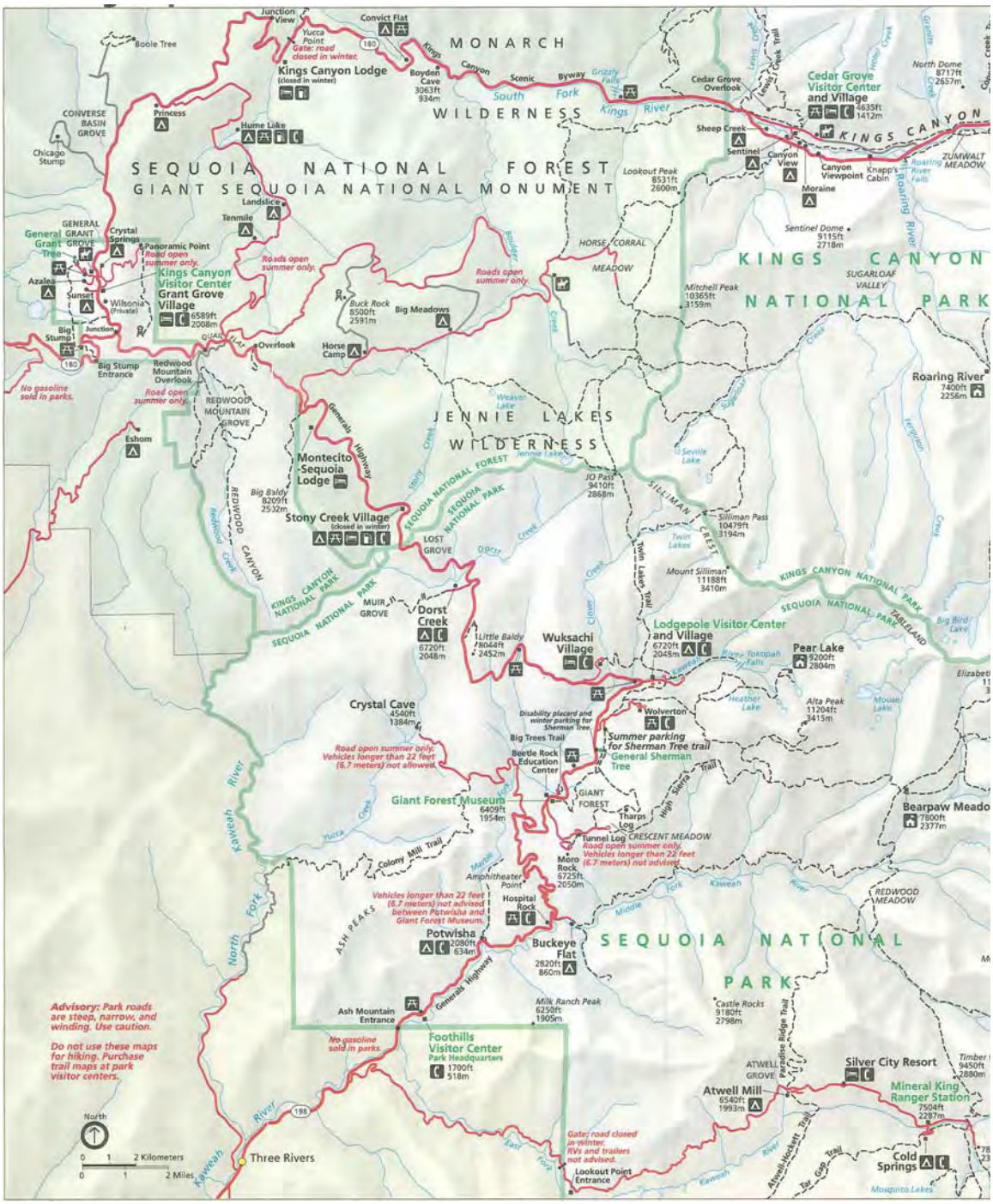
The parks consist of thirteen campgrounds in Cedar Grove, Grant Grove, the foothills, Giant Forest, Lodgepole, and Mineral King. The parks include 1,238 campsites at the Moraine, Sentinel, Sheep Creek, Azalea, Crystal Springs, Sunset, Buckeye Flat, Potwisha, South Fork, Dorst, Lodgepole, Atwell mill, and Cold Spring campgrounds (Uhler).

Parks visitors average approximately 1.5 million per year between the two parks. Visitor use of the parks includes education and recreation. Educational activities center around educational facilities located at the Cedar Grove Visitor Center, Kings Canyon Visitor Center, Lodgepole Visitor Center, Walter Fry Nature Center, Giant Forest Museum, Beetle Rock Education Center, Foothills Visitor Center, and the Mineral King Visitor Contact Station. Recreational activities include camping, hiking, backpacking, horseback riding, caving, picnicking, fishing, sightseeing, swimming, cross-country skiing, and non-motorized boating (NPS FGMP).

The mission of the parks is to preserve natural and cultural resources unimpaired while simultaneously providing for public enjoyment. Visitor services at the parks include campgrounds, lodging, restaurants, gift shops, stores, and post offices. Restaurants are concession owned and are operated at Grant Grove and Wuksachi. Gift shops are located at Grant Grove, Lodgepole, Cedar Grove, and Wuksachi (NPS FGMP).

Park management is conducted with approximately 250 full time employees, 300 seasonal employees, 1,400 volunteers, 25 cooperating association employees, and 45 interagency staff. Concessions are operated by 250 employees. Park staff consists of Interpretation and Cultural Resources staff, Fire and Visitor Management staff, Natural Resources staff, and Maintenance and Construction staff. Interpretation and Cultural Resources staff provides assistance at visitor centers and contact stations and manage cultural resources in the parks. Fire and Visitor Management staff includes Park Rangers, staff at entrance stations, and staff who provide law enforcement, search and rescue, and emergency medical services. Natural resources staff includes staff that monitors and removes trees that pose safety hazards and staff that monitors and protects resource conditions. Maintenance and Construction staff operates heavy equipment, operates utility systems, maintains roads and facilities, and provide janitorial services. Park utilities include 23 water systems, five wastewater systems, and 60 septic systems (NPS FGMP).

3.4 Park Map



4. REGULATORY INVOLVEMENT

The parks currently report Toxic Release Inventory data to the United States Environmental Protection Agency. The parks industrial classifications are identified as land, mineral, wildlife, and forest conservation (USEPA).

4.1 California Department of Health Services and the Department of Toxic Substances Control

The United States Department of the Interior applied for a Hazardous Waste Facility Permit to store hazardous waste for longer than 90 days. The Department of Health Services (DHS), DTSC's predecessor, issued a Hazardous Waste Facility Permit on February 2, 1984. The parks notified DHS of their intention to close and return to generator status in 1988 and submitted a closure plan for the Ash Mountain storage area in 1990. Closure was acknowledged by DTSC in a letter dated June 27, 1994. DTSC accepted closure certification for two 550-gallon underground storage tanks located at Ash Mountain and Grant Grove in a letter dated June 25, 1997. A RCRA Facility Assessment was completed by DTSC for portions of the parks in August 1997.

4.2 Regional Water Quality Control Board

The State Water Quality Control Board's Geotracker identifies three permitted underground storage tanks under the permitting authority of Tulare County. The tanks are located at the Ash Mountain Maintenance Facility, the Red Fir Maintenance Facility, and the Grant Grove Maintenance Facility. Geotracker also identifies a leaking underground storage tank site on the Generals Highway at Giant Forest; the case was closed on January 16, 2001.

4.3 San Joaquin Valley Unified Air Pollution Control District

The California Air Resources Board does not identify any facility within the boundaries of the parks (ARB). The San Joaquin Unified Valley Air Pollution Control District is the regulating authority for the San Joaquin Valley Air Basin.

4.4 Other Agencies

The Tulare County Environmental Health Division issued a permit to abandon five tanks in 1997 at the site of the former Chevron station in Lodgepole.

5. ENVIRONMENTAL SETTING

5.1 Topography

There are great variations in elevation, climate, and habitat in the parks. Elevation is the primary factor in determining local climate and habitat. Elevation in the parks ranges from about 1,500 feet to Mount Whitney with an elevation of 14,495 feet. Mount Whitney is the highest peak in the United States excluding Alaska. Based on elevation, the parks can be divided into three general areas. The lower elevations (1,500 - 4,000 feet) are characterized by canyons and mountain slopes. The summers are hot and dry.

The winters are usually free of snow. Winter rain occurs in moderate amounts. The Ash Mountain (1,700 feet) location is typical of the lower elevation.

The middle elevations (4,000 - 9,000 feet) are characterized by mountain slopes and valleys. These areas are cooler and receive more precipitation. Winter snow can sometimes reach 15 feet in depth. Habitats in the middle elevations range from meadows to forests of fir, pine, cedar, and giant sequoias. Cedar Grove (4,635 feet), Grant Grove (6,590 feet) and Lodgepole (6,800 feet) are located at middle elevations. The high country (9,000 - 14,000 feet) is characterized by lakes, meadows, some fairly open forest and miles of relatively bare granite. The areas are cooler with more precipitation and severe winters.

5.2 Geology

The parks are located in the Sierra Nevada Mountain Range. The mountain range is composed mostly of granitic rock with some sections containing metamorphic rock including schist, quartzite, phyllite, and marble. More than 200 marble caves exist in the parks (NPS SKCNP Geology Overview). The Long Meadow area of the Sequoia National Park, northeast of the Wolverton Corrals, is underlain by alluvium of Holocene age, then glacial till from the Pleistocene age (Akers). The clay beds near Long Meadow are ". . . lenticular and are distributed both horizontally and vertically" (Akers). Generally, the granitic rocks " . . . become more posassic, more continental, and younger from west to east" (Moore, et al.).

5.3 Hydrology

5.3.1 Surface Water

The parks contain approximately 3,200 lakes and ponds and 2,600 miles of rivers and streams (NPS SKCNP Water Resources). The north fork of the Kern River, the five forks of the Kaweah River, the south and middle forks of the Kings River, and the south fork of the San Joaquin River originate in the parks and carry the winter snow pack from the Sierra Nevada. Lakes and ponds are found mostly at higher elevations, while rivers and streams dominate the lower elevations. Surface flow peaks in May or June and ebbs in August. The Lodgepole, Cedar Grove and Mineral King areas are subject to flooding from large streams (NPS FGMP).

5.3.2 Groundwater

22 public water wells are located within the parks with groundwater sources. Most of the wells serve campground sites. Some groundwater in the parks is transported through karst areas, areas of the earth's surface that contain caves, springs, sinkholes, and disappearing streams. Karst waters flow freely through rock channels that are not filtered as groundwater flow through soil is (NPS SKCNP Karst Hydrology). Tests conducted in test holes in the Long Meadow area indicate that groundwater in the Long Meadows area is a recharge source for the Wolverton Creek (Akers).

5.4 Soil

Meadows and stream valleys near the Giant Forest and Lodgepole areas are underlain by stratified and non-stratified grit, sand, and silt. Tioga and Tahoe Moraines compose the floor and flanks of Tokopah Valley (Sisson, et al.).

5.5 Air

The parks are located in the San Joaquin Valley Air Basin which is regulated by the San Joaquin Valley Air Pollution Control District. The basin is listed as a non-attainment area for California State Ambient Air Quality Standards for Ozone, 1-hour Ozone, PM-2.5 and PM-10. The basin is also a non-attainment area for federal Ambient Air Quality Standards for 8-hour Ozone and PM-2.5 (ARB Area Designation Maps).

6. SOLID WASTE MANAGEMENT UNITS

	DESCRIPTION	LOCATION
SWMU 1	Former Ash Mountain Incinerator and Container Storage Area	Ash Mountain
SWMU 2	Former Incinerator Burial Pit	Ash Mountain
SWMU 3	Ash Mountain Used Oil Above Ground Storage Tank	Ash Mountain
SWMU 4	Former Ash Mountain Waste Oil UST	Ash Mountain
SWMU 5	Ash Mountain Primary Accumulation Center	Ash Mountain
SWMU 6	Ash Mountain Fuel Station 10,000 Gallon UST	Ash Mountain
SWMU 7	Ash Mountain Warehouse 3,000 Gallon AST	Ash Mountain
SWMU 8	Ash Mountain Auto Shop 3,000 Gallon AST	Ash Mountain
SWMU 9	Ash Mountain Emergency Generator 1,000 Gallon AST	Ash Mountain
SWMU 10	Former Giant Forest Standard Oil Shed UST	Giant Forest
SWMU 11	Former Lodgepole Incinerator	Lodgepole
SWMU 12	Former Wolverton Burn Pit	Wolverton
SWMU 13	Former Lodgepole Service Station USTs	Lodgepole
SWMU 14	Former Lodgepole Service Station USTs	Lodgepole
SWMU 15	Former Lodgepole Service Station USTs	Lodgepole
SWMU 16	Former Lodgepole Service Station USTs	Lodgepole
SWMU 17	Former Lodgepole Service Station USTs	Lodgepole
SWMU 18	Lodgepole Recreation Hall AST	Lodgepole
SWMU 19	Lodgepole Sewer Lift Station Emergency Generator Tank	Lodgepole
SWMU 20	Former Clover Creek Incinerator	Clover Creek
SWMU 21	Clover Creek Wastewater Treatment Unit AST	Clover Creek
SWMU 22	Red Fir Used Oil AST	Red Fir
SWMU 23	Red Fir Waste Oil UST	Red Fir
SWMU 24	Red Fir Satellite Accumulation Unit	Red Fir
SWMU 25	Red Fir Fuel Station 10,000-Gallon Diesel Tank	Red Fir
SWMU 26	Red Fir Fuel Station 10,000-Gallon Unleaded Fuel	Red Fir

	Tank	
SWMU 27	Red Fir Lower Level 4,000-Gallon Fuel Tank	Red Fir
SWMU 28	Red Fir Upper Level 4,000-Gallon Fuel Tank	Red Fir
SWMU 29	Red Fir Waste Oil UST	Red Fir
SWMU 30	Red Fir 6,000-Gallon Unleaded Fuel AST	Red Fir
SWMU 31	Red Fir 6,000-Gallon Diesel Fuel AST	Red Fir
SWMU 32	Former Grant Grove Chevron Station USTs	Grant Grove
SWMU 33	Former Grant Grove Chevron Station USTs	Grant Grove
SWMU 34	Former Grant Grove Chevron Station USTs	Grant Grove
SWMU 35	Former Grant Grove Chevron Station USTs	Grant Grove
SWMU 36	Former Grant Grove Chevron Station USTs	Grant Grove
SWMU 37	Dynamite Storage Structure	Grant Grove
SWMU 38	Former Grant Grove Incinerator	Grant Grove
SWMU 39	Grant Grove Used Oil AST	Grant Grove
SWMU 40	Grant Grove Waste Oil UST	Grant Grove
SWMU 41	Grant Grove Satellite Accumulation Unit	Grant Grove
SWMU 42	Grant Grove Waste Water Treatment Unit Diesel UST	Grant Grove
SWMU 43	Grant Grove Fuel Station Diesel UST	Grant Grove
SWMU 44	Grant Grove Fuel Station Unleaded UST	Grant Grove
SWMU 45	Former Cedar Grove Incinerator	Cedar Grove
SWMU 46	Former Cedar Grove Burn Pit	Cedar Grove
SWMU 47	Cedar Grove Satellite Accumulation Unit	Cedar Grove
SWMU 48	Cedar Grove Fuel Station ASTs	Cedar Grove
SWMU 49	Cedar Grove Fuel Station ASTs	Cedar Grove
SWMU 50	Cedar Grove Fuel Station ASTs	Cedar Grove
AOC 1	Grant Grove Equipment Shed and Supply Storage Building	Grant Grove
AOC 2	Former Cedar Grove Service Station	Cedar Grove

6.1 SWMU 1 – Former Ash Mountain Incinerator and Container Storage Area

The former incinerator can be accessed from an unpaved road approximately ¼ mile north of the park entrance in Three Rivers. The former incinerator consisted of a concrete bunker, a concrete wash pad, and a concrete loading ramp (Twining). The incinerator was used to burn domestic waste from 1929 until 1965. In 1965, the parks began disposing of the waste off-site. The incinerator was dismantled in 1966 (estimate). After the incinerator was dismantled, the concrete foundation was converted into a hazardous waste container storage area.

The container storage area was a bermed concrete pad measuring 10 feet by 20 feet. The berm was approximately 8 inches in height. There was a roof over the pad, but there were no side walls. The pad was first used to store hazardous waste in 1970. Hazardous waste storage ceased in 1990, and the pad was decontaminated in April 1991. The United States Environmental Protection Agency certified return to compliance and

closure of the area in a letter dated April 22, 1994. DTSC accepted closure certification in a letter dated June 27, 1994 (Shaulis).

6.1.1 Waste Characteristics

Domestic waste and waste from concessions were burned in the incinerator. Incinerator ash was buried in a pit near the incinerator (Sorenson). The container storage area was used to store rinsate from gasoline and diesel fuel tank cleaning activities (Twining). The storage area also stored laboratory waste, pentachlorophenol, paint, road oil, creosote, and oily water (NPS 1985).

6.1.2 Pollutant Migration Pathways

The pollutant migration pathways associated with the area include spills from containers or from waste handling, spills from container failure, spills due to mechanical failure, subsequent migration of spillage through soils, deposition of incinerated ash onto soils, and precipitation runoff from the concrete pad and underlying soils.

6.1.3 Evidence of Release

The National Park Service conducted a soil assessment when the storage area was closed and submitted a report documenting the findings of the assessment. The report prepared by The Twining Laboratories, Inc. states, "The local geology consists of a thin cover of residual granitic soils underlain by granitic bedrock. The thickness of residual soils appears to be less than 5 feet." The report also documents the results of sampling activities that were conducted to close the container storage area in accordance with permit conditions from the Department of Health Services, DTSC's predecessor. Sampling of soil locations were analyzed for total recoverable petroleum hydrocarbons and selected metals. Sampling results indicated the presence of total recoverable petroleum hydrocarbons at elevated concentrations in the concrete and in soil beneath the structure.

6.1.4 Exposure Potential

Due to the confirmed evidence of a release of petroleum hydrocarbons to soil beneath the former incinerator and storage area, the conductive soils and relatively short distance to confining bedrock, and the proximity to existing operations south of the release, Sycamore Creek (500 feet) and the Kaweah River (1 mile), the potential for exposure to contaminants through surface water runoff is high.

6.1.5 Results of Visual Site Inspection

Visual inspection of the area indicated that the incinerator has been deconstructed, but part of the structure remains. Park operations were observed downhill from the former incinerator. The interior of the structure was covered with thin sheets of wood at the time

of inspection. Dry solids were stored adjacent to the structure and a small drain was observed.

6.1.6 Recommended Action

The Twining report recommended that no further assessment was needed if the structure was not demolished, and recommended soil excavation of the top 12 to 18 inches if the structure is demolished. DTSC acknowledged clean closure of this SWMU in a letter dated June 27, 1994; however, contaminants were left in place. Sampling should be conducted to verify that there have been no releases of potential contaminants associated with the other waste streams identified in section 6.1.1. The extent of petroleum hydrocarbon releases and any other contamination should be delineated through a RCRA Facility Investigation and the risk to human and ecological receptors should be quantified to determine whether remedial activities are necessary.

6.2 SWMU 2 – Former Incinerator Burial Pit

The former incinerator burial pit is located approximately 50 feet southeast of the former incinerator and storage area described in section 6.1. The area can be accessed from an unpaved road approximately ¼ mile north of the park entrance in Three Rivers. The pit was identified during the visual site inspection and documented in the RCRA Facility Assessment Questionnaire and Supplemental Documentation. The pit was operational from 1929 until 1966 (Shaulis).

6.2.1 Waste Characteristics

The pit was used to bury incinerator ash from the incineration of domestic and concession waste generated in the parks.

6.2.2 Pollutant Migration Pathways

Pollutant migration pathways associated with the area include migration of leachate and runoff to surrounding soils and surface waters, seepage to surrounding soils, and precipitation runoff to surrounding surface and subsurface.

6.2.3 Evidence of a Release

The burial pit is reportedly 10,000 square feet in area and 20 feet deep (Sorenson). There is limited information as to the activities conducted in the area and the toxicity of the incinerator ash.

6.2.4 Exposure Potential

Due to the potential toxicity of incinerator ash and the proximity of the burial pit to existing operations, Sycamore Creek (500 feet) and the Kaweah River (1 mile), the potential for exposure to contaminants through surface water runoff and leachate seepage is high.

6.2.5 Results of Visual Site Inspection

Limited evidence of the burial pit was observed downhill from the former incinerator.

6.2.6 Recommended Action

The former incinerator burial pit should be included in a RCRA Facility Investigation to determine whether the incinerator ash is a hazardous waste subject to the requirements of RCRA. The results of the investigation should be used to determine whether remedial activities are necessary.

6.3 SWMU 3 – Ash Mountain Used Oil Above Ground Storage Tank

The parks installed the steel double-walled, 250-gallon AST in October 1992 (Sorenson). The AST is located outside of the automotive shop at the Ash Mountain Maintenance Area, directly adjacent to the primary accumulation sheds.

6.3.1 Waste Characteristics

The AST is used to store used oil.

6.3.2 Pollutant Migration Pathways

Pollutant migration pathways associated with the area include overflow from tank loading, tank shell failure and leakage, leaks from ancillary equipment, and spills from coupling and uncoupling operations.

6.3.3 Evidence of a Release

There is no documentation of a release from or near this tank.

6.3.4 Exposure Potential

Due to the integrity of the tank observed during the visual site inspection and the lack of evidence of a release, the potential for exposure to contaminants is low.

6.3.5 Results of Visual Site Inspection

The integrity of the tank appeared to be sound. There was no apparent evidence of a release.

6.3.6 Recommended Action

No further action is necessary.

6.4 <u>SWMU 4 – Former Ash Mountain Waste Oil UST</u>

The former waste oil UST was located behind the automotive shop at the Ash Mountain Maintenance Facility. The 515-gallon tank was installed around 1965 and was removed in July 1994.

6.4.1 Waste Characteristics

The former waste oil UST was used to store waste oil generated from the automotive shop when changing oil in fleet trucks. The tank was emptied by a waste oil recycler when it became full. The average quantity of waste oil generated at the Ash Mountain Maintenance Facility was 617 gallons per year (NPS 1997).

6.4.2 Pollutant Migration Pathways

Pollutant migration pathways associated with underground storage tanks include overflow into soils, tank wall failures to soil, leaks from ancillary equipment, and spillage from waste handling and coupling/uncoupling operations. Soil seepage could ultimately impact the Kaweah River which is located approximately 300 feet downhill and southeast of the former tank.

6.4.3 Evidence of a Release

Analysis of samples indicated that oil and grease concentrations as high as 2,600 ppm were detected near the bottom of the former tank location (Lutrel). Volatile organic hydrocarbons were not detected.

6.4.4 Exposure Potential

Due to the evidence of a release beneath the former tank and the distance to the Kaweah River, the potential for exposure to contaminants is high.

6.4.5 Results of Visual Site Inspection

The former tank had been removed and no signs of it remained at the time of inspection.

6.4.6 Recommended Action

The former waste oil UST should be included in a RCRA Facility Investigation to determine the extent of contamination. A risk assessment should be prepared to identify the risk associated with the contaminants and the results should be used to determine whether remedial activities are necessary.

6.5 SWMU 5 - Ash Mountain Primary Accumulation Center

The Ash Mountain primary accumulation center is located near the automotive shop at the Ash Mountain Maintenance Facility and is directly adjacent to the used oil AST. This accumulation point is the final holding location for waste generated throughout the parks before being shipped off site. The accumulation center is a secure, enclosed storage shed with containment.

6.5.1 Waste Characteristics

Manifest records from DTSC's internal Hazardous Waste Tracking System indicate that a variety of wastes may be stored in the primary accumulation center including tetrachloroethylene, benzene, zinc phosphide, arsenic, mercury, lindane, ignitables, and corrosives.

6.5.2 Pollutant Migration Pathways

Pollutant migration pathways include spills from containers, container failure, and precipitation runoff.

6.5.3 Evidence of a Release

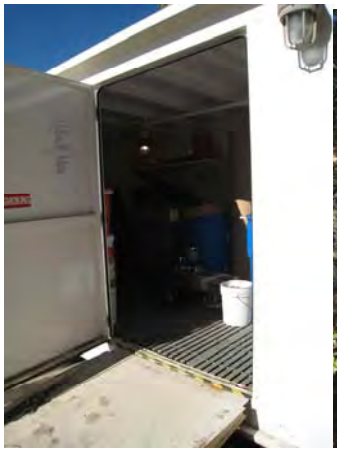
There is no documented release from the Primary Accumulation Center. The storage shed provides containment for accidental breach of containers or spills. The shed is located on a concrete pad. Visual site inspection indicated that no cracks or holes were visual in the storage shed containment floor. The storage shed is covered and the contents are protected from precipitation run off.

6.5.4 Exposure Potential

Due to the observed integrity of the storage shed, the potential for exposure to contaminants is low.

6.5.5 Results of Visual Site Inspection

The storage shed appeared to be in sound condition at the time of inspection. There was no visible evidence of a release from the shed.



6.5.6 Recommended Action

No further action is recommended.

6.6 SWMU 6 – Ash Mountain Fuel Station 10,000 Gallon UST

The Fuel Station UST is located at the Ash Mountain Maintenance Facility.

6.6.1 Waste Characteristics

The tank is used to store unleaded fuel.

6.6.2 Pollutant Migration Pathways

Pollutant migration pathways associated with USTs include overflow to soil or groundwater, shell failure or corrosion to soil or groundwater, leaks from ancillary equipment to soil or groundwater, and leaks from coupling operations to soil or groundwater.

6.6.3 Evidence of a Release

The tank was not observed during the visual site inspection.

6.6.4 Exposure Potential

Due to the lack of observation of the tank and surroundings, the potential for exposure is unknown.

6.6.5 Results of Visual Site Inspection

The tank was not observed during the visual site inspection.

6.6.6 Recommended Action

Due to the unknown exposure potential, an inspection should be included in a RCRA Facility Investigation to verify that a release has not occurred.

6.7 SWMU 7 – Ash Mountain Warehouse 3,000 Gallon AST

The Warehouse AST is located at the Ash Mountain Maintenance Facility.

6.7.1 Waste Characteristics

The tank is used to store diesel fuel.

6.7.2 Pollutant Migration Pathways

Pollutant migration pathways associated with ASTs include overflow to soil or groundwater, shell failure or corrosion to soil or groundwater, leaks from ancillary equipment to soil or groundwater, and leaks from coupling operations to soil or groundwater.

6.7.3 Evidence of a Release

The tank was not observed during the visual site inspection.

6.7.4 Exposure Potential

Due to the lack of observation of the tank and surroundings, the potential for exposure is unknown.

6.7.5 Results of Visual Site Inspection

The tank was not observed during the visual site inspection.

6.7.6 Recommended Action

Due to the unknown exposure potential, an inspection should be included in a RCRA Facility Investigation to verify that a release has not occurred.

6.8 SWMU 8 – Ash Mountain Auto Shop 3,000 Gallon AST

The Auto Shop AST is located at the Ash Mountain Maintenance Facility.

6.8.1 Waste Characteristics

The tank is used to store diesel fuel.

6.8.2 Pollutant Migration Pathways

Pollutant migration pathways associated with ASTs include overflow to soil or groundwater, shell failure or corrosion to soil or groundwater, leaks from ancillary equipment to soil or groundwater, and leaks from coupling operations to soil or groundwater.

6.8.3 Evidence of a Release

There is no evidence of a release from this tank.

6.8.4 Exposure Potential

Due to the lack of evidence of a release, the potential for exposure is low.

6.8.5 Results of Visual Site Inspection

The tank was observed during the visual site inspection and appeared to be in sound condition.

6.8.6 Recommended Action

Due to the lack of evidence of a release, no further action is required.

6.9 SWMU 9 – Ash Mountain Emergency Generator 1,000 Gallon AST

The Emergency Generator AST is located at the Ash Mountain Maintenance Facility.

6.9.1 Waste Characteristics

The tank is used to store diesel fuel.

6.9.2 Pollutant Migration Pathways

Pollutant migration pathways associated with ASTs include overflow to soil or groundwater, shell failure or corrosion to soil or groundwater, leaks from ancillary

equipment to soil or groundwater, and leaks from coupling operations to soil or groundwater.

6.9.3 Evidence of a Release

The tank was not observed during the visual site inspection.

6.9.4 Exposure Potential

Due to the lack of observation of the tank and surroundings, the potential for exposure is unknown.

6.9.5 Results of Visual Site Inspection

The tank was not observed during the visual site inspection.

6.9.6 Recommended Action

Due to the unknown exposure potential, an inspection should be included in a RCRA Facility Investigation to verify that a release has not occurred.

6.10 SWMU 10 – Former Giant Forest Standard Oil Shed UST

The Giant Forest Standard Oil Shed was installed circa 1929 and was operated by the Standard Oil Company of California until the early 1960s. The service station was located in Giant Forest approximately 140 feet northeast of the existing Giant Forest Village Museum and 19 feet southeast of the centerline of Generals Highway. Although a number of tanks were removed with the service station in the early 1960's, a 2,000-gallon UST was left behind and eventually removed on May 3, 2000 (Consolidated).

6.10.1 Waste Characteristics

The UST was used to store motor fuels until the early 1960s.

6.10.2 Pollutant Migration Pathways

Pollutant migration pathways associated with underground storage tanks include overflow into soils, tank wall failures to soil, leaks from ancillary equipment, and spillage from waste handling and coupling/uncoupling operations.

6.10.3 Evidence of a Release

During the removal of the tank, the contractor noted petroleum product and water in the tank. Soil staining and petroleum odors were observed in the soils around the tank, and petroleum odors were detected in groundwater samples collected during the excavation.

Petroleum constituent presence in soil and groundwater was verified through laboratory analysis. Laboratory analysis of samples indicated that Total Petroleum Hydrocarbons (TPH) as diesel, TPH gasoline, Total Recoverable Petroleum Hydrocarbons, Xylenes, Toluene, and MTBE were detected in soil and groundwater (Consolidated).

A remediation plan to excavate impacted soils was implemented by Petrosious Construction under oversight from the County of Tulare Environmental Health Services Department from October 2 to October 4, 2000. The excavations were expanded due to the discovery of petroleum hydrocarbons at greater depths and lateral extents than planned for (Consolidated Nov 2000). Contamination was left in place due to physical constraints of site conditions, and the conclusion of the Excavation Report indicated that there was no plan to continue further excavations (Consolidated November 2000). Analytical results of confirmation samples collected around the excavation site indicates that contaminants still remain.

6.10.4 Exposure Potential

Due to the evidence of contaminants left in soil and the close proximity to Little Deer Creek, the potential for exposure to contaminants is high.

6.10.5 Results of Visual Site Inspection

The site of the former UST was not observed during the visual site inspection.

6.10.6 Recommended Action

The former UST should be included in a RCRA Facility Investigation to determine the remaining extent of contamination. A risk assessment should be prepared to identify the risk associated with the contaminants and the results should be used to determine whether remedial activities are necessary.

6.11 SWMU 11 – Former Lodgepole Incinerator

According to the RCRA Facility Questionnaire prepared by the National Park Service, the incinerator was used to burn domestic waste from 1931 to 1965 and was demolished in the 1990's. The former incinerator was located near Beetle Rock. The Questionnaire indicates that documentation was enclosed, but additional information is not included for this site. According to the DTSC's RCRA Facility Assessment of 1997, the ash from this incinerator was buried in county authorized dumps called "Camp 19 or Woodard" (Shaulis).

6.11.1 Waste Characteristics

The incinerator was used to burn domestic waste from 1929 until 1965.

6.11.2 Pollutant Migration Pathways

Pollutant migration pathways associated with the area include migration of leachate and runoff to surrounding soils and surface waters, seepage to surrounding soils, deposition of incinerator ash to nearby soils, and precipitation runoff to surrounding surface and subsurface.

6.11.3 Evidence of a Release

There is limited information as to the activities conducted in the area and the toxicity of the incinerator ash.

6.11.4 Exposure Potential

Due to the potential toxicity of incinerator ash and the proximity of the incinerator to Little Deer Creek, the potential for exposure to contaminants through surface water runoff and leachate seepage is high.

6.11.5 Results of Visual Site Inspection

The general area of the former incinerator was located during the visual site inspection. Broken dishes and other debris were observed in this area.

6.11.6 Recommended Action

The former incinerator should be included in a RCRA Facility Investigation to determine whether soils have been impacted from the operation of the incinerator. The RCRA Facility Investigation should determine whether soil in the area is a hazardous waste subject to the requirements of RCRA. The results of the investigation should be used to determine whether remedial activities are necessary.

6.12 <u>SWMU 12 – Former Wolverton Burn Pit</u>

According to the RCRA Facility Questionnaire, the Wolverton Burn Pit was closed in the mid-1960s and a water treatment plant was erected over the site. The burn pit was

located in the area of the existing Wolverton water treatment plant at Wolverton (Sorenson).

6.12.1 Waste Characteristics

There is no available information describing the types of waste burned at this site.

6.12.2 Pollutant Migration Pathways

Pollutant migration pathways associated with the area include migration of leachate and runoff to surrounding soils and surface waters, seepage to surrounding soils, and precipitation runoff to surrounding surface and subsurface.

6.12.3 Evidence of a Release

There is limited information as to the activities conducted in the area and the toxicity of the debris.

6.12.4 Exposure Potential

Due to the potential toxicity of burned debris and the proximity of the burn pit to Wolverton Creek, the potential for exposure to contaminants through surface water runoff and leachate seepage is high.

6.12.5 Results of Visual Site Inspection

The former burn pit was not observed during the visual site inspection.

6.12.6 Recommended Action

Due to the lack of available information for this site and the potential exposure to sensitive receptors, the former burn pit should be included in a RCRA Facility Investigation to determine whether soil is a hazardous waste subject to the requirements of RCRA. The results of the investigation should be used to determine whether remedial activities are necessary.

6.13 SWMUs 13, 14, 15, 16, and 17 – Former Lodgepole Service Station USTs

According to the RCRA Facility Questionnaire, this service station began operating circa the late 1960s and ceased operations during the late 1990's. The former service station is located just south of Lodgepole and the Marble Fork of the Kaweah River. The service station utilized two 12,000-gallon USTs for gasoline (SWMUs 13 and 14), a 5,000-gallon UST for diesel (SWMU 15), a 1,000-gallon UST for diesel (SWMU 16), and a 1,000-gallon UST for waste oil (SWMU 17). All five tanks were removed in 1997. The Tulare

County Health and Human Services Agency provided oversight for corrective action at the site and issued a Remedial Action Completion Certification on January 16, 2001.

6.13.1 Waste Characteristics

The former service station used USTs to store gasoline, diesel, and waste oil.

6.13.2 Pollutant Migration Pathways

Pollutant migration pathways associated with the area include migration of leachate and runoff to surrounding soils and surface waters, seepage to surrounding soils, and precipitation runoff to surrounding surface and subsurface. A letter dated January 16, 2001, from the Tulare County Health and Human Services Agency indicates that surface water (the Marble Fork of the Kaweah River) is affected by the leaking tanks and indicates that low concentrations of gasoline constituents were detected 150 feet downgradient in the Kaweah River (Dwoskin).

6.13.3 Evidence of a Release

The site was included in the Leaking Underground Fuel Storage Tank Program of the Tulare County Environmental Health Program.

6.13.4 Exposure Potential

Due to the documented release to surface waters, the exposure potential is high.

6.13.5 Results of Visual Site Inspection

The former service station was observed during the inspection. The building is currently being used for storage. Floor drains were observed inside the building and no evidence of the former tanks was observed.

6.13.6 Recommended Action

Due to the lack of available information for this site and the potential exposure to sensitive receptors, the USTs should be included in a RCRA Facility Investigation to confirm that soil and groundwater are not impacted. DTSC requests that the National Park Service provide DTSC with the reports and associated documents related to the closure of the station.

6.14 SWMU 18 – Lodgepole Recreation Hall AST

According to the RCRA Facility Questionnaire, the tank was used to fuel the heating system of the recreation hall and is scheduled to be removed. The AST is located just south of Lodgepole and the Marble Fork of the Kaweah River at the former Lodgepole Service Station.

6.14.1 Waste Characteristics

The tank was used to store diesel fuel.

6.14.2 Pollutant Migration Pathways

Pollutant migration pathways associated with ASTs include overflow to soil or groundwater, shell failure or corrosion to soil or groundwater, leaks from ancillary equipment to soil or groundwater, and leaks from coupling operations to soil or groundwater.

6.14.3 Evidence of a Release

The tank was not observed during the visual inspection.

6.14.4 Exposure Potential

Due to the lack of observation of the tank and surroundings, the potential for exposure is unknown.

6.14.5 Results of Visual Site Inspection

The tank was not observed during the visual site inspection.

6.14.6 Recommended Action

Due to the unknown exposure potential, the AST should be included in a RCRA Facility Investigation to confirm that media has not been impacted by a release.

6.15 SWMU 19 – Lodgepole Sewer Lift Station Emergency Generator Tank

According to the RCRA Facility Questionnaire, this 1,000-gallon tank is used to provide fuel for an emergency generator at the Lodgepole lift station. The lift station is located just south of Lodgepole and the Marble Fork of the Kaweah River at the former Lodgepole Service Station.

6.15.1 Waste Characteristics

The tank is used to store diesel fuel.

6.15.2 Pollutant Migration Pathways

Pollutant migration pathways associated with ASTs include overflow to soil or groundwater, shell failure or corrosion to soil or groundwater, leaks from ancillary equipment to soil or groundwater, and leaks from coupling operations to soil or groundwater.

6.15.3 Evidence of a Release

There is no evidence of a release from this tank.

6.15.4 Exposure Potential

Due to the lack of evidence of a release, the potential for exposure is low.

6.15.5 Results of Visual Site Inspection

The tank was observed during the visual site inspection, and it appeared to be structurally sound. No evidence of leaking was observed.

6.15.6 Recommended Action

Due to the low exposure potential and lack of evidence of a release, no further action is required.

6.16 SWMU 20 – Former Clover Creek Incinerator

According to the RCRA Facility Questionnaire, the Clover Creek Incinerator was used to burn domestic waste from 1960 until the late 1960s. The incinerator was dismantled around 1976, and the Clover Creek Waste Water Treatment Plant was erected over the footprint. The former incinerator was located at the Clover Creek Wastewater Treatment Unit west of Clover Creek between Lodgepole and Red Fir.

6.16.1 Waste Characteristics

The incinerator was used to burn domestic waste.

6.16.2 Pollutant Migration Pathways

The pollutant migration pathways associated with the area include spills from containers or from waste handling, spills from container failure, spills due to mechanical failure, subsequent migration of spillage through soils, deposition of incinerated ash onto soils, and precipitation runoff to underlying soils.

6.16.3 Evidence of a Release

There is limited information about this site or about possible releases to soil.

6.16.4 Exposure Potential

Due to the proximity to Clover Creek and the potential toxicity of contaminated soils, the potential for exposure is high.

6.16.5 Results of Visual Site Inspection

The site was not observed during the visual site inspection.

6.16.6 Recommended Action

Due to the lack of available information for this site and the potential exposure to sensitive receptors, the former incinerator should be included in a RCRA Facility Investigation to determine whether soil is a hazardous waste subject to the requirements of RCRA. The results of the investigation should be used to determine whether remedial activities are necessary.

6.17 SWMU 21 – Clover Creek Wastewater Treatment Unit AST

The Clover Creek Wastewater Treatment Unit is located west of Clover Creek between Lodgepole and Red Fir.

6.17.1 Waste Characteristics

The 1,000-gallon tank is used to store diesel fuel.

6.17.2 Pollutant Migration Pathways

Pollutant migration pathways associated with ASTs include overflow to soil or groundwater, shell failure or corrosion to soil or groundwater, leaks from ancillary equipment to soil or groundwater, and leaks from coupling operations to soil or groundwater.

6.17.3 Evidence of a Release

The tank was not observed during the visual site inspection.

6.17.4 Exposure Potential

Due to the lack of observation of the tank and surroundings, the potential for exposure is unknown.

6.17.5 Results of Visual Site Inspection

The tank was not observed during the visual site inspection.

6.17.6 Recommended Action

Due to the unknown exposure potential, an inspection should be included in a RCRA Facility Investigation to verify that media has not been impacted by a release.

6.18 SWMU 22 – Red Fir Used Oil AST

According to the RCRA Facility Questionnaire, this 250-gallon tank was installed in September 2006 in the lower level maintenance building at Red Fir. The tank is double-walled and is used to store used oil.

6.18.1 Waste Characteristics

The tank is used to store used oil.

6.18.2 Pollutant Migration Pathways

Pollutant migration pathways associated with ASTs include overflow to soil or groundwater, shell failure or corrosion to soil or groundwater, leaks from ancillary equipment to soil or groundwater, and leaks from coupling operations to soil or groundwater.

6.18.3 Evidence of a Release

There is no evidence of a release from this tank.

6.18.4 Exposure Potential

Due to the lack of evidence of a release, the potential for exposure is low.

6.18.5 Results of Visual Site Inspection

The tank was observed during the visual site inspection and appeared to be in sound condition.

6.18.6 Recommended Action

Due to the lack of evidence of a release, no further action is required.

6.19 SWMU 23 – Red Fir Waste Oil UST

According to the RCRA Facility Questionnaire, this 1,000-gallon UST was installed in December 1988 and removed under oversight from the Tulare County Health and Human Services in October 2006. The tank was steel with an asphalt coating and was located under the driveway adjacent to the lower level maintenance building at Red Fir.

6.19.1 Waste Characteristics

The tank was used to store waste oil.

6.19.2 Pollutant Migration Pathways

Pollutant migration pathways associated with USTs include overflow to soil or groundwater, shell failure or corrosion to soil or groundwater, leaks from ancillary equipment to soil or groundwater, and leaks from coupling operations to soil or groundwater.

6.19.3 Evidence of a Release

The Tulare County Health and Human Services Agency provided oversight for the removal of this tank and issued a no further action determination on October 9, 2006. The letter indicates that no significant soil contamination is present beneath the tank; however, the sampling and analysis data was not included.

6.19.4 Exposure Potential

Due to the conclusion by the Tulare County Health and Human Services Agency, the potential for exposure is low; however, the conclusion should be confirmed with additional data.

6.19.5 Results of Visual Site Inspection

The tank was not observed during the visual site inspection.

6.19.6 Recommended Action

Due to the lack of sampling and analysis information for this site, the UST should be included in a RCRA Facility Investigation to confirm that soil and groundwater are not impacted. DTSC requests that the National Park Service provide DTSC with the reports and associated documents from the Tulare County Health and Human Services Agency related to the closure of the UST.

6.20 SWMU 24 - Red Fir Satellite Accumulation Unit

According to the RCRA Facility Questionnaire, the satellite accumulation unit is located at the east corner of the upper Red Fir Maintenance building.

6.20.1 Waste Characteristics

The satellite accumulation unit is used to store waste prior to off-site shipment. According to the RCRA Facility Questionnaire, typical waste streams include universal waste batteries and fluorescent light bulbs, discarded 1-lb propane canisters, clean-up waste containing fertilizers and weed-killers, waste fuel, and spill clean-up absorbents.

6.20.2 Pollutant Migration Pathways

Pollutant migration pathways include spills from containers, container failure, and precipitation runoff.

6.20.3 Evidence of a Release

There is no evidence of a release from this unit.

6.20.4 Exposure Potential

Due to the lack of evidence of a release, the potential for exposure is low.

6.20.5 Results of Visual Site Inspection

The satellite accumulation unit was observed during the visual site inspection and appeared to be in sound condition.

6.20.6 Recommended Action

Due to the lack of evidence of a release and the sound condition of the unit, no further action is required.

6.21 SWMU 25 – Red Fir Fuel Station 10,000-Gallon Diesel Tank

According to the RCRA Facility Questionnaire, the tank was removed in August 2008. The Questionnaire also states that closure documentation is included, but there is no closure documentation. The Fuel Station is located at the lower level of the Red Fir Maintenance Facility.

6.21.1 Waste Characteristics

The tank was used to store diesel fuel.

6.21.2 Pollutant Migration Pathways

Pollutant migration pathways associated with USTs include overflow to soil or groundwater, shell failure or corrosion to soil or groundwater, leaks from ancillary equipment to soil or groundwater, and leaks from coupling operations to soil or groundwater.

6.21.3 Evidence of a Release

Since closure documentation for this tank was not submitted, it is not known whether evidence of a release has been documented.

6.21.4 Exposure Potential

The exposure potential is unknown. More information is needed.

6.21.5 Results of Visual Site Inspection

At the time of the visual site inspection, the tanks described under SWMUs 25 and 26 had just been pulled and backfilled. The surface was being prepared for final cover.

6.21.6 Recommended Action

Confirmation sampling results from around the tank should be available as part of the final closure for the tank. Closure documentation should be forwarded to DTSC as part of a RCRA Facility Investigation to determine whether additional activities are necessary.

6.22 SWMU 26 – Red Fir Fuel Station 10,000-Gallon Unleaded Fuel Tank

According to the RCRA Facility Questionnaire, the tank was removed in August 2008. The Questionnaire also states that closure documentation is included, but there is no closure documentation. The Fuel Station is located at the lower level of the Red Fir Maintenance Facility.

6.22.1 Waste Characteristics

The tank was used to store unleaded fuel.

6.22.2 Pollutant Migration Pathways

Pollutant migration pathways associated with USTs include overflow to soil or groundwater, shell failure or corrosion to soil or groundwater, leaks from ancillary equipment to soil or groundwater, and leaks from coupling operations to soil or groundwater.

6.22.3 Evidence of a Release

Since closure documentation for this tank was not submitted, it is not known whether evidence of a release has been documented.

6.22.4 Exposure Potential

The exposure potential is unknown. More information is needed.

6.22.5 Results of Visual Site Inspection

At the time of the visual site inspection, the tanks described under SWMUs 25 and 26 had just been pulled and backfilled. The surface was being prepared for final cover.

6.22.6 Recommended Action

Confirmation sampling results from around the tank should be available as part of the final closure for the tank. Closure documentation should be forwarded to DTSC as part of a RCRA Facility Investigation to determine whether additional activities are necessary.

6.23 SWMU 27 – Red Fir Lower Level 4,000-Gallon Fuel Tank

According to the RCRA Facility Questionnaire, the tank is located under the parking lot adjacent to the lower maintenance building at Red Fir.

6.23.1 Waste Characteristics

The tank is used to store heating oil to fuel the heating system for the lower maintenance building.

6.23.2 Pollutant Migration Pathways

Pollutant migration pathways associated with USTs include overflow to soil or groundwater, shell failure or corrosion to soil or groundwater, leaks from ancillary equipment to soil or groundwater, and leaks from coupling operations to soil or groundwater.

6.23.3 Evidence of a Release

The tank was not observed during the visual site inspection because it is located under the parking lot.

6.23.4 Exposure Potential

Due to the lack of evidence of a release, the exposure potential is low.

6.23.5 Results of Visual Site Inspection

The tank was not observed during the visual site inspection.

6.23.6 Recommended Action

Due to the lack of evidence of a release, no further action is required.

6.24 SWMU 28 – Red Fir Upper Level 4,000-Gallon Fuel Tank

According to the RCRA Facility Questionnaire, the tank is located under the parking lot adjacent to the upper maintenance building at Red Fir.

6.24.1 Waste Characteristics

The tank is used to store heating oil to fuel the heating system for the upper maintenance building.

6.24.2 Pollutant Migration Pathways

Pollutant migration pathways associated with USTs include overflow to soil or groundwater, shell failure or corrosion to soil or groundwater, leaks from ancillary equipment to soil or groundwater, and leaks from coupling operations to soil or groundwater.

6.24.3 Evidence of a Release

There is no evidence of a release from this tank.

6.24.4 Exposure Potential

Due to the lack of evidence of a release, the exposure potential is low.

6.24.5 Results of Visual Site Inspection

The tank was not observed during the visual site inspection because it is located under the parking lot.

6.24.6 Recommended Action

Due to the lack of evidence of a release, no further action is required.

6.25 SWMU 29 – Red Fir Waste Oil UST

According to the RCRA Facility Questionnaire, the tank was installed under the driveway adjacent to the lower maintenance building at Red Fir in December 1988. The tank was removed in October 2006 under oversight by the Tulare County Health and Human Services Agency.

6.25.1 Waste Characteristics

The tank was used to store waste oil.

6.25.2 Pollutant Migration Pathways

Pollutant migration pathways associated with USTs include overflow to soil or groundwater, shell failure or corrosion to soil or groundwater, leaks from ancillary equipment to soil or groundwater, and leaks from coupling operations to soil or groundwater.

6.25.3 Evidence of a Release

The RCRA Facility Questionnaire indicates that the Tulare County Health and Human Services Agency acknowledged that no further action was required for the tank. However, sampling analysis results from beneath the tank are not included in the Questionnaire.

6.25.4 Exposure Potential

Due to the lack of analysis results from sampling, the exposure potential is unknown.

6.25.5 Results of Visual Site Inspection

The tank was not observed during the visual site inspection.

6.25.6 Recommended Action

Confirmation sampling results from beneath the tank should be available as part of the final closure for the tank. Closure documentation should be forwarded to DTSC as part of a RCRA Facility Investigation to verify that media has not been impacted by a release.

6.26 SWMU 30 – Red Fir 6,000-Gallon Unleaded Fuel AST

According to the RCRA Facility Questionnaire, the tank is part of the Red Fir Maintenance Fuel Station located across the driveway from the lower maintenance building.

6.26.1 Waste Characteristics

The tank is used to store unleaded fuel.

6.26.2 Pollutant Migration Pathways

Pollutant migration pathways associated with ASTs include overflow to soil or groundwater, shell failure or corrosion to soil or groundwater, leaks from ancillary equipment to soil or groundwater, and leaks from coupling operations to soil or groundwater.

6.26.3 Evidence of a Release

The tank was not observed during the visual site inspection.

6.26.4 Exposure Potential

Due to the lack of observation of the tank and surroundings, the exposure potential is unknown.

6.26.5 Results of Visual Site Inspection

The tank was not observed during the visual site inspection.

6.26.6 Recommended Action

Due to the unknown exposure potential, an inspection should be included in a RCRA Facility Investigation to verify that media has not been impacted by a release.

6.27 SWMU 31 – Red Fir 6,000-Gallon Diesel Fuel AST

According to the RCRA Facility Questionnaire, the tank is part of the Red Fir Maintenance Fuel Station located across the driveway from the lower maintenance building.

6.27.1 Waste Characteristics

The tank is used to store diesel fuel.

6.27.2 Pollutant Migration Pathways

Pollutant migration pathways associated with ASTs include overflow to soil or groundwater, shell failure or corrosion to soil or groundwater, leaks from ancillary equipment to soil or groundwater, and leaks from coupling operations to soil or groundwater.

6.27.3 Evidence of a Release

The tank was not observed during the visual site inspection.

6.27.4 Exposure Potential

Due to the lack of observation of the tank and surroundings, the exposure potential is unknown.

6.27.5 Results of Visual Site Inspection

The tank was not observed during the visual site inspection.

6.27.6 Recommended Action

Due to the unknown exposure potential, an inspection should be included in a RCRA Facility Investigation to verify that media has not been impacted by a release.

6.28 SWMUs 32, 33, 34, 35, and 36 – Former Grant Grove Chevron Station USTs

According to the RCRA Facility Questionnaire, the former gas station was operated by various concession operators in the Parks since the construction of the station in the late 1920s or early 1930s. The former Chevron Station is located just north of Grant Grove Village on Generals Highway. On July 20, 1987, five USTs were removed from the site including two 4,000-gallon gasoline USTs (SWMUs 32 and 33), one 8,000-gallon gasoline UST (SWMU 34), and two waste-oil/diesel USTs (SWMUs 35 and 36). The tanks were installed around 1959 (BSK).

6.28.1 Waste Characteristics

SWMUs 32, 33, and 34 were used to store gasoline, and SWMUs 35 and 36 were used to store waste oil and diesel fuel.

6.28.2 Pollutant Migration Pathways

Pollutant migration pathways associated with USTs include overflow to soil or groundwater, shell failure or corrosion to soil or groundwater, leaks from ancillary equipment to soil or groundwater, and leaks from coupling operations to soil or groundwater. A wetlands area exists directly behind the former service station.

6.28.3 Evidence of a Release

During removal of the tanks, petroleum hydrocarbons from leaking tanks were discovered in soil. Subsequent investigations in 1988 and 1989 confirmed the presence of gasoline constituents in soil and groundwater (BSK). Semi-annual groundwater sampling was conducted between 1993 and 2002. Analytical results of the samples indicate evidence of a release of gasoline associated constituents to groundwater (BSK). Results also indicate concentrations of contaminants that exceed California Maximum Contaminant Levels (MCLs).

6.28.4 Exposure Potential

Due to the evidence of a release and the close proximity to the wetlands area, the exposure potential is high.

6.28.5 Results of Visual Site Inspection

The former service station was observed during the visual site inspection.

6.28.6 Recommended Action

Due to the evidence of a release, concentrations of constituents exceeding MCLs, and the close proximity to the wetlands area, the former USTs should be included in a RCRA Facility Investigation to determine the remaining extent of contamination. A risk assessment should be prepared to identify the risk associated with the contaminants and the results should be used to determine whether remedial activities are necessary.

6.29 SWMU 37 – Dynamite Storage Structure

According to the History of the Parks, a dynamite storage structure was erected in 1964 in the Grant Grove area (Clemensen). No other information is available for the structure.

6.29.1 Waste Characteristics

The structure was used to store dynamite.

6.29.2 Pollutant Migration Pathways

Dynamite is reactive and may become less stable through decomposition.

6.29.3 Evidence of a Release

Little is known about the structure or its location, and it was not observed during the visual site inspection.

6.29.4 Exposure Potential

Due to the extremely reactive nature of dynamite and the lack of any information indicating the structure and contents have been removed, the exposure potential is high.

6.29.5 Results of Visual Site Inspection

The storage structure was not observed during the visual site inspection.

6.29.6 Recommended Action

Due to the extremely reactive nature of dynamite and the lack of any information indicating the structure and contents have been removed, the structure should be included in a RCRA Facility Investigation to determine its location. The investigation should also determine whether soils have been impacted from dynamite constituents and whether remediation activities are necessary.

6.30 AOC 1 – Grant Grove Equipment Shed and Supply Storage Building

According to the History of the Parks, the Equipment Shed and Supply Storage Building was originally constructed as a gas station. The building was constructed by the Civilian Conservation Corps in 1935 (Clemensen).

6.30.1 Waste Characteristics

The original structure was used as a gas station.

6.30.2 Pollutant Migration Pathways

Gas stations typically utilize gasoline storage tanks that may leak into soils and groundwater.

6.30.3 Evidence of a Release

Little is known about the structure or its location, but there is no evidence of a release from the structure.

6.30.4 Exposure Potential

Due to the age of the gasoline service operation and the potential for leaking gasoline tanks, the exposure potential is medium.

6.30.5 Results of Visual Site Inspection

The equipment shed was not observed during the visual site inspection.

6.30.6 Recommended Action

Due to the lack of information about this structure, it should be included in a RCRA Facility Investigation to determine its location and whether soils or groundwater have

been impacted. The investigation should also determine whether remediation activities are necessary.

6.31 SWMU 38 – Former Grant Grove Incinerator

According to the RCRA Facility Questionnaire, the former incinerator was used from 1929 to 1965. Limited information is available about the incinerator, but records indicate that construction was cancelled in 1965, inferring that the site may have been an open burn area. The incinerator was reportedly dismantled around 1975 (Sorenson). The former incinerator was located north of Grant Grove Village and the former Grant Grove Chevron Station, just west of the Generals Highway and northeast of the corral.

6.31.1 Waste Characteristics

The incinerator was used to burn domestic waste.

6.31.2 Pollutant Migration Pathways

The pollutant migration pathways associated with the area include spills from containers or from waste handling, spills from container failure, spills due to mechanical failure, subsequent migration of spillage through soils, deposition of incinerated ash onto soils, and precipitation runoff from the area and underlying soils.

6.31.3 Evidence of a Release

There is no evidence of a release from the former incinerator, but impact to soils is likely.

6.31.4 Exposure Potential

Due to the longevity of burning operations in the area (36 years), the likely impact to soils, and the proximity to heavily populated areas in the parks, the exposure potential is high.

6.31.5 Results of Visual Site Inspection

The incinerator location was observed during the visual site inspection, but it was unclear where burning operations occurred.

6.31.6 Recommended Action

Due to the lack of information about the incinerator, it should be included in a RCRA Facility Investigation to determine whether groundwater or soils have been impacted from operations. The investigation should also determine whether remediation activities are necessary.

6.32 SWMU 39 – Grant Grove Used Oil AST

According to the RCRA Facility Questionnaire, the 250-gallon tank is located in the Grant Grove Maintenance Building in the auto shop. The tank was installed in October 1992 (Sorenson).

6.32.1 Waste Characteristics

The tank is used to store used oil.

6.32.2 Pollutant Migration Pathways

Pollutant migration pathways associated with ASTs include overflow to soil or groundwater, shell failure or corrosion to soil or groundwater, leaks from ancillary equipment to soil or groundwater, and leaks from coupling operations to soil or groundwater.

6.32.3 Evidence of a Release

Although there is evidence of spills onto concrete from loading, there is no evidence of a release from the tank.

6.32.4 Exposure Potential

Due to the sound integrity of the tank and the concrete slab, the exposure potential is low.

6.32.5 Results of Visual Site Inspection

The tank was observed during the visual site inspection.

6.32.6 Recommended Action

Due to the lack of evidence of a release and the low exposure potential, no further action is required.

6.33 SWMU 40 – Grant Grove Waste Oil UST

According to the RCRA Facility Questionnaire, the 550-gallon tank was installed around 1967 under the driveway area behind the vehicle maintenance building at Grant Grove. The tank was removed in August 1994 (Sorenson), and DTSC accepted closure certification in a letter dated June 25, 1997 (DTSC).

6.33.1 Waste Characteristics

The tank was used to store waste oil.

6.33.2 Pollutant Migration Pathways

Pollutant migration pathways associated with USTs include overflow to soil or groundwater, shell failure or corrosion to soil or groundwater, leaks from ancillary equipment to soil or groundwater, and leaks from coupling operations to soil or groundwater.

6.33.3 Evidence of a Release

DTSC accepted closure certification for this tank in 1997.

6.33.4 Exposure Potential

Due to the closure certification of the tank, the exposure potential is low.

6.33.5 Results of Visual Site Inspection

This tank was not observed during the visual site inspection.

6.33.6 Recommended Action

Due to the accepted closure certification of the tank, no further action is required.

6.34 SWMU 41 – Grant Grove Satellite Accumulation Unit

According to the RCRA Facility Questionnaire, the unit is located across the driveway from the southeast corner of the maintenance building in Grant Grove. The capacity of the unit is six 55-gallon drums (Sorenson).

6.34.1 Waste Characteristics

The satellite accumulation unit is used to store waste prior to off-site shipment. According to the RCRA Facility Questionnaire, typical waste streams include universal waste batteries and fluorescent light bulbs, discarded 1-lb propane canisters, clean-up waste containing fertilizers and weed-killers, waste fuel, and spill clean-up absorbents.

6.34.2 Pollutant Migration Pathways

Pollutant migration pathways include spills from containers, container failure, and precipitation runoff.

6.34.3 Evidence of a Release

There is no evidence of a release from this unit.

6.34.4 Exposure Potential

Due to the lack of evidence of a release, the exposure potential is low.

6.34.5 Results of Visual Site Inspection

This unit was observed during the visual site inspection.

6.34.6 Recommended Action

Due to the lack of evidence of a release, no further action is required.

6.35 SWMU 42 – Grant Grove Waste Water Treatment Unit Diesel UST

According to the RCRA Facility Questionnaire, the tank is used to fuel a back-up generator at the Grant Grove Waste Water Treatment Plant (Sorenson). The Waste Water Treatment Plant is located west of the Swale Campground, east of Grant Grove Village and the Azalea Campground.

6.35.1 Waste Characteristics

The tank is used to store diesel fuel.

6.35.2 Pollutant Migration Pathways

Pollutant migration pathways associated with USTs include overflow to soil or groundwater, shell failure or corrosion to soil or groundwater, leaks from ancillary equipment to soil or groundwater, and leaks from coupling operations to soil or groundwater.

6.35.3 Evidence of a Release

The tank was not observed during the visual site inspection.

6.35.4 Exposure Potential

Due to the lack of observation of the tank and surroundings, the exposure potential is unknown.

6.35.5 Results of Visual Site Inspection

This tank was not observed during the visual site inspection.

6.35.6 Recommended Action

Due to the unknown exposure potential, an inspection should be included in a RCRA Facility Investigation to verify that media has not been impacted by a release.

6.36 SWMU 43 – Grant Grove Fuel Station Diesel UST

According to the RCRA Facility Questionnaire, the tank is located adjacent to the Grant Grove Maintenance Building. The tank was scheduled to be replaced in 2009 (Sorenson).

6.36.1 Waste Characteristics

The tank is used to store diesel fuel.

6.36.2 Pollutant Migration Pathways

Pollutant migration pathways associated with USTs include overflow to soil or groundwater, shell failure or corrosion to soil or groundwater, leaks from ancillary equipment to soil or groundwater, and leaks from coupling operations to soil or groundwater.

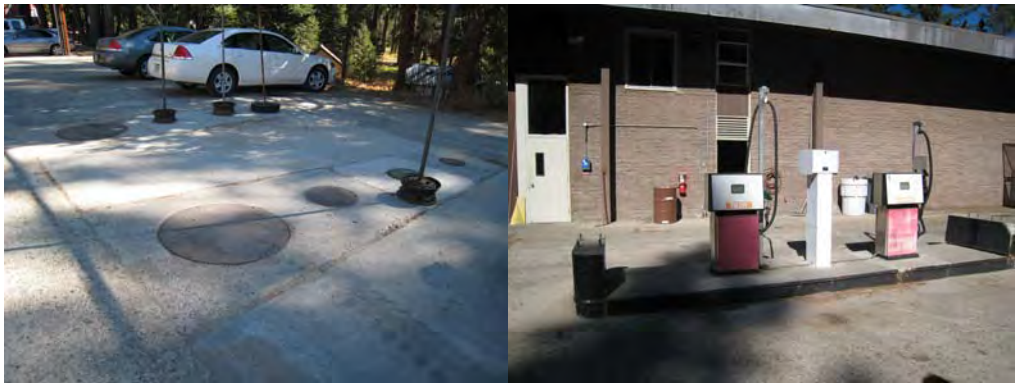
6.36.3 Evidence of a Release

There is no evidence of a release from this unit.

6.36.4 Exposure Potential

Due to the lack of evidence of a release, the exposure potential is low.

6.36.5 Results of Visual Site Inspection



The fuel station was observed during the visual site inspection.

6.36.6 Recommended Action

The Questionnaire indicates that the tanks were scheduled to be replaced in 2009. A copy of the tank closure certification and supporting documentation should be forwarded to DTSC as part of a RCRA Facility Investigation to determine whether groundwater or soils have been impacted from the tanks.

6.37 <u>SWMU 44 – Grant Grove Fuel Station Unleaded UST</u>

According to the RCRA Facility Questionnaire, the tank is located adjacent to the Grant Grove Maintenance Building. The tank was scheduled to be replaced in 2009 (Sorenson).

6.37.1 Waste Characteristics

The tank is used to store unleaded fuel.

6.37.2 Pollutant Migration Pathways

Pollutant migration pathways associated with USTs include overflow to soil or groundwater, shell failure or corrosion to soil or groundwater, leaks from ancillary equipment to soil or groundwater, and leaks from coupling operations to soil or groundwater.

6.37.3 Evidence of a Release

There is no evidence of a release from this unit.

6.37.4 Exposure Potential

Due to the lack of evidence of a release, the exposure potential is low.

6.37.5 Results of Visual Site Inspection

The fuel station was observed during the visual site inspection.

6.37.6 Recommended Action

The Questionnaire indicates that the tanks were scheduled to be replaced in 2009. A copy of the tank closure certification and supporting documentation should be forwarded to DTSC as part of a RCRA Facility Investigation to determine whether groundwater or soils have been impacted from the tanks.

6.38 AOC 2 – Former Cedar Grove Service Station

According to the History of the Parks, a service station was erected in 1941 in the Cedar Grove Visitor Area. The service station appears to have been located next to a market, snack bar and curio shop (Clemensen). No further information is available.

6.38.1 Waste Characteristics

Service stations generally store gasoline or diesel fuel in tanks.

6.38.2 Pollutant Migration Pathways

Pollutant migration pathways associated with tanks include overflow to soil or groundwater, shell failure or corrosion to soil or groundwater, leaks from ancillary equipment to soil or groundwater, and leaks from coupling operations to soil or groundwater.

6.38.3 Evidence of a Release

The location of the former service station is undetermined.

6.38.4 Exposure Potential

Due to the unknown location of this area and the potential for exposure to leaking tanks, the exposure potential is medium.

6.38.5 Results of Visual Site Inspection

The former service station was not observed during the visual site inspection.

6.38.6 Recommended Action

The location of this area is unclear from the brief description in the History of the Parks. The former service station should be included in a RCRA Facility Investigation to determine the location of the area and the locations of any remaining tanks. The investigation should determine whether groundwater and soils have been impacted from the prior operation.

6.39 SWMU 45 – Former Cedar Grove Incinerator

According to the RCRA Facility Questionnaire, the Cedar Grove Incinerator was used to burn domestic waste in the 1960s. The incinerator was dismantled in 1976, and a sanitary sewage treatment plant has been erected at the location (Sorenson). The sewage treatment plant is located at Mile 145 north of Highway 180, west of the Sheep Creek Campground at Cedar Grove.

6.39.1 Waste Characteristics

The former incinerator was used to burn domestic waste.

6.39.2 Pollutant Migration Pathways

Pollutant migration pathways associated with the area include migration of leachate and runoff to surrounding soils and surface waters, seepage to surrounding soils, deposition of incinerator ash to nearby soils, and precipitation runoff to surrounding surface and subsurface.

6.39.3 Evidence of a Release

There is limited information as to the activities conducted in the area and the toxicity of the incinerator ash.

6.39.4 Exposure Potential

Due to the potential toxicity of incinerator ash and the proximity of the incinerator to Lewis Creek and the Kings River, the potential for exposure to contaminants through surface water runoff and leachate seepage is high.

6.39.5 Results of Visual Site Inspection

The general area of the former incinerator was located during the visual site inspection. No evidence of the footprint of the former incinerator was observed.

6.39.6 Recommended Action

The former incinerator should be included in a RCRA Facility Investigation to determine the exact location of the incinerator and whether soils have been impacted from its operation. The RCRA Facility Investigation should determine whether soil in the area is a hazardous waste subject to the requirements of RCRA. The results of the investigation should be used to determine whether remedial activities are necessary.

6.40 SWMU 46 – Former Cedar Grove Burn Pit

According to the RCRA Facility Questionnaire, the Cedar Grove Burn Pit was operated from the 1930s until 1960 when the Cedar Grove Incinerator was built. The burn pit is located in the area of the existing sewage treatment plant (Sorenson). The sewage treatment plant is located at Mile 145 north of Highway 180, west of the Sheep Creek Campground at Cedar Grove.

6.40.1 Waste Characteristics

The former burn pit was used to burn domestic waste.

6.40.2 Pollutant Migration Pathways

Pollutant migration pathways associated with the area include migration of leachate and runoff to surrounding soils and surface waters, seepage to surrounding soils, deposition of incinerator ash to nearby soils, and precipitation runoff to surrounding surface and subsurface.

6.40.3 Evidence of a Release

There is limited information as to the activities conducted in the area.

6.40.4 Exposure Potential

Due to the potential toxicity of burned waste and the proximity of the incinerator to Lewis Creek and the Kings River, the potential for exposure to contaminants through surface water runoff and leachate seepage is high.

6.40.5 Results of Visual Site Inspection

The general area of the former burn pit was located during the visual site inspection. No evidence of the footprint of the former burn pit was observed.

6.40.6 Recommended Action

The former burn pit should be included in a RCRA Facility Investigation to determine the exact location of the burn pit and whether soils have been impacted from its operation. The RCRA Facility Investigation should determine whether soil in the area is a hazardous waste subject to the requirements of RCRA. The results of the investigation should be used to determine whether remedial activities are necessary.

6.41 SWMU 47 – Cedar Grove Satellite Accumulation Unit

According to the RCRA Facility Questionnaire, the Cedar Grove Satellite Accumulation Unit is located at the west end of the Cedar Grove Maintenance Building (Sorenson).

6.41.1 Waste Characteristics

The satellite accumulation unit is used to store waste prior to off-site shipment. According to the RCRA Facility Questionnaire, typical waste streams include universal waste batteries and fluorescent light bulbs, discarded 1-lb propane canisters, clean-up waste containing fertilizers and weed-killers, waste fuel, and spill clean-up absorbents.

6.41.2 Pollutant Migration Pathways

Pollutant migration pathways include spills from containers, container failure, and precipitation runoff.

6.41.3 Evidence of a Release

The Unit was not observed during the visual site inspection.

6.41.4 Exposure Potential

Due to the lack of observation of the Unit, the potential for exposure is unknown.

6.41.5 Results of Visual Site Inspection

The satellite accumulation unit was not observed during the visual site inspection.

6.41.6 Recommended Action

Due to the unknown exposure potential, an inspection of the satellite accumulation unit should be included in a RCRA Facility Investigation to verify that media has not been impacted by a release.

6.42 SWMUs 48, 49, and 50 – Cedar Grove Fuel Station ASTs

According to the RCRA Facility Questionnaire, the Cedar Grove Fuel Station is located at the east end of the Cedar Grove Maintenance Building (Sorenson). The fuel station consists of one 250-gallon diesel AST (SWMU 48), and two 1,000-gallon unleaded fuel ASTs (SWMUs 49 and 50).

6.42.1 Waste Characteristics

SWMU 48 is used to store diesel fuel and SWMUs 49 and 50 are used to store unleaded fuel.

6.42.2 Pollutant Migration Pathways

Pollutant migration pathways associated with ASTs include overflow to soil or groundwater, shell failure or corrosion to soil or groundwater, leaks from ancillary equipment to soil or groundwater, and leaks from coupling operations to soil or groundwater.

6.42.3 Evidence of a Release

The tanks were not observed during the visual site inspection.

6.42.4 Exposure Potential

Due to the lack of observation of the tanks, the exposure potential is unknown.

6.42.5 Results of Visual Site Inspection

The former service station was not observed during the visual site inspection.

6.42.6 Recommended Action

Due to the unknown exposure potential, an inspection should be included in a RCRA Facility Investigation to verify that media has not been impacted by a release.

7. Other Units

The parks also operate 26 Class V injection wells connected to local septic systems and four waste water treatment units. All injection wells in the Parks are Class V Injection Wells permitted under California Regional Water Quality Control Board Permit #97-10-DWO-R5022. The injection wells and locations are listed below:

System Description	Latitude/Longitude	Date of Installation	Date of Major Rehabilitation	Number of Sites/Facilities Served	Capacity Gallons	Estimated Flows Gallons /Day	Setbacks from surface water, ground water, wetlands
Buckeye Campground	36°31'20"N 118°45'46"W	1960	N/A	30 Sites	4000	500	300'
Hospital Rock Picnic Area	36°31'14"N 118°46'16"W	1960	N/A	1 Picnic Area	4000	1000	500'
Potwisha (upper)	36°31'3"N 118°47'56"W	1961	N/A	25 Sites	4000	1000	1000'
Potwisha (lower)	36°31'2"N 118°47'58"W	1961	N/A	35 Sites	4000	1000	500'
Potwisha Dumpstation	36°30'55"N 118°47'58"W	1961	N/A	1	4000	250	650'
Big Stump Picnic Area	36°43'15"N 118°58'10"W	1957	2000/01	1 Picnic Area	5000	1300	2000'
Lost Grove	36°39'4"N 118°49'36"W	1958	N/A	1 Parking Lot	4000	300	500'
Moro Rock	36°32'49"N 118°45'53"W	1963	1997	1 Parking Lot	4000	1000	250'
Crescent Meadow	36°33'18"N 118°44'51"W	1963	N/A	1 Parking Lot	4000	1000	200'
Crystal Cave Parking Lot	36°35'8"N 118°49'35"W	1963	N/A	1 Parking Lot	4000	4000	2000'
Dorst Dump Station	36°38'14"N 118°48'25"W	1956	1999	1	4000	500	110'
Dorst Campground (A Loop)	36°38'15"N 118°48'29"W	1956	N/A	30 Sites	4000	1000	350'
Dorst Campground (B Loop)	36°38'11"N 118°48'27"W	1956	N/A	30 Sites	4000	1000	125'
Dorst Campground (C Loop)	36°38'7"N 118°48'39"W	1956	N/A	30 Sites	4000	1000	250'
Dorst Campground (D Loop)	36°38'4"N 118°48'37"W	1956	N/A	30 Sites	4000	1000	650'
Dorst Campground (E Loop)	36°38'3"N 118°48'33"W	1956	N/A	30 Sites	4000	1000	500'
Dorst Campground (F Loop)	36°38'8"N 118°48'44"W	1956	N/A	30 Sites	4000	1000	600'
Dorst Campground (G Loop)	36°38'1"N 118°48'49"W	1956	1998	30 Sites	4000	1000	450'
Dorst Campground (G Loop)	36°37'59"N 118°48'53"W	1956	1998	30 Sites	4000	1000	175'
Dorst Campground (H Loop)	36°37'55"N 118°48'48"W	1956	1999	30 Sites	4000	1000	300'
Dorst Campground (Group Site)	36°38'3"N 118°48'57"W	1956	1999	1 Group Site	4000	250	150'
Dorst Campground (Group Site)	36°38'6"N 118°48'55"W	1956	1999	1 Group Site	4000	250	180'
Lodgepole Dumpstation	36°36'17"N 118°43'30"W	1989	N/A	1	4000	500	500'
Giant Forest	36°33'48"N 118°46'19"W	1998	N/A	2 Parking Lots	8000	5000	1000'
Wolverton Trailhead	36°35'47"N 118°44'00"W	1958	N/A	1 Parking Lot	4000	500	500'
Wolverton Parking Lot	36°35'45"N 118°44'5"W	1958	N/A	1 Parking Lot	4000	500	250'

8. Visual Site Inspection

8.1 Purpose of the Visual Site Inspection

The purpose of the visual site inspection was to identify SWMUs and to collect visual evidence of releases at the Parks. The major goals of the inspection included visually inspecting operations for evidence of releases in the entire Parks area, ensuring that all SWMUs and AOCs have been identified, filling data gaps in the file review, and providing a basis for recommendations concerning the need for additional investigations or Interim Measures for SMWUs and AOCs.

8.2 Summary of the Visual Site Inspection

The site inspection was conducted on October 15 and 16, 2008. The inspection began at the Ash Mountain entrance side of the Parks on October 15. Mr. Mike Sorenson, Environmental Safety and Health Program Manager for the National Park Service, accompanied Mr. Wayne Lorentzen from DTSC through the Parks. Most of the operations were observed and photographed for this report.

9. Recommendations

The following table shows the SWMUs and AOCs identified in this RCRA Facility Assessment and the associated recommendation for each SWMU or AOC:

	DESCRIPTION	LOCATION	RECOMMENDATION
SWMU 1	Former Ash Mountain Incinerator and Container Storage Area	Ash Mountain	RFI
SWMU 2	Former Incinerator Burial Pit	Ash Mountain	RFI
SWMU 3	Ash Mountain Used Oil Above Ground Storage Tank	Ash Mountain	NFA
SWMU 4	Former Ash Mountain Waste Oil UST	Ash Mountain	RFI
SWMU 5	Ash Mountain Primary Accumulation Center	Ash Mountain	NFA
SWMU 6	Ash Mountain Fuel Station 10,000 Gallon UST	Ash Mountain	RFI – Inspection
SWMU 7	Ash Mountain Warehouse 3,000 Gallon AST	Ash Mountain	RFI – Inspection
SWMU 8	Ash Mountain Auto Shop 3,000 Gallon AST	Ash Mountain	NFA
SWMU 9	Ash Mountain Emergency Generator 1,000 Gallon AST	Ash Mountain	RFI – Inspection
SWMU 10	Former Giant Forest Standard Oil Shed UST	Giant Forest	RFI
SWMU 11	Former Lodgepole Incinerator	Lodgepole	RFI
SWMU 12	Former Wolverton Burn Pit	Wolverton	RFI
SWMU 13	Former Lodgepole Service Station USTs	Lodgepole	RFI - Submit Docs
SWMU 14	Former Lodgepole Service Station USTs	Lodgepole	RFI - Submit Docs
SWMU 15	Former Lodgepole Service Station USTs	Lodgepole	RFI - Submit Docs
SWMU 16	Former Lodgepole Service Station USTs	Lodgepole	RFI - Submit Docs
SWMU 17	Former Lodgepole Service Station USTs	Lodgepole	RFI - Submit Docs
SWMU 18	Lodgepole Recreation Hall AST	Lodgepole	RFI
SWMU 19	Lodgepole Sewer Lift Station Emergency Generator Tank	Lodgepole	NFA
SWMU 20	Former Clover Creek Incinerator	Clover Creek	RFI
SWMU 21	Clover Creek Wastewater Treatment Unit AST	Clover Creek	RFI – Inspection
SWMU 22	Red Fir Used Oil AST	Red Fir	NFA
SWMU 23	Red Fir Waste Oil UST	Red Fir	RFI - Submit Docs
SWMU 24	Red Fir Satellite Accumulation Unit	Red Fir	NFA
SWMU 25	Red Fir Fuel Station 10,000-Gallon Diesel Tank	Red Fir	RFI - Submit Docs
SWMU 26	Red Fir Fuel Station 10,000-Gallon Unleaded Fuel Tank	Red Fir	RFI - Submit Docs
SWMU 27	Red Fir Lower Level 4,000-Gallon Fuel Tank	Red Fir	NFA
SWMU 28	Red Fir Upper Level 4,000-Gallon Fuel Tank	Red Fir	NFA
SWMU 29	Red Fir Waste Oil UST	Red Fir	RFI - Submit Docs
SWMU 30	Red Fir 6,000-Gallon Unleaded Fuel AST	Red Fir	RFI – Inspection

SWMU 31	Red Fir 6,000-Gallon Diesel Fuel AST	Red Fir	RFI - Inspection
SWMU 32	Former Grant Grove Chevron Station USTs	Grant Grove	RFI
SWMU 33	Former Grant Grove Chevron Station USTs	Grant Grove	RFI
SWMU 34	Former Grant Grove Chevron Station USTs	Grant Grove	RFI
SWMU 35	Former Grant Grove Chevron Station USTs	Grant Grove	RFI
SWMU 36	Former Grant Grove Chevron Station USTs	Grant Grove	RFI
SWMU 37	Dynamite Storage Structure	Grant Grove	RFI
SWMU 38	Former Grant Grove Incinerator	Grant Grove	RFI
SWMU 39	Grant Grove Used Oil AST	Grant Grove	NFA
SWMU 40	Grant Grove Waste Oil UST	Grant Grove	NFA
SWMU 41	Grant Grove Satellite Accumulation Unit	Grant Grove	NFA
SWMU 42	Grant Grove Waste Water Treatment Unit Diesel UST	Grant Grove	RFI - Inspection
SWMU 43	Grant Grove Fuel Station Diesel UST	Grant Grove	RFI - Submit Docs
SWMU 44	Grant Grove Fuel Station Unleaded UST	Grant Grove	RFI - Submit Docs
SWMU 45	Former Cedar Grove Incinerator	Cedar Grove	RFI
SWMU 46	Former Cedar Grove Burn Pit	Cedar Grove	RFI
SWMU 47	Cedar Grove Satellite Accumulation Unit	Cedar Grove	RFI - Inspection
SWMU 48	Cedar Grove Fuel Station ASTs	Cedar Grove	RFI - Inspection
SWMU 49	Cedar Grove Fuel Station ASTs	Cedar Grove	RFI - Inspection
SWMU 50	Cedar Grove Fuel Station ASTs	Cedar Grove	RFI - Inspection
AOC 1	Grant Grove Equipment Shed and Supply Storage Building	Grant Grove	RFI
AOC 2	Former Cedar Grove Service Station	Cedar Grove	RFI

RFI – RCRA Facility Investigation
NFA – No Further Action

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A7615- ASSESSMENT REPORT, SEQUOIA AND KINGS CANYON NATIONAL PARKS, 47050 GENERALS HIGHWAY, THREE RIVERS, CALIFORNIA; EPA ID. NO. CA6141790083

Dear Ms. Taylor-Goodrich:

The Department of Toxic Substances Control (DTSC) has completed the enclosed Assessment Report to document our recent site visit to Sequoia-Kings Canyon National Parks to assess six of the solid waste management units (SWMUs) identified in a 2010 Resource Conservation and Recovery Act (RCRA) Facility Assessment (RFA) report. A Standard Agreement for this assessment work between the National Park Service (NPS) and DTSC was fully executed on August 31, 2012 (Agreement Number 12-T0042).

Our assessment has concluded that further environmental investigation is needed to determine the nature and extent of any release of hazardous waste or hazardous waste constituents for SWMUs 2, 11, and 38. DTSC also has concluded that further investigation is not required under RCRA for SWMUs 20, 45, and 46.

DTSC is prepared to discuss with you the development of a draft Corrective Action Consent Agreement (CACA). The CACA will set out a framework whereby DTSC can work with NPS to resolve issues relating to potential release of hazardous materials at SWMUs 2, 11, and 38.

ASSESSMENT REPORT
PREPARED BY
CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

SIX SOLID WASTE MANAGEMENT UNITS
at
SEQUOIA-KINGS CANYON NATIONAL PARKS
47050 GENERALS HIGHWAY
THREE RIVERS, CALIFORNIA 93271
EPA ID. NO.: CA6141790083

1. INTRODUCTION

General

This Assessment Report has been prepared by the Department of Toxic Substances Control (DTSC or Department) to document the Department's recent site visit to Sequoia Kings Canyon National Parks to assess six of the solid waste management units (SWMUs) identified in a 2010 Resource Conservation and Recovery Act (RCRA) Facility Assessment (RFA) report. A Standard Agreement for this assessment work between the National Park Service and DTSC was fully executed on August 31, 2012 (Agreement Number 12-T0042).

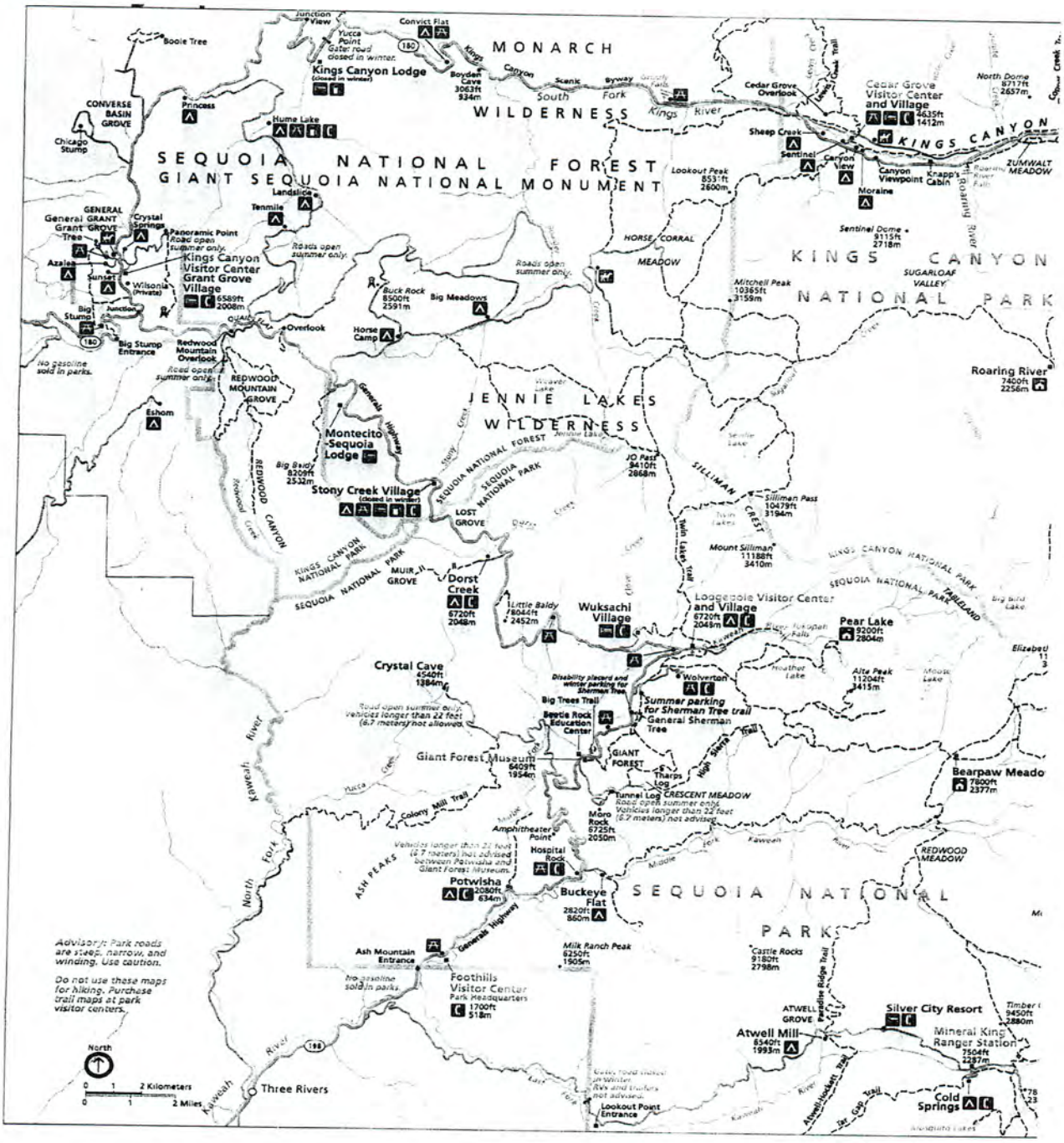
Document Organization

This Investigation Report is organized into six (6) sections as follows:

1. Introduction
2. General Description/Background
3. Solid Waste Management Units (SWMUs)
4. Summary

2. GENERAL DESCRIPTION / BACKGROUND

The Sequoia and Kings Canyon National Parks [SEKI or Park(s)] are located in central California on the western face of the Southern Sierra Nevada. The Sequoia National Park was established in 1890, and the Kings Canyon National Park was established in 1940. The two parks, encompassing 865,257 acres, are administered as one unit by the United States Department of the Interior, National Park Service (NPS). The Parks consist of several campground areas, visitor centers, and a vast reserve of wilderness areas. Additionally, the Parks contain maintenance facilities and storage areas for park administration. A park map is shown below.



The United States Department of the Interior applied for a Hazardous Waste Facility Permit to store hazardous waste for longer than 90 days. The Department of Health Services, predecessor to DTSC, issued a Hazardous Waste Facility Permit (Permit) to NPS on February 2, 1984. The Permit authorized the operation of the Ash Mountain Hazardous Waste Interim Storage Facility. The Permit expired on February 2, 1989, and the Parks began operating under generator status.

A RFA was prepared by DTSC in 1997, but did not include a visual site inspection of prior concession operations and some areas in the Parks; because of this, another more comprehensive RFA was prepared by the Department in 2010. The 2010 RFA identifies 50 SWMUs and two (2) areas of concern (AOCs) that have released or may release

hazardous waste or hazardous waste constituents into the environment. The SWMUs and AOCs identified in the 2010 RFA are as follows:

Ash Mountain Area:
SWMU 1 - Former Ash Mountain Incinerator and Container Storage Area
SWMU 2 - Former Incinerator Burial Pit
SWMU 3 - Ash Mountain Used Oil Above Ground Storage Tank (AST)
SWMU 4 - Former Ash Mountain Waste Oil Underground Storage Tank (UST)
SWMU 5 - Ash Mountain Primary Accumulation Center
SWMU 6 - Ash Mountain Fuel Station 10,000 Gallon UST
SWMU 7 - Ash Mountain Warehouse 3,000 Gallon AST
SWMU 8 - Ash Mountain Auto Shop 3,000 Gallon AST
SWMU 9 - Ash Mountain Emergency Generator 1,000 Gallon AST

Giant Forest Area:
SWMU 10 - Former Giant Forest Standard Oil Shed UST

Wolverton Area:
SWMU 12 - Former Wolverton Burn Pit

Lodgepole Area:
SWMU 11 - Former Lodgepole Incinerator
SWMU 13 - Former Lodgepole Service Station USTs
SWMU 14 - Former Lodgepole Service Station USTs
SWMU 15 - Former Lodgepole Service Station USTs
SWMU 16 - Former Lodgepole Service Station USTs
SWMU 17 - Former Lodgepole Service Station USTs
SWMU 18 - Lodgepole Recreation Hall AST
SWMU 19 - Lodgepole Sewer Lift Station Emergency Generator Tank

Clover Creek Area:
SWMU 20 - Former Clover Creek Incinerator
SWMU 21 - Clover Creek Wastewater Treatment Unit AST
SWMU 22 - Red Fir Used Oil Tank

Red Fir Area:
SWMU 23 - Red Fir Waste Oil UST
SWMU 24 - Red Fir Satellite Accumulation Center
SWMU 25 - Red Fir Fuel Station 10,000-Gallon Diesel Tank
SWMU 26 - Red Fir Fuel Station 10,000-Gallon Unleaded Fuel Tank
SWMU 27 - Red Fir Lower Level 4,000-Gallon Fuel Tank
SWMU 28 - Red Fir Upper Level 4,000-Gallon Fuel Tank
SWMU 29 - Red Fir Waste Oil UST
SWMU 30 - Red Fir 6,000-Gallon Unleaded Fuel AST
SWMU 31 - Red Fir 6,000-Gallon Diesel Fuel AST

Grant Grove Area:
SWMU 32 - Former Grant Grove Chevron Station USTs
SWMU 33 - Former Grant Grove Chevron Station USTs

SWMU 34 - Former Grant Grove Chevron Station USTs
SWMU 35 - Former Grant Grove Chevron Station USTs
SWMU 36 - Former Grant Grove Chevron Station USTs
SWMU 37 - Dynamite Storage Structure
SWMU 38 - Former Grant Grove Incinerator
SWMU 39 - Grant Grove Used Oil AST
SWMU 40 - Grant Grove Waste Oil UST
SWMU 41 - Grant Grove Satellite Accumulation Unit
SWMU 42 - Grant Grove Waste Water Treatment Unit Diesel UST
SWMU 43 - Grant Grove Fuel Station Diesel UST
SWMU 44 - Grant Grove Fuel Station Unleaded UST
AOC 1 - Grant Grove Equipment Shed and Supply Storage Building

Cedar Grove Area:
SWMU 45 - Former Cedar Grove Incinerator
SWMU 46 - Former Cedar Grove Burn Pit
SWMU 47 - Cedar Grove Satellite Accumulation Unit
SWMU 48 - Cedar Grove Fuel Station ASTs
SWMU 49 - Cedar Grove Fuel Station ASTs
SWMU 50 - Cedar Grove Fuel Station ASTs
AOC 2 - Former Cedar Grove Service Station

In December 2010, DTSC prepared a draft Corrective Action Consent Agreement (CACA). The CACA details the steps necessary to achieve a corrective action complete determination for the above 50 SWMUs and two AOCs. Following NPS review of the CACA, DTSC and representatives of the NPS met in February, 2011, to discuss the RFA and the CACA. NPS prepared a report to provide DTSC additional information with respect to the SWMUs and AOCs identified in 2010 RFA. DTSC agreed to consider the information presented in the NPS report and reevaluate the status of the SWMUs and AOCs identified in the 2010 RFA.

Based on our review of the NPS report, DTSC concluded that no further action (NFA) is appropriate under RCRA for 37 SWMUs identified in the RFA. DTSC also concluded that additional information for SWMUs 6, 12, 20, 30, 31, 48, 49, and 50 was required in order to make a no further action determination, and that based on the available information a RCRA Facility Investigation (RFI) was warranted for SWMUs 2, 11, 38, 45, and 46 and AOC 1 and AOC 2.

In response, NPS provided further clarification on the above SWMUs and AOCs in a series of informational letters to DTSC. Subsequently, DTSC refined our position and determined that further investigation was required for the SWMUs listed below.

SWMU 2 - Former Ash Mountain Incinerator Burial Pit
SWMU 11 - The Lodgepole Incinerator
SWMU 20 - Former Clover Creek Incinerator
SWMU 38 - Former Grant Grove Incinerator
SWMU 45 - Former Cedar Grove Incinerator
SWMU 46 - Former Cedar Grove Burn Pit

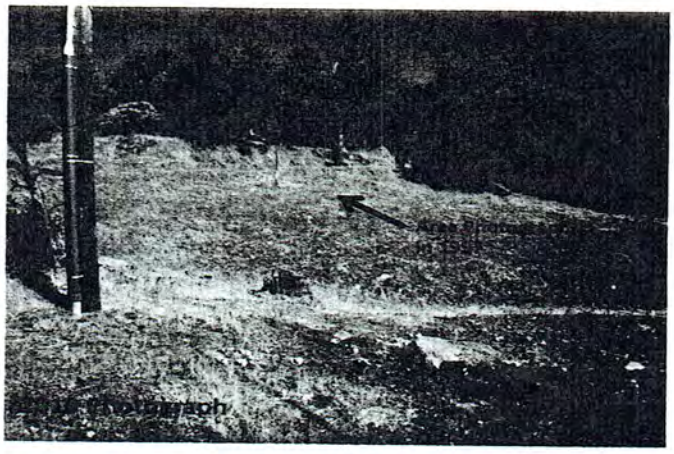
In order to address NPS's continued concerns regarding the need for sampling and the potential that sampling activities may undermining the structural integrity of site developments, DTSC and NPS representatives agreed to meet at SEKI and review the six SWMUs. An agreement between DTSC and NPS was fully executed on August 31, 2012 (Agreement Number 12-T0042).

3. SOLID WASTE MANAGEMENT UNITS (SWMUs)

On October 17, 2012, and October 18, 2012, DTSC staff of the Engineering and Special Projects Office (Mr. Rizgar Ghazi and Mr. Peter Ruttan) met with NPS personnel, which included Mr. Todd Payne, Mr. Jack Vance, Ms. Deb Pfenninger and Mr. Shawn Mulligan. DTSC staff was accompanied only by Mr. Payne and Ms. Pfenninger at SWMU 2. A description of the SWMUs and our observations are discussed briefly below.

SWMU 2 – Former Ash Mountain Incinerator Burial Pit

General



The pit was used to bury incinerator ash from the burning of domestic and concession waste generated in the parks (Former Ash Mountain Incinerator – SWMU1). The location of the former incinerator burial pit is not precisely known. The 1997 RFA report stated the pit as being located adjacent to Sycamore Road between the Ash Mountain entrance and the Ash Mountain Maintenance Area (right photo). This pit received ash from the Ash Mountain incinerator and campground fire pits. The pit was used from 1929 until 1966. The pit is described as being approximately 100 feet by 100 feet by 20 feet deep (approximately 7,400 cubic yards).

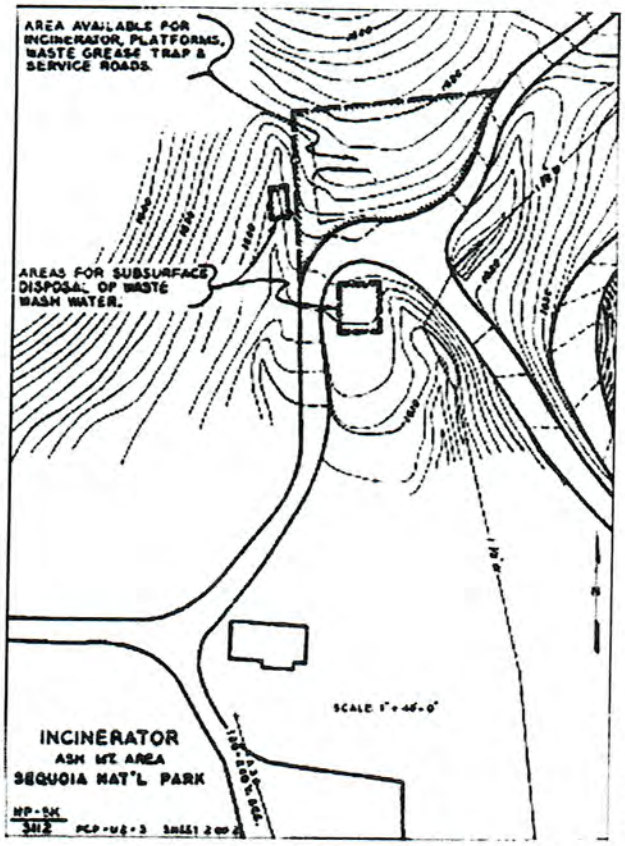
The 2010 RFA states that the burial pit is located approximately 50 feet southeast of the former incinerator and storage area. The area can be accessed from an unpaved road approximately ¼ mile north of the park entrance in Three Rivers (above photo).

October 17, 2012 – Site Visit

The area consists of the old incinerator area (SWMU 1), access road, and a storage building. We were informed by Mr. Payne that the burn debris area (SWMU 2) was

located directly beneath and down gradient of the storage building. This description of the area differs from the pictures that were provided in earlier documentation.

There was no visual surface evidence of burn debris at the location described by NPS. Discrepancies exist between accounts regarding the location where the burn debris is and where it was reported to DTSC earlier. The following map of the area was provided by NPS which in itself contributes to potential environmental concerns associated with the former burial pit. This illustration was drafted prior to construction of the Ash Mountain Incinerator (SWMU 1) and while it does not depict the former burial pit, it does implicate other potential disposal activities described on this map as "Areas for Subsurface Disposal of Waste Water".



Potential Complete Pathways

This area is frequented by NPS personnel and may be accessed by occasional trespassers. The area also can be accessed by park wildlife. A drainage swale extends from the NPS described location of the burn debris towards a former housing unit in the area. Pollutant migration pathways associated with the area include migration of leachate and runoff to surrounding soils.

Conclusions

Our visual observations of this area and information provided by NPS to date has not changed our initial opinion regarding the environmental integrity of this area. In previous communications to NPS, DTSC has stated that incinerator waste often contains elevated concentrations of hazardous chemicals, including but not limited to heavy metals and dioxins. When considering the results of previous testing by the United State Army Corps of Engineers (USACE) for SWMU 11 (described below), DTSC concludes that SWMU 2 is a site warranting further investigation under RCRA by this Department. The nature and extent of investigation should at a minimum include sampling soils and debris: 1) at the former burial pit area; 2) directly beneath and down gradient of the storage building; 3) and within the drainage swale that extends from the alleged burn debris area(s) towards a former housing unit in the area. In addition soil samples should be collected from areas depicted on the NPS provided map that suggests waste water disposal activities had occurred.

SWMU 11 – Lodgepole Incinerator

General

The Lodgepole Incinerator also referred to as the "Lower Kaweah Dump Area", was used to burn domestic waste from 1931 to 1965. The incinerator was dismantled about 1975. Ash from the incinerator was subsequently buried at "Camp 19" or "Woodard" which were County authorized landfills outside SEKI (these landfills are closed). It has been reported that the dump material encompasses an area of approximately 100 feet by 95 feet, and is estimated at about 5 feet deep. The estimated volume of material is 1,760 cubic yards.

In 2005, USACE prepared a Human Health and Ecological Risk Evaluation Report for this area. The USACE investigation found elevated levels of select metals, dioxins, and organopesticides in the burn soil samples. The USACE report concludes that further investigation would not be required provided "that the site be maintained as is".

October 17, 2012 – Site Visit

This area is the former burn dump area that was assessed and sampled by USACE circa 2005. The area was described as covered by a "thick" layer of native materials. Our visual observations of the area noted exposed burn materials/debris throughout the area. Evidence of past and recent erosional processes have occurred throughout surfaces within the area. This erosion may be considered a continuing source of movement of contaminants to other areas of the park by surface water run-off. The extent of contaminant migration downgradient of the area is not readily visible, evidence proves the area has not been properly maintained "as is" for the protection of human health and environment and therefore the conclusions reached by USACE in 2005 may not be representative at present.

Potential Complete Pathways

The area reportedly experiences infrequent visits by NPS personnel. The area is not secured from occasional trespassers. The area also can be accessed by park wildlife. Drainage swales exist from the area and extend downgradient. Pollutant migration pathways associated with the area include migration of leachate and runoff to surrounding soils.

Conclusions

Considering observed evidence of natural erosional processes and an inferred continuing of off-area migration of contaminants, DTSC recommends NPS take immediate steps to stabilize the area to prevent further erosion. In addition, the area should be secured to prevent human contact with burn debris and soils in this area. This area also requires a DTSC toxicologist to evaluate the data prepared by USACE to concur with recommendations that the contaminated material/soil can be left in place with a proper cover along with assurance for long term control and maintenance. Because of the potential for off-area migration of contaminants, downgradient soil sampling is warranted to determine the limits of the area where engineering and institutional controls become necessary.

SWMU 38 – Former Grant Grove Incinerator

General

The Grant Grove Incinerator was built in the 1960's, but was never used as an incinerator. DTSC understands that this area also was used as a domestic waste burn pit from 1929 until 1965. In the past NPS has stated that the area was excavated during the dismantling process and taken to a disposal facility located outside of the Park boundaries, and that clean fill material was used to fill excavated area.

October 18, 2012 – Site Visit

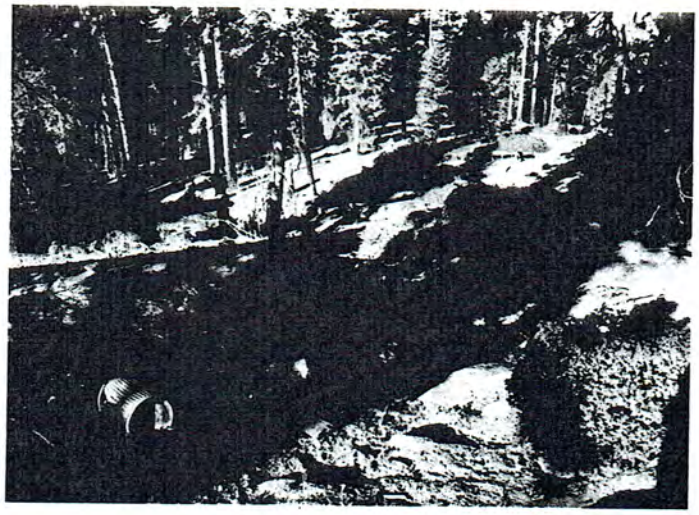
This area is currently used by the NPS as a staging ground for park construction materials (above right photo). DTSC understands that wood debris also is burned at this location; evidence of this activity recently occurring was observed in this area. The incinerator reportedly was once located somewhere within this area that now has an unknown thickness of base material used to accommodates heavy truck traffic that transport construction materials to and from this area.

DTSC staff performed a reconnaissance of the area's perimeter. Significant amounts of ashen debris, old bottles, ceramic plates, broken glass, metal debris, etc. was noted along downslope sides of the recently placed fill materials (left photo).

Potential Complete Pathways

This area experiences frequent visits by NPS personnel and is not secured from occasional trespassers. The area also can be accessed by park wildlife. Drainage swales extend from the area (see photo below). Pollutant migration pathways associated with the area include migration of leachate and runoff to surrounding soils.

Conclusions

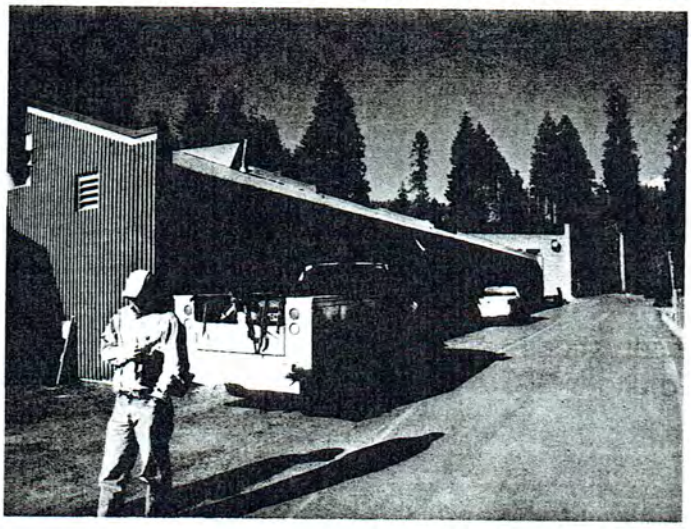


Observations of this area and information provided by NPS to date has not changed DTSC's opinions regarding the environmental integrity of this area. As stated earlier, elevated concentrations of hazardous chemicals, including metals and dioxins, can be associated with the burning of waste. This area is considered a potential environmental concern warranting further investigation under RCRA by this Department. The investigation should include characterizing contaminant concentrations within soils and burned debris beneath the fill and within the drainage swales that extend from area.

SWMU 20 – Former Clover Creek Incinerator

General

The former Clover Creek Incinerator was located between Lodgepole and Red Fir. The incinerator was used to burn domestic waste for a short period of time in the 1960s. The incinerator was dismantled around 1976, and the Clover Creek Waste Water Treatment Plant was constructed over the incinerator footprint. Historical aerial photography supplied by the NPS confirms the former incinerator was located within the current location of the treatment plant. When dismantled, the incinerator and its ash were reportedly taken off-site to a county-authorized landfill. NPS has stated that during construction of the wastewater treatment plant, the area was "excavated down to bedrock and replaced with clean compactable base".



October 18, 2012 – Site Visit

This area is currently occupied by the Clover Creek Waste Water Treatment Plant (see photo left). A reconnaissance

of the waste water treatment plant was performed to observe for evidence that the incinerator was once there; none was found indicating that the incinerator was likely removed in its entirety at the time of the waste water treatment plant construction.

Potential Complete Pathways

Based on the above, potential complete pathways are not expected.

Conclusions

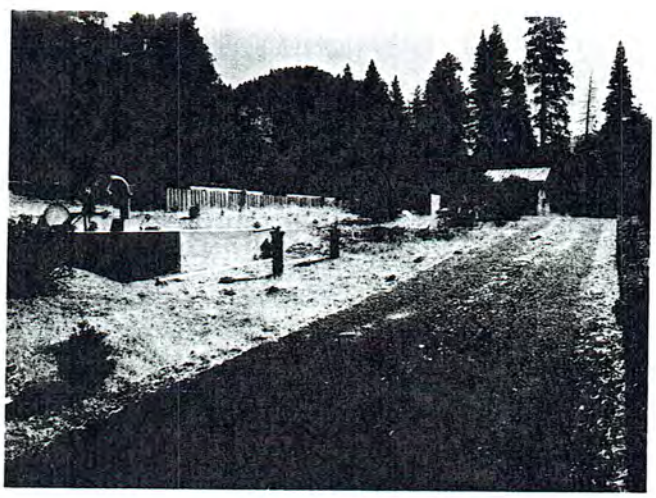
Based on DTSC's October 2012 visual observations and information obtained to date, further investigation is not required under RCRA by this Department for SWMU 20.

SWMU 45 - Former Cedar Grove Incinerator, and
SWMU 46 - Former Cedar Grove Burn Pit

General

The Cedar Grove Burn Pit operated at mile 145 north of Highway 180, west of the Sheep Creek Campground at Cedar Grove from the 1930s until the Cedar Grove Incinerator was built. The Cedar Grove Incinerator was used to burn domestic waste in the 1960s and was dismantled in 1976. Reportedly, all ash from the burn pit and incinerator were taken off-site to an authorized county landfill. According to NPS personnel, the area was redeveloped to support the Cedar Grove Waste Water Treatment Plant. Aerial photography supplied by the NPS shows the former incinerator within the location of the current treatment plant.

October 18, 2012 – Site Visit



This area is currently occupied by the Cedar Grove Waste Water Treatment Plant (see photo right). A reconnaissance of the area was performed to observe for evidence of recognized environmental conditions associated with past incinerator or burn pit activities; none were identified.

Potential Complete Pathways

Based on the above, no potential complete pathways are expected.

Conclusions

Based on DTSC's October 2012 visual observations and records information, further environmental investigation is not required under RCRA by this Department for SWMUs 45 and 46.

4. SUMMARY

DTSC and representatives of the NPS met on October 17 and 18, 2012, to assess the environmental integrity of five area areas associated with the six SWMUs described in this report. Based on DTSC's visual observations and receipt of additional information submitted by the NPS, no further investigation under RCRA by this Department appears warranted for SWMUs 20, 45 and 46. Based on observations by DTSC staff, and additional information provided by NPS, DTSC's initial assessment that a RCRA investigation is necessary for SWMUs 2, 11, and 38 has not changed.

Appendix G
Aerial Photographs

Ash Mountain SWMU #2
Aerial Photographs

Ash Mountain Solid Waste Management Unit # 2

Sycamore Drive

Three Rivers, CA 93271

Inquiry Number: 3739597.4

September 30, 2013

The EDR Aerial Photo Decade Package

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Date EDR Searched Historical Sources:

Aerial Photography September 30, 2013

Target Property:

Sycamore Drive

Three Rivers, CA 93271

Year	***Scale***	***Details***	***Source***
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1974	Aerial Photograph. Scale: 1"=500'	Flight Year: 1974 Best Copy Available from original source	USGS
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1987	Aerial Photograph. Scale: 1"=500'	Flight Year: 1987	USGS
1995	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1995	EDR
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	EDR
2009	Aerial Photograph. Scale: 1"=500'	Flight Year: 2009	EDR
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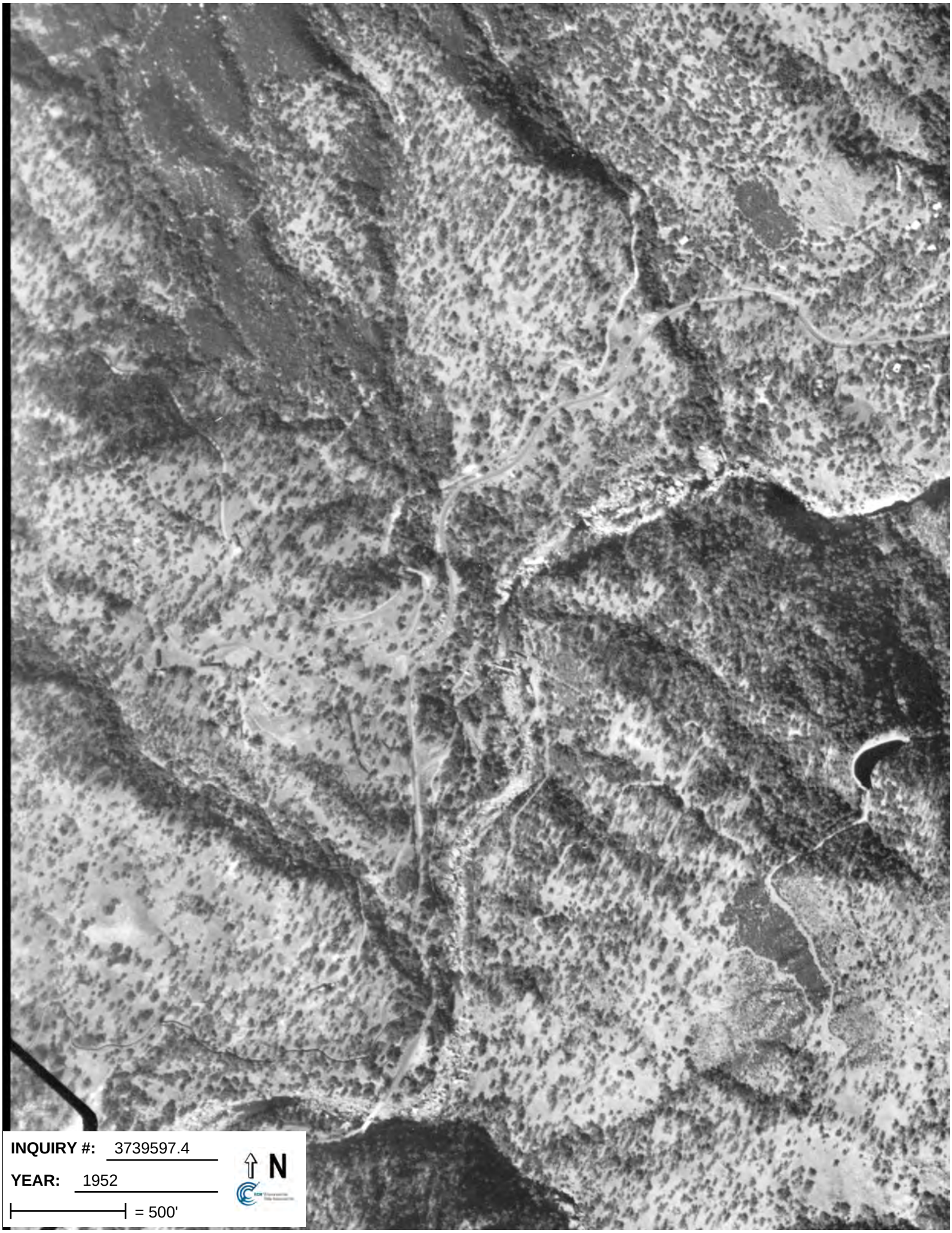
2012	Aerial Photograph. Scale: 1"=500'	Flight Year: 2012	EDR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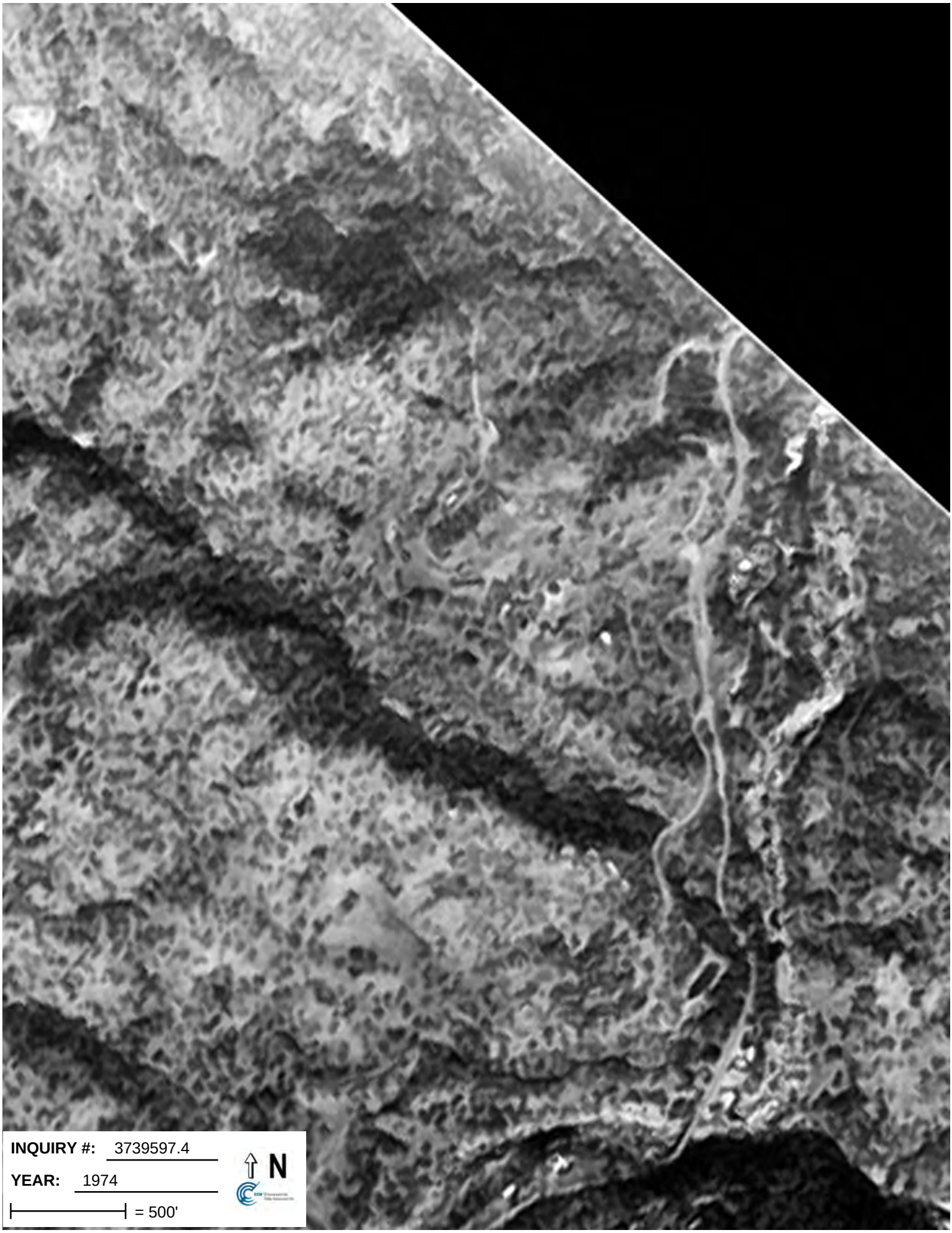
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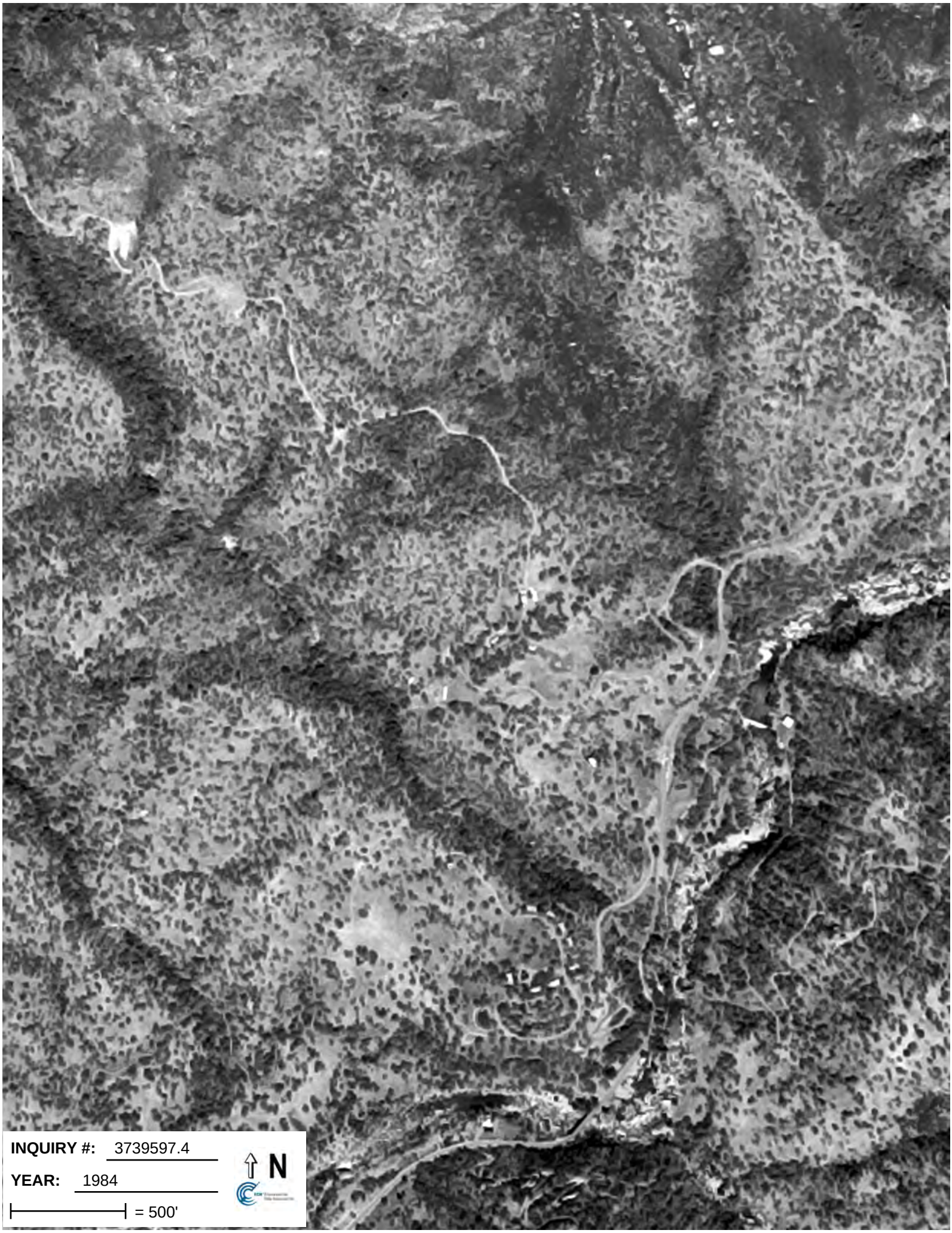
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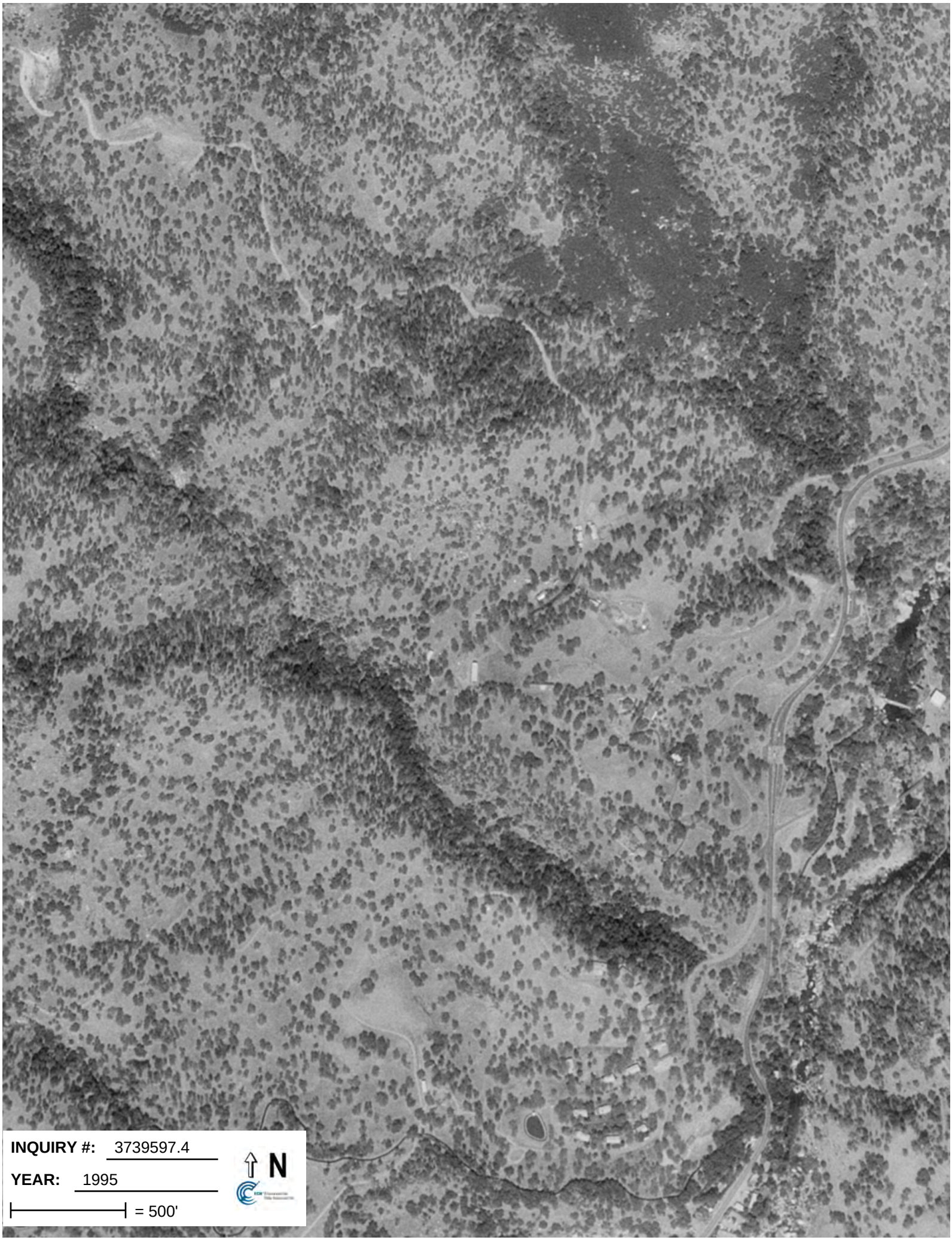
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YEAR: 2005
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INQUIRY #: 3739597.4
YEAR: 2009
= 500'
N

Grant Grove SWMU #38
Aerial Photographs

Grant Grove Solid Waste Management Unit # 38

CA Hwy 180

Kings Canyon Nationa, CA 93633

Inquiry Number: 3739597.8

September 29, 2013

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Date EDR Searched Historical Sources:

Aerial Photography September 29, 2013

Target Property:

CA Hwy 180

Kings Canyon Nationa, CA 93633

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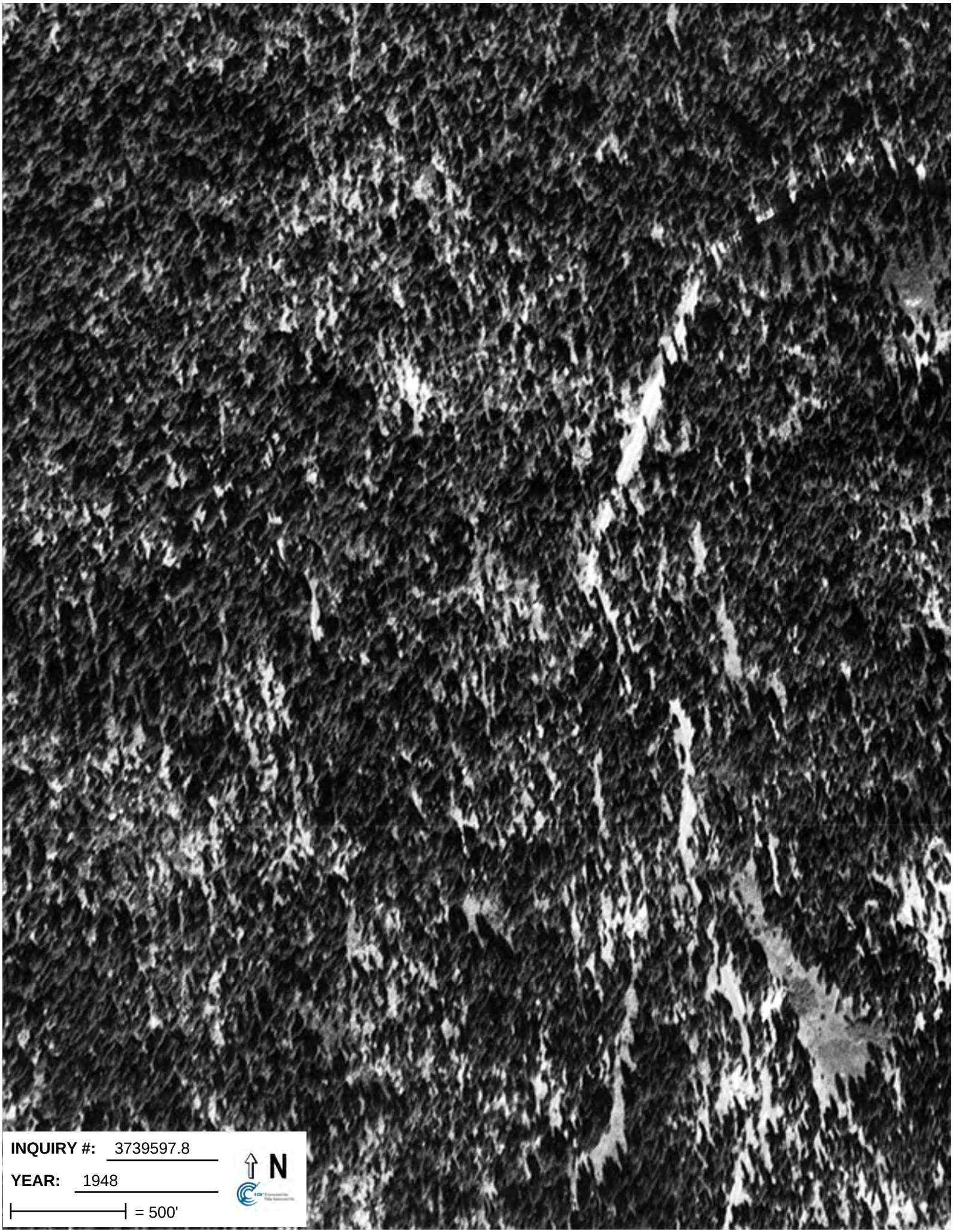
1983	Aerial Photograph. Scale: 1"=500'	Flight Year: 1983 Best Copy Available from original source	WSA
1987	Aerial Photograph. Scale: 1"=500'	Flight Year: 1987	USGS
1999	Aerial Photograph. Scale: 1"=500'	/DOQQ - acquisition dates: 1999	EDR
2005	Aerial Photograph. Scale: 1"=500'	Flight Year: 2005	EDR
2009	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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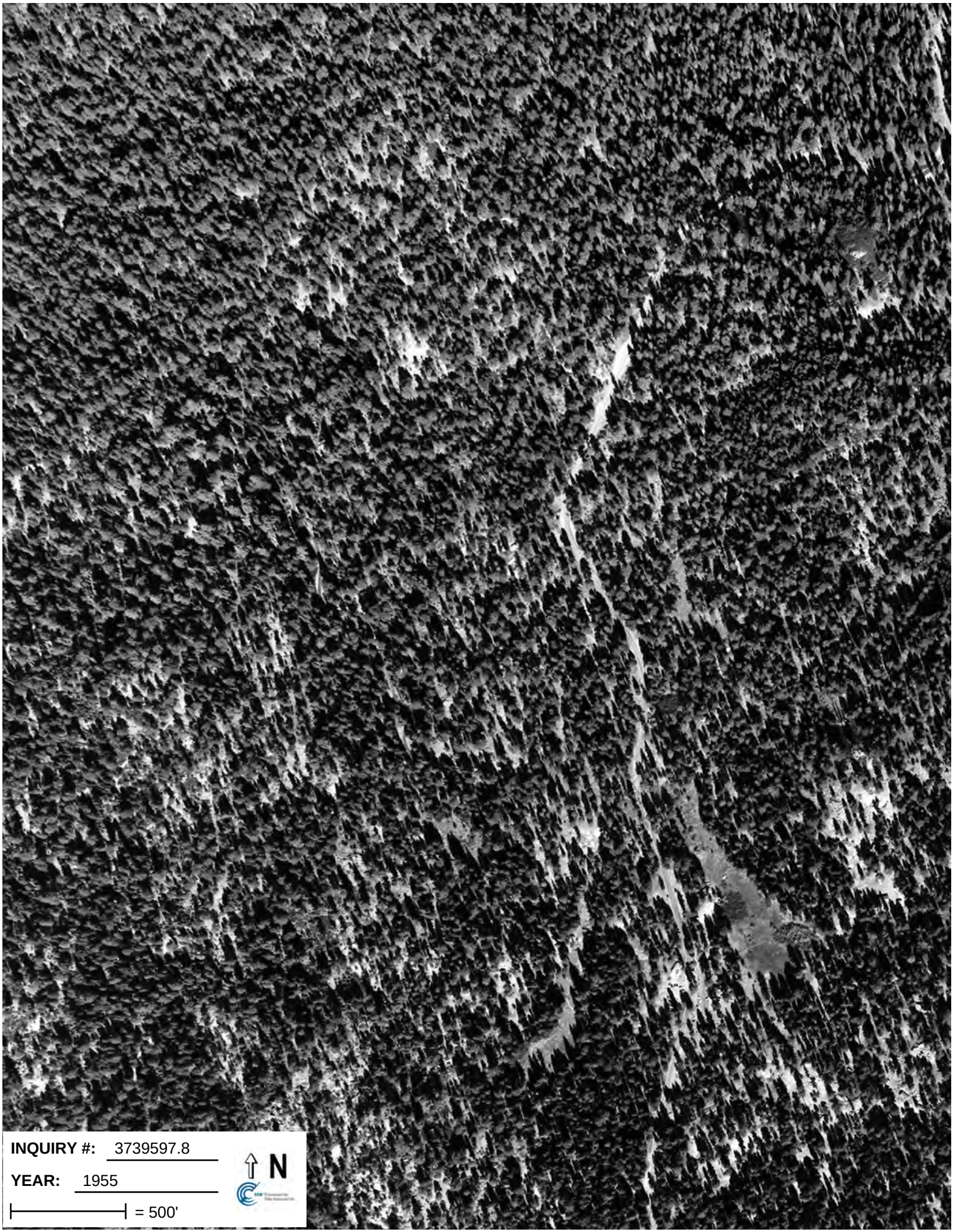
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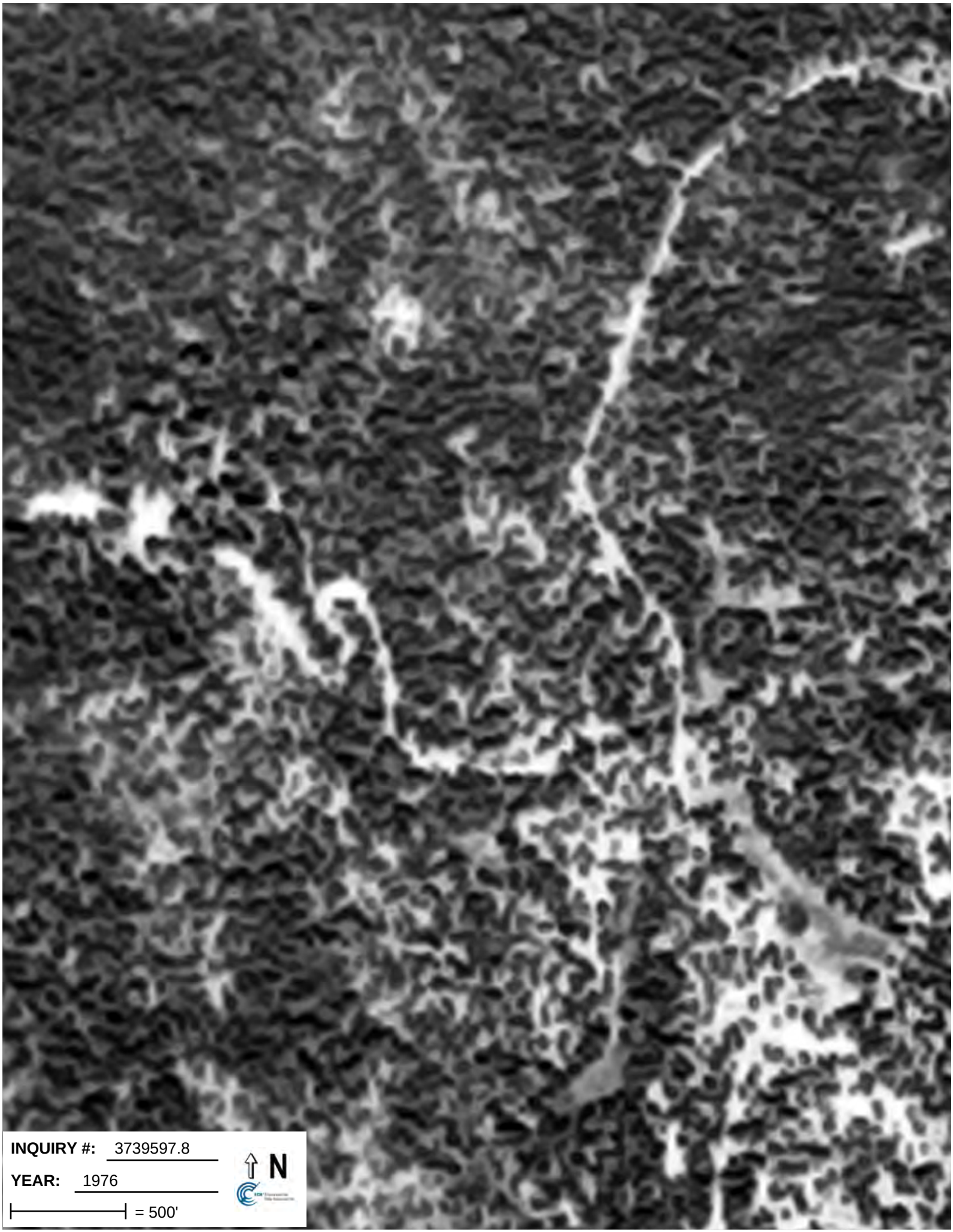
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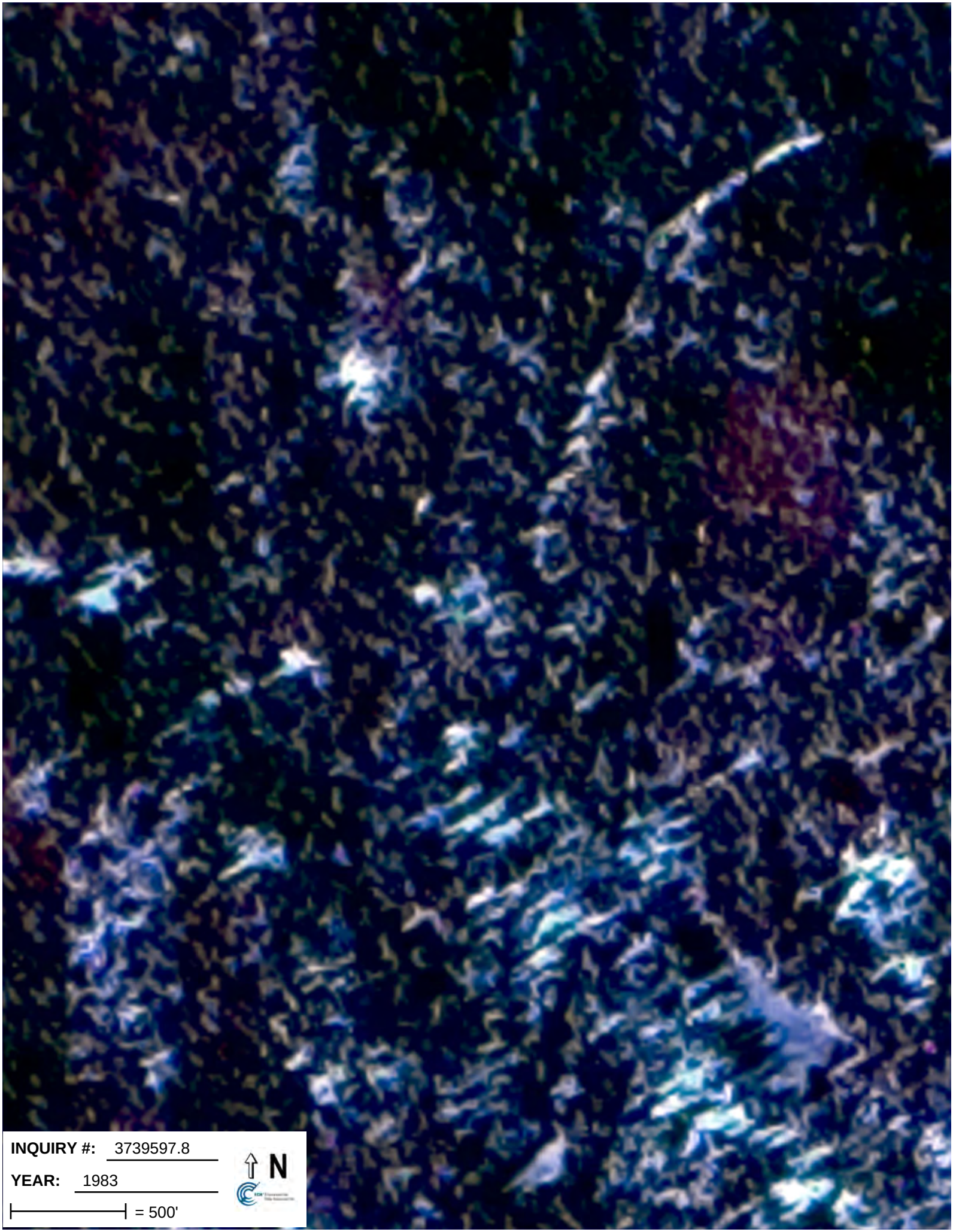
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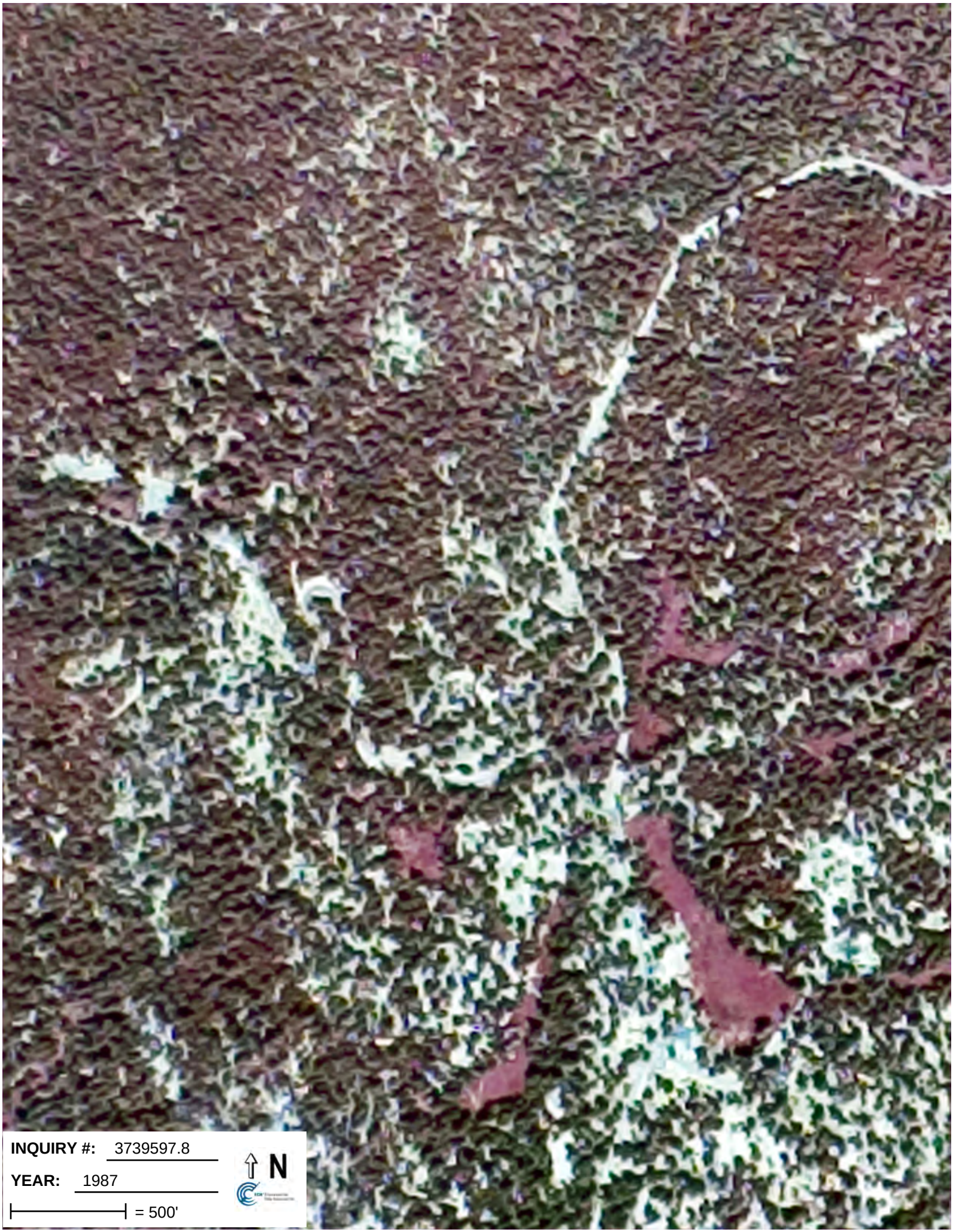
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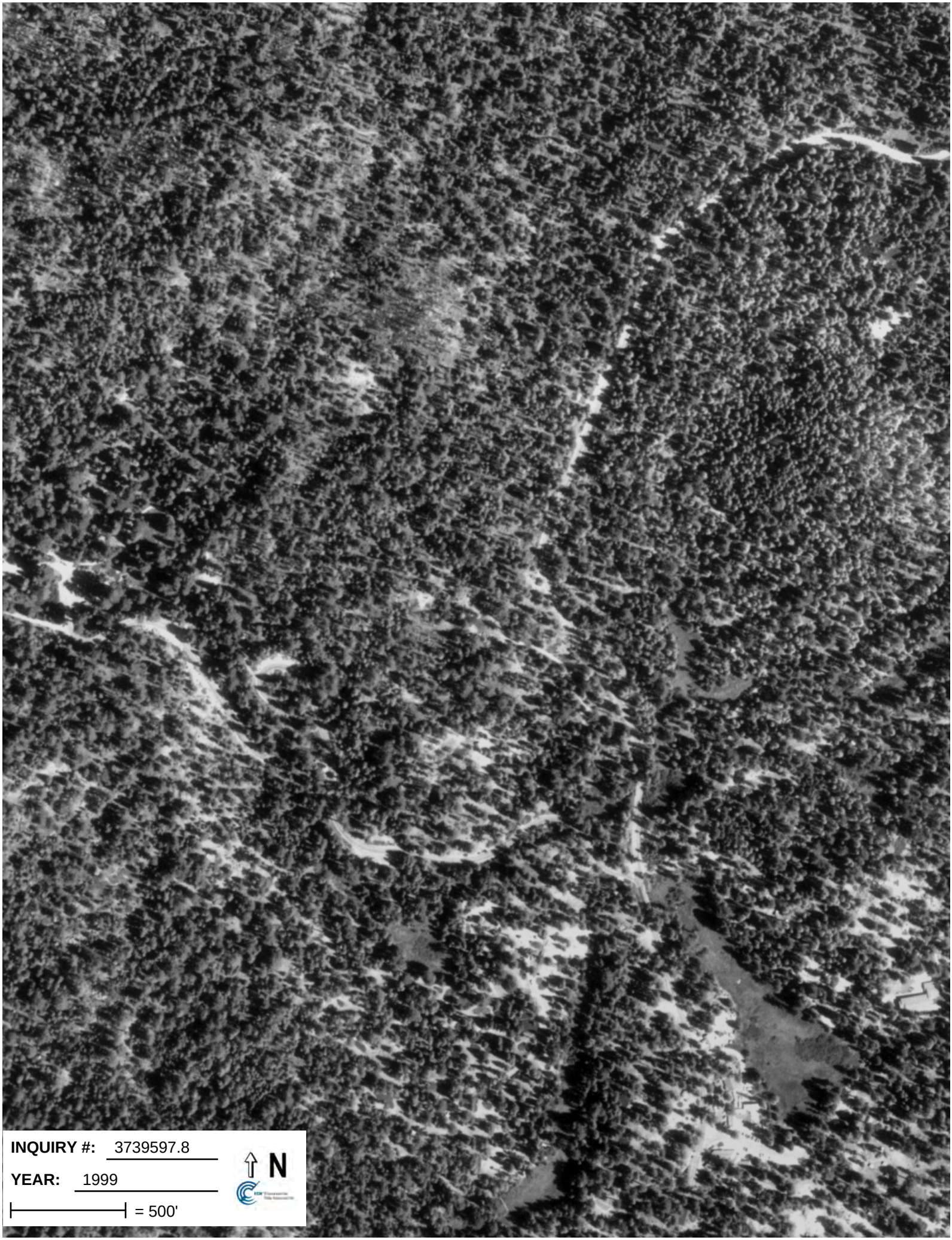
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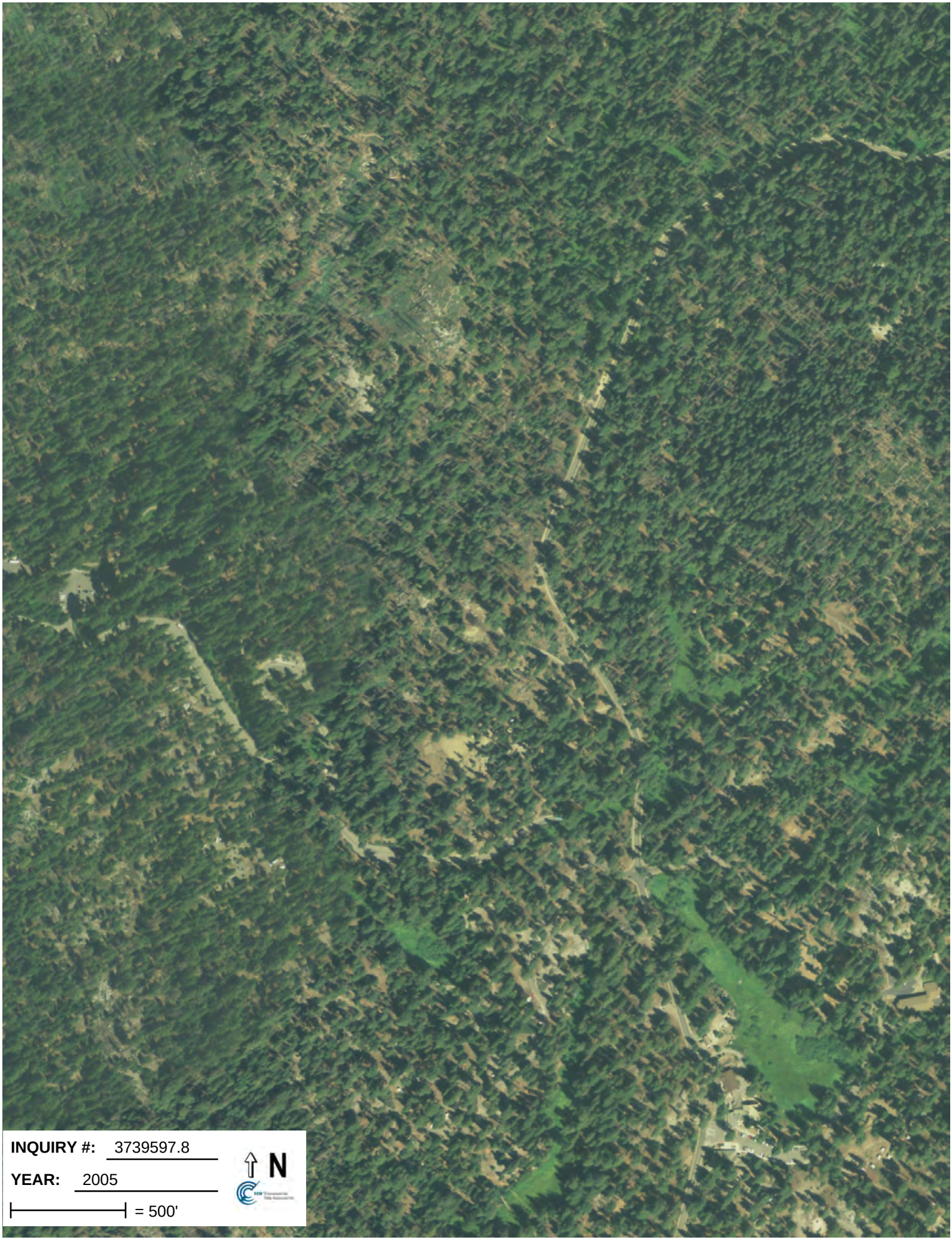
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YEAR: 2009
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N

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YEAR: 2010
= 500'
N

INQUIRY #: 3739597.8
YEAR: 2012
= 500'
N