APPENDIX 6.0

Geotechnical and Infiltration Evaluation

Geotechnical Report

Proposed Warehouse
SWC Central Road and Cordova Road
Apple Valley, California

Prepared for:

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April 28, 2023

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Geotechnical Report
Proposed Warehouse
SWC Central Road and Cordova Road
Apple Valley, California
LCI Report No. LP23076

Dear Mr. Cohen:

This geotechnical report is provided for design and construction of the proposed development of a warehouse located at the southwest corner of Central Road and Cordova Road northeast of Apple Valley, California. Our geotechnical exploration was conducted in response to your request for our services. The enclosed report describes our soil engineering site evaluation and presents our professional opinions regarding geotechnical conditions at the site to be considered in the design and construction of the project.

Based on the geotechnical conditions encountered at the points of exploration, the project site appears suitable for the proposed construction provided the professional opinions contained in this report are considered in the design and construction of this project.

We appreciate the opportunity to provide our findings and professional opinions regarding geotechnical conditions at the site. Please provide our office with a set of the foundation plans and civil plans for review to ensure that the geotechnical site constraints have been included in the design documents. If you have any questions or comments regarding our findings, please call our office at (760) 370-3000.

Respectfully Submitted,
LandMark Consultants, Inc.

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EXECUTIVE SUMMARY

This executive summary presents ***selected*** elements of our findings and professional opinions. This summary ***may not*** present all details needed for the proper application of our findings and professional opinions. Our findings, professional opinions, and application options are ***best related through reading the full report***, and are best evaluated with the active participation of the engineer of record who developed them. The findings of this study are summarized below:

- The findings of this study indicate the site is underlain by interbedded sands and silty sand with near surface silty sand. The near surface silty sands and sands are expected to be low to non-expansive. The subsurface soils are dense to very dense in nature. Groundwater was not encountered in the borings during the time of exploration.

- Elevated sulfate and chloride levels were not encountered in the soil samples tested for this study. However, the soil is moderately corrosive to metal. We recommend a minimum of 2,500 psi concrete of Type II Portland Cement with a maximum water/cement ratio of 0.60 (by weight) should be used for concrete placed in contact with native soils of this project.

- Design soil bearing pressure of 2,000 psf. Differential movement of ½ to ¾ inch can be expected for slab on grade foundations placed on native soils.

- Evaluation of liquefaction potential at the site indicates that it is unlikely that the subsurface soil will liquefy under seismically induced ground-shaking due to the since groundwater is believed to be deeper than 50 feet. No mitigation is required for liquefaction effects at this site.

- All reinforcing bars, anchor bolts and hold down bolts shall have a minimum concrete cover of 3.0 inches unless epoxy coated (ASTM D3963/A934). Hold-down straps are not allowed at the foundation perimeter. No pressurized water lines are allowed below or within the foundations.

- Pavement structural sections should be designed for subgrade soils (estimated R-Value = 60) and an appropriate Traffic Index (TI) selected by the civil designer.

Section 1
INTRODUCTION

1.1 Project Description

This report presents the findings of our geotechnical exploration and soil testing for the proposed warehouse located at the southwest corner of Central Road and Cordova Road northeast of Apple Valley, California (See Vicinity Map, Plate A-1). The proposed development will consist of an approximately 494,000 square foot warehouse with associated parking areas. A site plan for the proposed development was provided by the client.

The structures are planned to consist of slabs-on-grade foundations and metal-frame construction. Footing loads at exterior bearing walls are estimated at 2 to 5 kips per lineal foot. Column loads are estimated to range from 10 to 50 kips. If structural loads exceed those stated above, we should be notified so we may evaluate their impact on foundation settlement and bearing capacity. Site development will include building pad preparation, underground utility installation including trench backfill, concrete foundation construction, parking lot construction, and concrete hardscape placement.

1.2 Purpose and Scope of Work

The purpose of this geotechnical study was to investigate the subsurface soil at selected locations within the site for evaluation of physical/engineering properties and liquefaction potential during seismic events. Professional opinions were developed from field and laboratory test data and are provided in this report regarding geotechnical conditions at this site and the effect on design and construction. The scope of our services consisted of the following:

- Field exploration and in-situ testing of the site soils at selected locations and depths.
- Laboratory testing for physical and/or chemical properties of selected samples.
- Review of the available literature and publications pertaining to local geology, faulting, and seismicity.
- Engineering analysis and evaluation of the data collected.
- Preparation of this report presenting our findings and professional opinions regarding the geotechnical aspects of project design and construction.
- In-situ testing of soil infiltration testing for stormwater basins.

This report addresses the following geotechnical parameters:

- Subsurface soil and groundwater conditions
- Site geology, regional faulting and seismicity, near source factors, and site seismic accelerations
- Aggressive soil conditions to metals and concrete
- Soil infiltration rates of the native soil for stormwater basins

Professional opinions with regard to the above parameters are provided for the following:

- Site grading and earthwork
- Building pad and foundation subgrade preparation
- Allowable soil bearing pressures and expected settlements
- Concrete slabs-on-grade
- Lateral earth pressures
- Excavation conditions and buried utility installations
- Mitigation of the potential effects of salt concentrations in native soil to concrete mixes and steel reinforcement
- Seismic design parameters
- Preliminary pavement structural sections

Our scope of work for this report did not include an evaluation of the site for the presence of environmentally hazardous materials or conditions.

1.3 Authorization

Mr. Toby Waxman of Entitlement Strategies Group provided authorization by verbal agreement to proceed with our work on April 5, 2023. We conducted our work according to our written proposal dated March 24, 2023.

Section 2
METHODS OF INVESTIGATION

2.1 Field Exploration

Subsurface exploration was performed on April 13 through 19, 2023 using 2R Drilling of Ontario, California to advance seven (7) borings to depths of 21.5 to 51.5 feet below existing ground surface. The borings were advanced with a truck-mounted, CME 75 drill rig using 8-inch diameter, hollow-stem, continuous-flight augers. The approximate boring locations were established in the field and plotted on the site map by sighting to discernible site features. The boring locations are shown on the Site and Exploration Plan (Plate A-2).

A geo-technician observed the drilling operations and maintained logs of the soil encountered with sampling depths. Soils were classified during drilling according to the Unified Soil Classification System using the visual-manual procedure in accordance with ASTM D2488. Relatively undisturbed and bulk samples of the subsurface materials were obtained at selected intervals. The relatively undisturbed soil samples were retrieved using a 2-inch outside diameter (OD) split-spoon sampler or a 3-inch OD Modified California Split-Barrel (ring) sampler lined with 6-inch stainless-steel sleeves. In addition, Standard Penetration Tests (SPT) were performed in accordance with ASTM D1586 and ASTM D6066. The samples were obtained by driving the samplers ahead of the auger tip at selected depths using a 140-pound CME automatic hammer with a 30-inch drop. The number of blows required to drive the samplers the last 12 inches of an 18-inch drive depth into the soil is recorded on the boring logs as “blows per foot”. Blow counts (N values) reported on the boring logs represent the field blow counts. No corrections have been applied to the blow counts shown on the boring logs for effects of overburden pressure, automatic hammer drive energy, drill rod lengths, liners, and sampler diameter.

After logging and sampling the soil, the exploratory borings were backfilled with the excavated material. The backfill was loosely placed and was not compacted to the requirements specified for engineered fill.

The subsurface logs are presented on Plates B-1 through B-7 in Appendix B. A key to the log symbols is presented on Plate B-8. The stratification lines shown on the subsurface logs represent the approximate boundaries between the various strata. However, the transition from one stratum to another may be gradual over some range of depth.

2.2 Laboratory Testing

Laboratory tests were conducted on selected bulk (auger cuttings) and relatively undisturbed soil samples obtained from the soil borings to aid in classification and evaluation of selected engineering properties of the site soils. The tests were conducted in general conformance to the procedures of the American Society for Testing and Materials (ASTM) or other standardized methods as referenced below. The laboratory testing program consisted of the following tests:

- Particle Size Analyses (ASTM D6913/D7928)
- Unit Dry Densities (ASTM D2937)
- Moisture Contents (ASTM D2216)
- Moisture-Density Relationship (ASTM D1557)
- Chemical Analyses (soluble sulfates & chlorides, pH, and resistivity) (Caltrans Methods)

The laboratory test results are presented on the subsurface logs (Appendix B) and in Appendix C.

Engineering parameters of soil strength, compressibility and relative density utilized for developing design criteria provided within this report were obtained from the field and laboratory testing program.

2.3 Soil Infiltration Rates

A total of two (2) infiltration tests were conducted on April 19, 2023 at the proposed location for the on-site storm-water retention basin as shown on the Site and Exploration Plan (Plate A-2). The infiltration tests were performed to the guideline from Design Handbook for Low Impact Development Best Management Practices, prepared by State Water Conservation District, Appendix A, Section 2.3, dated September 2011.

The tests were performed using 6-inch perforated pipe inside an 8-inch diameter flight auger borehole made to depths of approximately 5.0 feet below the existing ground surface, corresponding to the anticipated bottom depth of the stormwater retention basin. The pipes were filled with water and successive readings of drops in water levels were made every 10 minutes for a total elapsed time of 60 minutes, until a stabilization drop was recorded.

The test results indicate that the stabilized soil infiltration rate for the soil ranges from 2.11 to 2.48 inches per hour. An oil/water separator should be installed at inlets to the stormwater retention basin to prevent sealing of the basin bottom with silt and oil residues. The field and conversion calculation worksheets are included in Appendix E.

We recommend additional testing should be performed after the completion of rough grading operations, to verify the soil infiltration rate.

Section 3
DISCUSSION

3.1 Site Conditions

The project site is irregularly shaped in plan view and is relatively flat-lying sloping gently to the southwest. The project site consists of approximately 30 acres covered with scattered desert vegetation. A dry wash is located north of the project site. The site is bounded by Central Road, a paved two-lane road, to the east and Cordova Road, an unpaved road, to the north.

The project site lies at an elevation of approximately 3150 to 3175 feet above mean sea level in the Apple Valley region of the California high desert. Annual rainfall in this arid region is less than 4 inches per year with four months of average summertime temperatures above 100 ºF. Winter temperatures are mild, seldom reaching freezing.

3.2 Geologic Setting

The site is located in the Mojave Desert region of the California high desert. The Mojave Desert occupies about 25,000 miles² (65,000 km²) of southeastern California. It is landlocked, enclosed on the southwest by the San Andreas Fault and the Transverse Ranges, on the north and northwest by the Garlock Fault, the Tehachapi Mountains and the Basin Ranges. The Nevada state line and the Colorado River form the arbitrary eastern boundary, although the province actually extends into southern Nevada. The San Bernardino-Riverside county line is designated as the southern boundary (Norris & Webb, 1990).

The desert itself is a Cenozoic feature, formed as early as the Oligocene presumably from movements related to the San Andreas and Garlock Faults. Prior to the development of the Garlock Fault, the Mojave was part of the Basin Ranges and shares Basin Range geologic history possibly through the Miocene. Today the region is dominated by broad alleviated basins that are mostly aggrading surfaces receiving nonmarine continental deposits from adjacent uplands. The alluvial deposits buried the older topography which was more mountainous.

The highest general elevation of the Mojave Desert approaches 4,000 feet (1,200 m) along a northeastern axis from Cajon Pass to Barstow.

Alluvial cover thins to the east, and pediment - often with thick regolith - occupies much of the surface. The Mojave area contains Paleozoic and lower Mesozoic rocks, although Triassic and Jurassic marine sediments are scarce (Norris & Webb, 1990). The Mojave block is approximately bounded by the San Andreas and Garlock Faults. The western Mojave Desert is broken by major faults that primarily parallel the San Andreas and seems to be truncated by the Garlock. Many faults occur in the eastern Mojave, but since most of this area is underlain by rather uniform granitic rocks, the faults are difficult to map. Some faults are known positively, but many can only be inferred (Norris & Webb, 1990).

3.3 Subsurface Soil

Subsurface soils encountered during the field exploration conducted on April 13 through 19, 2023 consist of dominantly dense to very dense interbedded silty sands (SM) and sands (SP-SM/SP) to the maximum depth of exploration of 51.5 feet. Caliche horizons were encountered in the subsurface soils during the field exploration. The near surface soils are non-expansive in nature. The subsurface logs (Plates B-1 thru B-7) depict the stratigraphic relationships of the various soil types. Near surface soils consist of the Helendale-Bryman loamy sands and Cajon-Arizo complex (Plate A-3).

3.4 Groundwater

Groundwater was not encountered in the borings during the time of exploration. Based on available information from the State Water Resources Control Board (SWRCB) Geotracker website for a Leaking Underground Storage Tank sites, groundwater is anticipated to be first encountered deeper than 100 feet bgs.

3.5 Faulting

The project site is located in the seismically active Apple Valley of southern California with numerous mapped faults traversing the region. We have performed a computer-aided search of known faults or seismic zones that lie within a 51-mile radius of the project site (Table 1).

A fault map illustrating known active faults relative to the site is presented on Figure 1, *Regional Fault Map*. Figure 2 shows the project site in relation to local faults. The criterion for fault classification adopted by the California Geological Survey defines Earthquake Fault Zones along Holocene-active or pre-Holocene faults (CGS, 2023b). Earthquake Fault Zones are regulatory zones that address the hazard of surface fault rupture. A Holocene-active fault is one that has ruptured during Holocene time (within the last 11,700 years). A pre-Holocene fault is a fault that has not ruptured in the last 11,700 years. Pre-Holocene faults may still be capable of surface rupture in the future, but are not regulated by the Alquist-Priolo Act (AP).

Review of the current Alquist-Priolo Earthquake Fault Zone maps (CGS, 2000a) indicates that the nearest mapped Earthquake Fault Zone is the Helendale fault located approximately 1.8 miles northeast of the project site.

3.6 General Ground Motion Analysis

The project site is considered likely to be subjected to moderate to strong ground motion from earthquakes in the region. Ground motions are dependent primarily on the earthquake magnitude and distance to the seismogenic (rupture) zone. Acceleration magnitudes also are dependent upon attenuation by rock and soil deposits, direction of rupture and type of fault; therefore, ground motions may vary considerably in the same general area.

2022 CBC General Ground Motion Parameters: The California Building Code (CBC) requires that a site-specific ground motion hazard analysis be performed in accordance with ASCE 7-16 Section 11.4.8 (ASCE, 2016) for structures on Site Class D with S_1 greater than or equal to 0.2 and Site Class E sites with S_s greater than or equal to 1.0 (CBC, 2023). **This project site has been classified as Site Class C; therefore a site specific ground motion hazard analysis is not required.**

The 2022 CBC general ground motion parameters are based on the Risk-Targeted Maximum Considered Earthquake (MCE_R). The Structural Engineers Association of California (SEAOC) and Office of Statewide Health Planning and Development (OSHPD) Seismic Design Maps Web Application (SEAOC, 2023) was used to obtain the site coefficients and adjusted maximum considered earthquake spectral response acceleration parameters. Design spectral response acceleration parameters are defined as the earthquake ground motions that are two-thirds (2/3) of the corresponding MCE_R ground motions. The Maximum Considered Earthquake Geometric Mean (MCE_G) peak ground acceleration adjusted for soil site class effects (PGA_M) value to be used for liquefaction and seismic settlement analysis in accordance with 2022 CBC Section 1803.5.12.2 is estimated at 0.53g for the project site. **Design earthquake ground motion parameters are provided in Table 2.**

3.7 Seismic and Other Hazards

- **Ground-shaking.** The primary seismic hazard at the project site is the potential for strong ground-shaking during earthquakes along the San Andreas and other nearby fault. A further discussion of ground shaking follows in Section 3.5.
- **Surface Rupture.** The project site does not lie within a State of California, Alquist-Priolo Earthquake Fault Zone. Surface fault rupture is considered to be unlikely at the project site because of the well-delineated fault lines through the High Desert as shown on USGS and CDMG maps. However, because of the high tectonic activity and deep alluvium of the region, we cannot preclude the potential for surface rupture on undiscovered or new faults that may underlie the site.
- **Liquefaction and lateral spreading.** Liquefaction is unlikely to be a potential hazard at the site since the groundwater is believed to be deeper than 50 feet.
- **Landsliding.** The hazard of landsliding is unlikely due to the regional planar topography. No ancient landslides are shown on geologic maps of the region and no indications of landslides were observed during our site investigation.
- **Volcanic hazards.** The site is not located in proximity to any known volcanically active area and the risk of volcanic hazards is considered very low.
- **Tsunamis, sieches, and flooding.** The site does not lie near any large bodies of water, so the threat of tsunami, sieches, or other seismically-induced flooding is unlikely.
- **Expansive soil.** The near surface soils at the project site consist of silty sands and silty sands/sands which are non-expansive.

3.8 Hydro-consolidation

In arid climatic regions, granular soils have a potential to collapse upon wetting. This collapse (hydro-consolidation) phenomena is the result of the lubrication of soluble cements (carbonates) in the soil matrix causing the soil to densify from its loose configuration during deposition.

Based on our experience in the vicinity of the project site, there is a slight risk of collapse upon saturation. Therefore, development of building foundation is not required to include provisions for mitigating the hydro-consolidation caused by soil saturation from landscape irrigation or broken utility lines.

3.9 Seismic Settlement

An evaluation of the non-liquefaction seismic settlement potential was performed using the relationships developed by Tokimatsu and Seed (1984, 1987) for dry sands. This method is an empirical approach to quantify seismic settlement using SPT blow counts and PGA estimates from the probabilistic seismic hazard analysis.

The soils beneath the site consist primarily of dense to very dense silty sands and sands. Based on the empirical relationships, settlements are not expected to occur at the project site.

Section 4
DESIGN CRITERIA

4.1 Site Preparation

Pre-grade Meeting: Prior to site preparation, a meeting should be held at the site with as a minimum, the owner's representative, grading contractor and geotechnical engineer in attendance.

Clearing and Grubbing: All surface improvements, debris and/or vegetation including grass, brush, and weeds on the site at the time of construction should be removed from the construction area. Root balls should be completely excavated. Organic stripping should be hauled from the site and not used as fill. *Any trash, construction debris, concrete slabs, old pavement, landfill, and buried obstructions such as old foundations and utility lines exposed during rough grading should be traced to the limits of the foreign materials and removed.* Any excavations resulting from site clearing and grubbing should be dish-shaped to the lowest depth of disturbance and backfilled with engineered fill.

Mass Grading: Prior to placing any fills, the surface 12 inches of soil should be removed, the exposed surface uniformly moisture conditioned to a depth of 8 inches by discing and wetting to at least 2% over optimum moisture, and re-compacted to at least 90% of ASTM D1557 maximum density. Native soils may be used for mass grading, placed in 6 to 8 inches maximum lifts, uniformly moisture conditioned to a depth of 8 inches by discing and wetting to at least ±2% of optimum moisture, and re-compacted to at least 90% of ASTM D1557 maximum density.

At Grade Building Pad Preparation (with truckwells): The existing soils within the building pad/foundation areas should be overexcavated to a minimum depth of 36 inches below the existing natural surface grade or 24 inches below the deepest footing (whichever is deeper) and should extend at least five (5) feet beyond all exterior wall/column lines (including concreted areas adjacent to the building). Exposed subgrade should be scarified to a depth of 8 inches, uniformly moisture conditioned to 2% below to 4% above optimum and recompacted to a minimum of 90% (sands) of the maximum density determined in accordance with ASTM D1557 methods. **The native soils should be compacted to 1.5 feet below the bottom of building footings along the truck dock.**

The native soil (except any clays that are encountered) is suitable for use as engineered fill provided it is free from concentrations of organic matter or other deleterious material. The fill soil should be uniformly moisture conditioned by discing and watering to the limits specified above, placed in maximum 8-inch lifts (loose), and compacted to the limits specified above. **Clay soil (if encountered) should not be incorporated into the engineered building pad.**

Imported fill soil (if required) should have a Plasticity Index less than 5 and sulfates (SO4) less than 1,000 ppm or should meet the USCS classifications of ML (non-plastic), SM, SP-SM, or SW-SM with a maximum rock size of 3 inches and no less than 5% passing the No. 200 sieve. The geotechnical engineer should approve imported fill soil sources before hauling material to the site. Imported fill should be placed in lifts no greater than 8 inches in loose thickness and compacted to a minimum of 90% of ASTM D1557 maximum dry density at optimum moisture ±2%.

Truck Height Loading Dock Building Pad Preparation: The native soil along the masonry or concrete stem-wall lines of the dock height building should be removed to 36 inches below the finished grade elevation adjacent to the warehouse or existing natural surface grade (whichever is lower) extending five feet beyond all exterior wall/column lines. Areas within the interior of the dock height building shall have 12 inches of surface soil removed and replaced as engineered fill prior to placing imported granular fill to the tops of the walls. Exposed subgrade should be scarified to a depth of 8 inches, uniformly moisture conditioned 0 to 4% above optimum and recompacted to a minimum of 90% of the maximum density determined in accordance with ASTM D1557 methods.

The native soil (except any clays that are encountered) is suitable for use as engineered fill provided it is free from concentrations of organic matter or other deleterious material. The fill soil should be uniformly moisture conditioned by discing and watering to the limits specified above, placed in maximum 8-inch lifts (loose), and compacted to the limits specified above. **Clay soil (if encountered) should not be incorporated into the engineered building pad.**

Imported fill soil (if required) should have a Plasticity Index less than 5 and sulfates (SO4) less than 1,000 ppm or should meet the USCS classifications of ML (non-plastic), SM, SP-SM, or SW-SM with a maximum rock size of 3 inches and no less than 5% passing the No. 200 sieve. The geotechnical engineer should approve imported fill soil sources before hauling material to the site.

Imported fill should be placed in lifts no greater than 8 inches in loose thickness and compacted to a minimum of 90% of ASTM D1557 maximum dry density at optimum moisture ±2%.

Street Subgrade Preparation: The native soils in street areas should be removed and recompacted to 12 inches below the design subgrade elevation. Engineered fill in street areas should be uniformly moisture conditioned to at least 2% over optimum moisture, placed in layers not more than 6 to 8 inches in thickness and mechanically compacted to a minimum of 90% of the ASTM D1557 maximum dry density.

Sidewalk and Concrete Hardscape Areas: In areas other than the building pad which are to receive concrete slabs, the ground surface should be over-excavated to a depth of 12 inches, uniformly moisture conditioned to at least 2% over optimum moisture, and re-compacted to at least 90% of ASTM D1557 maximum density.

The on-site soils are suitable for use as compacted fill and utility trench backfill. Imported fill soil (if required) should be similar to onsite soil or non-expansive, granular soil meeting the USCS classifications of SM, SP-SM, or SW-SM with a maximum rock size of 6 inches and no less than 5% passing the No. 200 sieve. ***The geotechnical engineer should approve imported fill soil sources before hauling material to the site***. Native and imported materials should be placed in lifts no greater than 8 inches in loose thickness, uniformly moisture conditioned to at least 2% over optimum moisture, and re-compacted to at least 90% of ASTM D1557 maximum density.

Auxiliary Structures Foundation Preparation: Auxiliary structures such as free standing or retaining walls should have footings extended to a minimum of 30 inches below grade. The existing soil beneath the structure foundation prepared in the manner described for the building pad except the preparation needed only to extend 18 inches below and beyond the footing.

Moisture Control and Drainage: The moisture condition of the building pad should be maintained during trenching and utility installation until concrete is placed or should be rewetted before initiating delayed construction.

Adequate site drainage is essential to future performance of the project. Infiltration of excess irrigation water and stormwaters can adversely affect the performance of the subsurface soil at the site.

Positive drainage should be maintained away from all structures (5% for 10 feet minimum across unpaved areas) to prevent ponding and subsequent saturation of the native soil. Swales or stormwater catch basins and drainage piping may be used to divert water away from the foundation when obstructions or property lines prohibit 10 feet of horizontal distance. Drainage swales within 10 feet of the foundation should have a minimum slope of 2% (California Building Code Section 1804.4).

Gutters and downspouts should be used as a means to convey water away from foundations. If landscape irrigation is allowed next to the building, drip irrigation systems or lined planter boxes should be used. Drainage should be maintained without ponding. Trees should be set back from foundations a minimum of 20 feet from the foundation.

Observation and Density Testing: All site preparation and fill placement should be continuously observed and tested by a representative of a qualified geotechnical engineering firm. Full-time observation services during the excavation and scarification process is necessary to detect undesirable materials or conditions and soft areas that may be encountered in the construction area. The geotechnical firm that provides observation and testing during construction shall assume the responsibility of "*geotechnical engineer of record*" and, as such, shall perform additional tests and investigation as necessary to satisfy themselves as to the site conditions and the geotechnical parameters for site development.

4.2 Utility Trench Backfill

On-site soil free of debris, vegetation, and other deleterious matter may be suitable for use as utility trench backfill. Backfill within roadways should be placed in layers not more than 6 to 8 inches in thickness, uniformly moisture conditioned to at least 2% over optimum moisture and mechanically compacted to a minimum of 90% of the ASTM D1557 maximum dry density except for the top 12 inches of the trench which shall be compacted to at least 95%. Native backfill should only be placed and compacted after encapsulating buried pipes with suitable bedding and pipe envelope material. Pipe envelope/bedding should be clean sand (Sand Equivalent SE>30). Precautions should be taken in the compaction of the backfill to avoid damage to the pipes and structures.

4.3 Foundations and Settlements

Shallow column footings and continuous wall footings are suitable to support the structures provided they are founded on a layer of properly prepared and compacted soil as described in Section 4.1. The foundations may be designed using an allowable soil bearing pressure of 2,000 psf when foundations are supported on imported or native soils (extending a minimum of 1.0 feet below footings). Column footings with greater than 50 kip loading shall have 3 feet of engineered fill below and beyond (laterally) the footing.

The allowable soil pressure may be increased by 20% for each foot of embedment depth of the footings in excess of 18 inches and by one-third for short term loads induced by winds or seismic events. The maximum allowable soil pressure at increased embedment depths shall not exceed 3,000 psf.

All exterior and interior foundations should be embedded a minimum of 18 inches below the building support pad or lowest adjacent final grade, whichever is deeper. Continuous wall footings should have a minimum width of 12 inches. Column footings should have a minimum width of 24 inches and should not be structurally isolated. ***Recommended concrete reinforcement and sizing for all footings should be provided by the structural engineer.***

Resistance to horizontal loads will be developed by passive earth pressure on the sides of footings and frictional resistance developed along the bases of footings and concrete slabs. Passive resistance to lateral earth pressure may be calculated using an equivalent fluid pressure of 350 pcf to resist lateral loadings. The top one foot of embedment should not be considered in computing passive resistance unless the adjacent area is confined by a slab or pavement. An allowable friction coefficient of 0.45 may also be used at the base of the footings to resist lateral loading.

Foundation movement under the estimated static (non-seismic) loadings and static site conditions are estimated to not exceed ¾ inch with differential movement of about two-thirds of total movement for the loading assumptions stated above when the subgrade preparation guidelines given above are followed. Movement during a design basis seismic event has not been evaluated.

4.4 Slabs-On-Grade

Structural Concrete: Structural concrete slabs are those slabs (foundations) that underlie structures or patio covers (shades). These slabs that are placed over native soil should be designed in accordance with Chapter 18 of the 2019 CBC and shall be a minimum of 6 inches thick for forklift traffic and 5 inches thick in non-traffic areas (office).

American Concrete Institute (ACI) guidelines (ACI 302.1R-15 Chapter 5, Section 5.2.3) provide recommendations regarding the use of moisture barriers beneath concrete slabs. The concrete floor slabs should be underlain by a 10-mil polyethylene vapor retarder that works as a capillary break to reduce moisture migration into the slab section. All laps and seams should be overlapped 6-inches or as recommended by the manufacturer. The vapor retarder should be protected from puncture. The joints and penetrations should be sealed with the manufacturer's recommended adhesive, pressure-sensitive tape, or both. The vapor retarder should extend a minimum of 12 inches into the footing excavations. The vapor retarder may lie directly on the granular fill with 2 inches of clean sand cover.

Placing sand over the vapor retarder may increase moisture transmission through the slab, because it provides a reservoir for bleed water from the concrete to collect. The sand placed over the vapor retarder may also move and mound prior to concrete placement, resulting in an irregular slab thickness. For areas with moisture sensitive flooring materials, ACI recommends that concrete slabs be placed without a sand cover directly over the vapor retarder, provided that the concrete mix uses a low-water cement ratio and concrete curing methods are employed to compensate for release of bleed water through the top of the slab. The vapor retarder should have a minimum thickness of 15-mil (Stego-Wrap or equivalent).

Concrete slab and flatwork reinforcement should consist of chaired rebar slab reinforcement (minimum of No. 4 bars at 18-inch centers, both horizontal directions) placed at slab mid-height to resist potential swell forces and cracking. ***Slab thickness and steel reinforcement are minimums only and should be verified by the structural engineer/designer knowing the actual project loadings.*** The construction joint between the foundation and any mowstrips/sidewalks placed adjacent to foundations should be sealed with a polyurethane based non-hardening sealant to prevent moisture migration between the joint.

Control joints should be provided in all concrete slabs-on-grade at a maximum spacing (in feet) of 2 to 3 times the slab thickness (in inches) as recommended by American Concrete Institute (ACI) guidelines. All joints should form approximately square patterns to reduce randomly oriented contraction cracks. Contraction joints in the slabs should be tooled at the time of the pour or sawcut (¼ of slab depth) within 6 to 8 hours of concrete placement. Construction (cold) joints in foundations and area flatwork should either be thickened butt-joints with dowels or a thickened keyed-joint designed to resist vertical deflection at the joint. All joints in flatwork should be sealed to prevent moisture, vermin, or foreign material intrusion. Precautions should be taken to prevent curling of slabs in this arid desert region (refer to ACI guidelines).

Non-structural Concrete: All non-structural independent flatwork (sidewalks and uncovered patios) shall be a minimum of 4 inches thick and should be placed on a minimum of 2 inches of concrete sand or aggregate base, dowelled to the perimeter foundations where adjacent to the building to prevent separation and sloped 2% (sidewalks) or 1 to 2% (patios) away from the building. Patio slabs with shade structures shall have a perimeter footing (18-inch embedment depth) and shall have interior grade beams (12-inch minimum embedment depth) at 15 feet on center. Planters that trap water between sidewalks and foundations are not allowed.

A minimum of 24 inches of moisture conditioned (2% minimum above optimum) and 8 inches of compacted subgrade (87 to 92%) should underlie all independent flatwork. Flatwork which contains steel reinforcing (except wire mesh) should be underlain by a 10-mil (minimum) polyethylene separation sheet and at least a 2-inch sand cover. All flatwork should be jointed in square patterns and at irregularities in shape at a maximum spacing of 8 feet or the least width of the sidewalk.

4.5 Concrete Mixes and Corrosivity

Selected chemical analyses for corrosivity were conducted on bulk samples of the near surface soil from the project site (Plate C-7). The native soils were found to have S0 (low) levels of sulfate ion concentration (25 ppm). Sulfate ions in high concentrations can attack the cementitious material in concrete, causing weakening of the cement matrix and eventual deterioration by raveling. The following table provides American Concrete Institute (ACI) recommended cement types, water-cement ratio and minimum compressive strengths for concrete in contact with soils:

Concrete Mix Design Criteria due to Soluble Sulfate Exposure

Sulfate Exposure Class	Water-soluble Sulfate (SO_4) in soil, ppm	Cement Type	Maximum Water-Cement Ratio by weight	Minimum Strength f'c (psi)
S0	0-1,000	–	–	–
S1	1,000-2,000	II	0.50	4,000
S2	2,000-20,000	V	0.45	4,500
S3	Over 20,000	V (plus Pozzolon)	0.45	4,500

Note: From ACI 318-14 Table 19.3.1.1 and Table 19.3.2.1

A minimum of 2,500 psi concrete of Type II Portland Cement with a maximum water/cement ratio of 0.60 (by weight) should be used for concrete placed in contact with native soil on this project (sitework including streets, sidewalks, driveways, patios, and foundations). A minimum concrete cover of three (3) inches is recommended around steel reinforcing or embedded components (anchor bolts, hold-downs, etc.) exposed to native soil or landscape water (to 18 inches above grade). The concrete should also be thoroughly vibrated during placement.

The native soil has low levels of chloride ion concentration (60 to 150 ppm). Chloride ions can cause corrosion of reinforcing steel, anchor bolts and other buried metallic conduits. Resistivity determinations on the soil indicate moderate potential for metal loss because of electrochemical corrosion processes. ***No metallic water pipes or conduits should be placed below foundations.***

Foundation designs shall provide a minimum concrete cover of three (3) inches around steel reinforcing or embedded components (anchor bolts, etc.) exposed to native soil or landscape water (to 18 inches above grade). If the 3-inch concrete edge distance cannot be achieved, all embedded steel components (anchor bolts, etc.) shall be epoxy coated for corrosion protection (in accordance with ASTM D3963/A934) or a corrosion inhibitor and a permanent waterproofing membrane shall be placed along the exterior face of the exterior footings. ***Hold-down straps should not be used at foundation edges due to corrosion of metal at its protrusion from the slab edge.*** Additionally, the concrete should be thoroughly vibrated at footings during placement to decrease the permeability of the concrete.

Copper water piping (except for trap primers) should not be placed under floor slabs. All copper piping within 18 inches of ground surface shall be wrapped with two layers of 10 mil plumbers tape or sleeved with PVC piping to prevent contact with soil.

The trap primer pipe shall be completely encapsulated in a PVC sleeve and Type K copper should be utilized if polyethylene tubing cannot be used. Pressurized waterlines are not allowed under the floor slab. Fire protection piping (risers) should be placed outside of the building foundation.

Landmark does not practice corrosion engineering. We recommend that a qualified corrosion engineer evaluate the corrosion potential on metal construction materials and concrete at the site to obtain final design recommendations.

4.6 Excavations

All site excavations should conform to CalOSHA requirements for Type C soil. The contractor is solely responsible for the safety of workers entering trenches. Temporary excavations with depths of 4 feet or less may be cut nearly vertical for short duration. Excavations deeper than 4 feet will require shoring or slope inclinations in conformance to CAL/OSHA regulations for Type C soil. Surcharge loads of stockpiled soil or construction materials should be set back from the top of the slope a minimum distance equal to the height of the slope. All permanent slopes should not be steeper than 3:1 to reduce wind and rain erosion. Protected slopes with ground cover may be as steep as 2:1. However, maintenance with motorized equipment may not be possible at this inclination.

4.7 Lateral Earth Pressures

Earth retaining structures, such as retaining walls, should be designed to resist the soil pressure imposed by the retained soil mass. Walls with granular drained backfill may be designed for an assumed static earth pressure equivalent to that exerted by a fluid weighing 34 pcf for unrestrained (active) conditions (able to rotate 0.1% of wall height), and 54 pcf for restrained (at-rest) conditions. These values should be verified at the actual wall locations during construction.

4.8 Seismic Design

This site is located in the seismically active southern California area and the site structures are subject to strong ground shaking due to potential fault movements along nearby faults.

Engineered design and earthquake-resistant construction are the common solutions to increase safety and development of seismic areas. Designs should comply with the latest edition of the CBC for Site Class C using the seismic coefficients given in Section 3.6 of this report.

4.9 Pavements

Pavements should be designed according to the 2020 Caltrans Highway Design Manual or other acceptable methods. Traffic indices were not provided by the project engineer or owner; therefore, we have provided structural sections for several traffic indices for comparative evaluation. The public agency or design engineer should decide the appropriate traffic index for the site. Maintenance of proper drainage is necessary to prolong the service life of the pavements. Based on the current Caltrans method, an estimated R-value of 60 for the subgrade soil and assumed traffic indices, the following table provides our estimates for asphaltic concrete (AC) pavement sections.

PAVEMENT STUCTURAL SECTIONS

R-Value of Subgrade Soil - 60 (estimated) Design Method - CALTRANS 2020

Traffic Index (assumed	Flexible Pavements	
	Asphaltic Concrete Thickness (in.)	Aggregate Base Thickness (in.)
5.0	3.0	4.0
6.0	3.0	4.0
7.0	4.0	4.0
10.0	5.0	6.0

Notes:

1) Asphaltic concrete shall be Caltrans, Type B, ¾ inch maximum medium grading, (½ inch for parking areas) medium grading with PG70-10 asphalt concrete, compacted to a minimum of 95% of the 50-blow Marshall density (ASTM D1559) or a minimum of 92% of the Maximum Theoretical Density (ASTM D2041).
2) Aggregate base shall conform to Caltrans Class 2 (¾ in. maximum), compacted to a minimum of 95% of ASTM D1557 maximum dry density.
3) Place pavements on 12 inches of moisture conditioned (at least 2% of over optimum) native soil compacted to a minimum of 95% of the maximum dry density determined by ASTM D1557, or the governing agency requirements.

Final pavement sections may need to be determined by sampling and R-Value testing during grading operations when actual subgrade soils are exposed.

Section 5
LIMITATIONS AND ADDITIONAL SERVICES

5.1 Limitations

The findings and professional opinions within this report are based on current information regarding the proposed warehouse located at the southwest corner of Central Road and Cordova Road northeast of Apple Valley, California. The conclusions and professional opinions of this report are invalid if:

- Structural loads change from those stated or the structures are relocated.
- The Additional Services section of this report is not followed.
- This report is used for adjacent or other property.
- Changes of grade or groundwater occur between the issuance of this report and construction other than those anticipated in this report.
- Any other change that materially alters the project from that proposed at the time this report was prepared.

This report was prepared according to the generally accepted *geotechnical engineering standards of practice* that existed in San Bernardino County at the time the report was prepared. No express or implied warranties are made in connection with our services.

Findings and professional opinions in this report are based on selected points of field exploration, geologic literature, limited laboratory testing, and our understanding of the proposed project. Our analysis of data and professional opinions presented herein are based on the assumption that soil conditions do not vary significantly from those found at specific exploratory locations. Variations in soil conditions can exist between and beyond the exploration points or groundwater elevations may change. The nature and extend of such variations may not become evident until, during or after construction. If variations are detected, we should immediately be notified as these conditions may require additional studies, consultation, and possible design revisions.

Environmental or hazardous materials evaluations were not performed by ***LandMark Consultants, Inc.*** for this project. ***LandMark Consultants, Inc.*** will assume no responsibility or liability whatsoever for any claim, damage, or injury which results from pre-existing hazardous materials being encountered or present on the project site, or from the discovery of such hazardous materials.

The client has responsibility to see that all parties to the project including designer, contractor, and subcontractor are made aware of this entire report within a reasonable time from its issuance. This report should be considered invalid for periods after two years from the date of report issuance without a review of the validity of the findings and professional opinions by our firm, because of potential changes in the Geotechnical Engineering Standards of Practice.

This report is based upon government regulations in effect at the time of preparation of this report. Future changes or modifications to these regulations may require modification of this report. Land or facility use, on and off-site conditions, regulations, design criteria, procedures, or other factors may change over time, which may require additional work. Any party other than the client who wishes to use this report shall notify ***LandMark Consultants, Inc.*** of such intended use. Based on the intended use of the report, ***LandMark Consultants, Inc.*** may require that additional work be performed and that an updated report be issued. Non-compliance with any of these requirements by the client or anyone else will release ***LandMark Consultants, Inc.*** from any liability resulting from the use of this report by any unauthorized party and client agrees to defend, indemnify, and hold ***LandMark Consultants, Inc.*** harmless from any claim or liability associated with such unauthorized use or non-compliance.

This report contains information that may be useful in the preparation of contract specifications. However, the report is not worded is such a manner that we recommend its use as a construction specification document without proper modification. The use of information contained in this report for bidding purposes should be done at the contractor's option and risk.

5.2 Plan Review

Landmark Consultants, Inc. should be retained during development of design and construction documents to check that the geotechnical professional opinions are appropriate for the proposed project and that the geotechnical professional opinions are properly interpreted and incorporated into the documents. ***Landmark Consultants, Inc.*** should have the opportunity to review the final design plans and specifications for the project prior to the issuance of such for bidding.

Governmental agencies may require review of the plans by the geotechnical engineer of record for compliance to the geotechnical report.

5.3 Additional Services

We recommend that ***Landmark Consultants, Inc.*** be retained to provide the tests and observations services during construction. *The geotechnical engineering firm providing such tests and observations shall become the geotechnical engineer of record and assume responsibility for the project.*

Landmark Consultants, Inc. *recommendations for this site are, to a high degree, dependent upon appropriate quality control of subgrade preparation, fill placement, and foundation construction. Accordingly, the findings and professional opinions in this report are made contingent upon the opportunity for* ***Landmark Consultants, Inc.*** *to observe grading operations and foundation excavations for the proposed construction.*

If parties other than ***Landmark Consultants, Inc.*** *are engaged to provide observation and testing services during construction, such parties must be notified that they will be required to assume complete responsibility as the geotechnical engineer of record for the geotechnical phase of the project by concurring with the recommendations in this report and/or by providing alternative recommendations.*

Additional information concerning the scope and cost of these services can be obtained from our office.

Section 6
SELECTED REFERENCES

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TABLES

Table 1
Summary of Characteristics of Closest Known Active Faults

Fault Name	Approximate Distance (miles)	Approximate Distance (km)	Maximum Moment Magnitude (Mw)	Fault Length (km)	Slip Rate (mm/yr)
Helendale - S. Lockhart	1.8	2.8	7.3	97 ± 10	0.6 ± 0.4
North Frontal Fault Zone - Western	11.9	19.1	7.2	51 ± 5	1 ± 0.5
Lenwood - Lockhart - Old Woman Springs	16.5	26.4	7.5	145 ± 15	0.6 ± 0.4
Cleghorn	21.5	34.4	6.5	25 ± 3	3 ± 2
Landers	22.8	36.6	7.3	83 ± 8	0.6 ± 0.4
Johnson Valley (northern)	27.0	43.2	6.7	35 ± 4	0.6 ± 0.4
San Andreas - San Bernardino (South)	28.3	45.3	7.4	103 ± 10	30 ± 7
San Andreas - Mojave	28.6	45.8	7.1	39 ± 4	3 ± 3
North Frontal Fault Zone - Eastern	28.9	46.2	6.7	27 ± 3	0.5 ± 0.3
Calico-Hidalgo	29.7	47.6	7.3	95 ± 10	0.6 ± 0.4
San Jacinto - San Bernardino	30.6	48.9	6.7	36 ± 4	12 ± 6
Cucamonga	32.7	52.4	6.9	28 ± 3	5 ± 2
S. Emerson - Copper Mtn.	36.4	58.3	7	54 ± 5	0.6 ± 0.4
San Jacinto - San Jacinto Valley	40.6	65.0	6.9	43 ± 4	12 ± 6
Pisgah Mtn. - Mesquite Lake	41.7	66.7	7.3	89 ± 9	0.6 ± 0.4
San Jose	45.1	72.2	6.4	20 ± 2	0.5 ± 0.5
Pinto Mtn.	45.7	73.2	7.2	74 ± 7	2.5 ± 2
Clamshell-Sawpit	46.4	74.3	6.5	16 ± 2	0.5 ± 0.5
Sierra Madre	46.6	74.6	7.2	57 ± 6	2 ± 1
Garlock - East	48.4	77.5	7.5	156 ± 16	7 ± 2
Chino Avenue	50.7	81.0	6.7	28 ± 3	1 ± 1
Morongo *	51.2	82.0			

* Note: Faults not included in CGS database.

Table 2
2022 California Building Code (CBC) and ASCE 7-16 Seismic Parameters

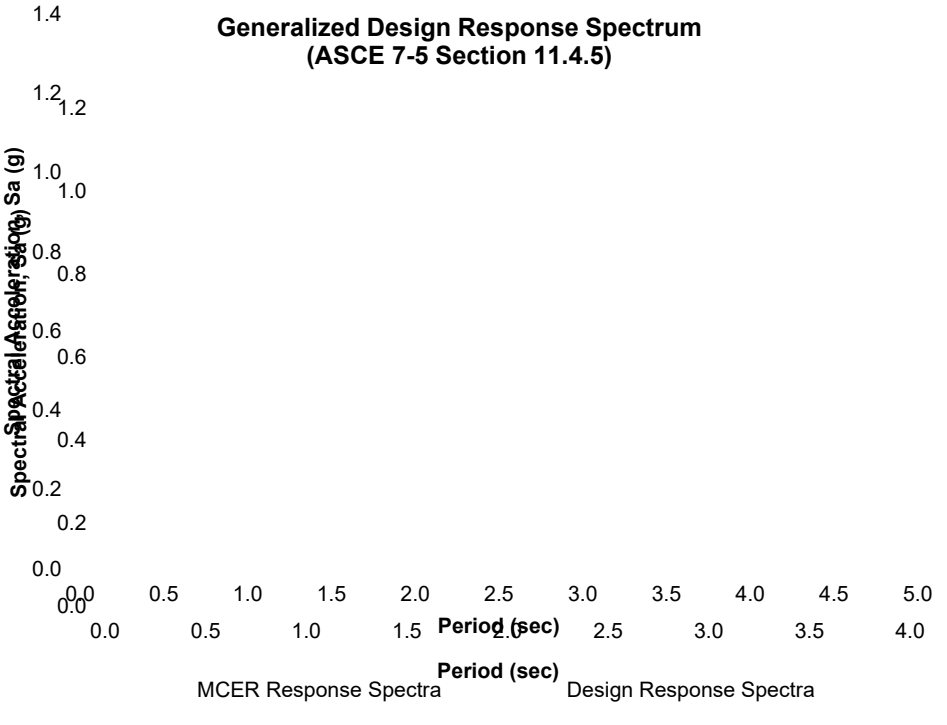
			ASCE 7-16 Reference
Soil Site Class:	**C**		Table 20.3-1
Latitude:	34.6057	N	
Longitude:	-117.1742	W	
Risk Category:	II		
Seismic Design Category:	D		

Maximum Considered Earthquake (MCE) Ground Motion

Mapped MCE_T Short Period Spectral Response	S_s	1.030 g	ASCE Figure 22-1	
Mapped MCE_R 1 second Spectral Response	S_1	0.395 g	ASCE Figure 22-2	
Short Period (0.2 s) Site Coefficient	F_a	1.20	ASCE Table 11.4-1	
Long Period (1.0 s) Site Coefficient	F_v	1.50	ASCE Table 11.4-2	
MCE_T Spectral Response Acceleration Parameter (0.2 s)	S_{MS}	1.236 g	= Fa * S_s	ASCE Equation 11.4-1
MCE_T Spectral Response Acceleration Parameter (1.0 s)	S_{M1}	0.593 g	= Fv * S_1	ASCE Equation 11.4-2

Design Earthquake Ground Motion

Design Spectral Response Acceleration Parameter (0.2 s)	S_{DS}	0.824 g	= 2/3*S_{MS}	ASCE Equation 11.4-3
Design Spectral Response Acceleration Parameter (1.0 s)	S_{D1}	0.395 g	= 2/3*S_{M1}	ASCE Equation 11.4-4
Risk Coefficient at Short Periods (less than 0.2 s)	C_{RS}	0.935		ASCE Figure 22-17
Risk Coefficient at Long Periods (greater than 1.0 s)	C_{R1}	0.925		ASCE Figure 22-18
	T_L	8.00 sec		ASCE Figure 22-12
	T_O	0.10 sec	=0.2*S_{D1}/S_{DS}	
	T_S	0.48 sec	=S_{D1}/S_{DS}	
Peak Ground Acceleration	PGA_M	0.53 g		ASCE Equation 11.8-1



Period T (sec)	Sa (g)	MCE_R Sa (g)
0.00	0.33	0.49
0.10	0.82	1.24
0.48	0.82	1.24
0.70	0.56	0.85
0.80	0.49	0.74
0.90	0.44	0.66
1.00	0.40	0.59
1.10	0.36	0.54
1.20	0.33	0.49
1.30	0.30	0.46
1.40	0.28	0.42
1.50	0.26	0.40
1.75	0.23	0.34
2.00	0.20	0.30
2.20	0.18	0.27
2.40	0.16	0.25
2.60	0.15	0.23
2.80	0.14	0.21
3.00	0.13	0.20
4.00	0.10	0.15
5.00	0.08	0.12

FIGURES

100 km

N

Source: California Geological Survey 2010 Fault Activity Map of California
http://www.quake.ca.gov/gmaps/FAM/faultactivitymap.html#

Project No.: LP23076

Regional Fault Map

Figure 1

Project Site

Source: California Geological Survey 2010 Fault Activity Map of California
http://www.quake.ca.gov/gmaps/FAM/faultactivitymap.html#

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Map of Local Faults

Figure 2

EXPLANATION

Fault traces on land are indicated by solid lines where well located, by dashed lines where approximately located or inferred, and by dotted lines where concealed by younger rocks or by lakes or bays. Fault traces are queried where continuation or existence is uncertain. Concealed faults in the Great Valley are based on maps of selected subsurface horizons, so locations shown are approximate and may indicate structural trend only. All offshore faults based on seismic reflection profile records are shown as solid lines where well defined, dashed where inferred, queried where uncertain.

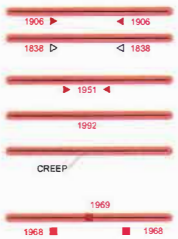
FAULT CLASSIFICATION COLOR CODE
(Indicating Recency of Movement)

Fault along which historic (last 200 years) displacement has occurred and is associated with one or more of the following:

(a) a recorded earthquake with surface rupture. (Also included are some well-defined surface breaks caused by ground shaking during earthquakes, e.g. extensive ground breakage, not on the White Wolf fault, caused by the Arvin-Tehachapi earthquake of 1952). The date of the associated earthquake is indicated. Where repeated surface ruptures on the same fault have occurred, only the date of the latest movement may be indicated, especially if earlier reports are not well documented as to location of ground breaks.

(b) fault creep slippage - slow ground displacement usually without accompanying earthquakes.

(c) displaced survey lines.



A triangle to the right or left of the date indicates termination point of observed surface displacement. Solid red triangle indicates known location of rupture termination point. Open black triangle indicates uncertain or estimated location of rupture termination point.

Date bracketed by triangles indicates local fault break.

No triangle by date indicates an intermediate point along fault break.

Fault that exhibits fault creep slippage. Hachures indicate linear extent of fault creep. Annotation (creep with leader) indicates representative locations where fault creep has been observed and recorded.

Square on fault indicates where fault creep slippage has occured that has been triggered by an earthquake on some other fault. Date of causative earthquake indicated. Squares to right and left of date indicate terminal points between which triggered creep slippage has occurred (creep either continuous or intermittent between these end points).

Holocene fault displacement (during past 11,700 years) without historic record. Geomorphic evidence for Holocene faulting includes sag ponds, scarps showing little erosion, or the following features in Holocene age deposits: offset stream courses, linear scarps, shutter ridges, and triangular faceted spurs. Recency of faulting offshore is based on the interpreted age of the youngest strata displaced by faulting.

Late Quaternary fault displacement (during past 700,000 years). Geomorphic evidence similar to that described for Holocene faults except features are less distinct. Faulting may be younger, but lack of younger overlying deposits precludes more accurate age classification.

Quaternary fault (age undifferentiated). Most faults of this category show evidence of displacement sometime during the past 1.6 million years; possible exceptions are faults which displace rocks of undifferentiated Plio-Pleistocene age. Unnumbered Quaternary faults were based on Fault Map of California, 1975. See Bulletin 201, Appendix D for source data.

Pre-Quaternary fault (older that 1.6 million years) or fault without recognized Quaternary displacement. Some faults are shown in this category because the source of mapping used was of reconnaissnce nature, or was not done with the object of dating fault displacements. Faults in this category are not necessarily inactive.

ADDITIONAL FAULT SYMBOLS

Bar and ball on downthrown side (relative or apparent).

Arrows along fault indicate relative or apparent direction of lateral movement.

Arrow on fault indicates direction of dip.

Low angle fault (barbs on upper plate). Fault surface generally dips less than 45° but locally may have been subsequently steepened. On offshore faults, barbs simply indicate a reverse fault regardless of steepness of dip.

OTHER SYMBOLS

Numbers refer to annotations listed in the appendices of the accompanying report. Annotations include fault name, age of fault displacement, and pertinent references including Earthquake Fault Zone maps where a fault has been zoned by the Alquist-Priolo Earthquake Fault Zoning Act. This Act requires the State Geologist to delineate zones to encompass faults with Holocene displacement.

Structural discontinuity (offshore) separating differing Neogene structural domains. May indicate discontinuities between basement rocks.

Brawley Seismic Zone, a linear zone of seismicity locally up to 10 km wide associated with the releasing step between the Imperial and San Andreas faults.

Geologic Time Scale			Years Before Present (Approx.)	Fault Symbol	Recency of Movement	DESCRIPTION	
						ON LAND	OFFSHORE
Quaternary	Late Quaternary	Historic				Displacement during historic time (e.g. San Andreas fault 1906). Includes areas of known fault creep.	
		Holocene	200			Displacement during Holocene time.	Fault offsets seafloor sediments or strata of Holocene age
		Pleistocene	11,700			Faults showing evidence of displacement during late Quaternary time.	Fault cuts strata of Late Pleistocene age.
	Early Quaternary		700,000			Undivided Quaternary faults - most faults in this category show evidence of displacement during the last 1,600,000 years; possible exceptions are faults which displace rocks of undifferentiated Plio-Pleistocene age.	Fault cuts strata of Quaternary age
Pre-Quaternary			1,600,000*			Faults without recognized Quaternary displacement or showing evidence of no displacement during Quaternary time. Not necessarily inactive.	Fault cuts strata of Pliocene or older age.
			4.5 billion (Age of Earth)				

* Quaternary now recognized as extending to 2.6 Ma (Walker and Geissman, 2009). Quaternary faults in this map were established using the previous 1.6 Ma criterion.

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Geo-Engineers and Geologists

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Fault Map Legend

Figure 3

APPENDIX A

Project Site

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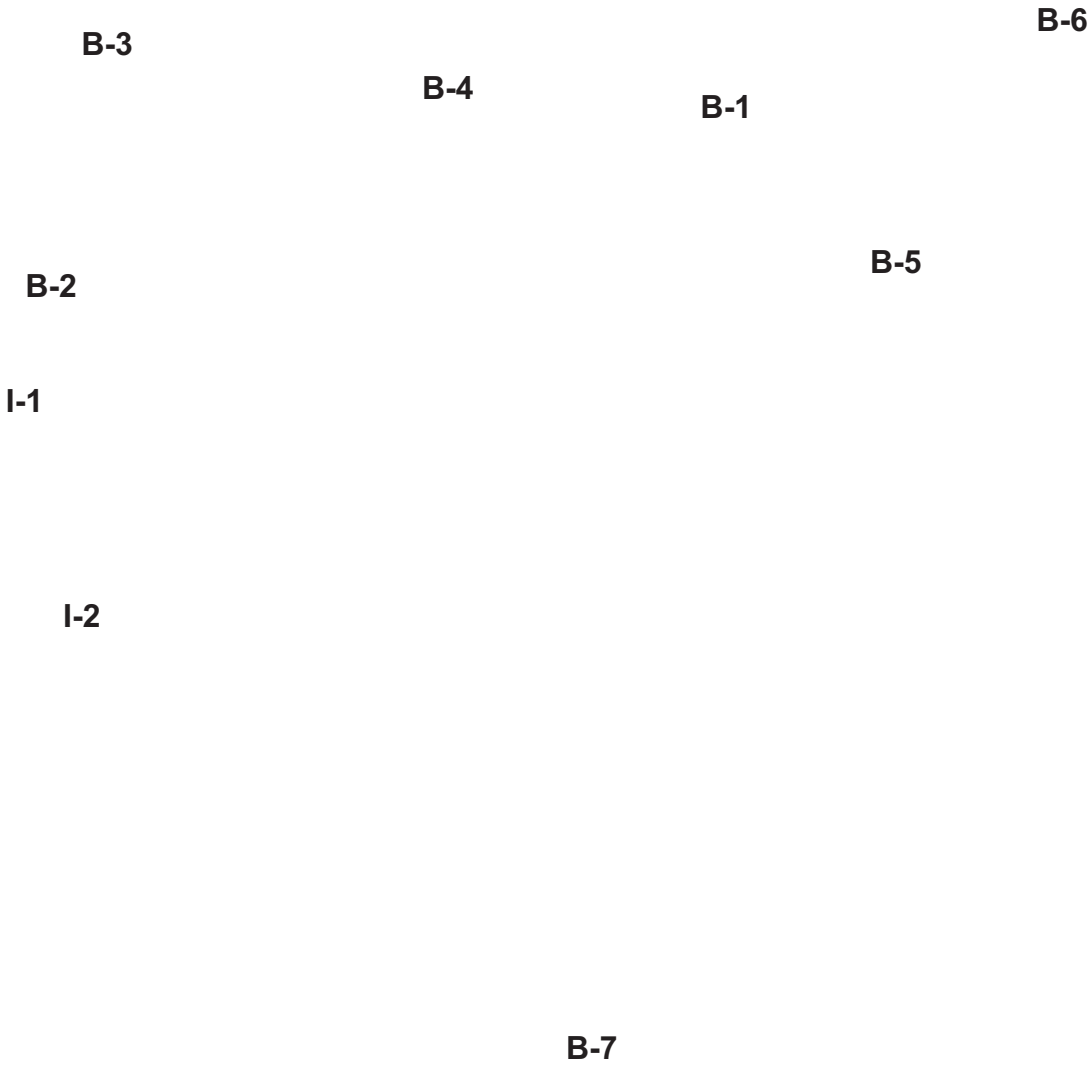
LANDMARK

Project No.: LP23076

Vicinity Map

Plate A-1



LANDMARK

Project No.: LP23076 **Site and Exploration Plan** **Plate A-2**

Project Site

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LANDMARK

Project No.: LP23076

USDA Soil Conservation
Soil Service Map

Plate
A-3

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: San Bernardino County, California, Mojave River Area
Survey Area Data: Version 14, Sep 1, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 17, 2022—Jun 12, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
118	CAJON-ARIZO COMPLEX, 2 TO 15 PERCENT SLOPES*	77.7	15.7%
133	HELENDALE-BRYMAN LOAMY SANDS, 2 TO 5 PERCENT SLOPES*	376.5	76.3%
149	MIRAGE-JOSHUA COMPLEX, 2 TO 5 PERCENT SLOPES*	22.0	4.5%
151	NEBONA-CUDDEBACK COMPLEX, 2 TO 9 PERCENT SLOPES*	17.4	3.5%
Totals for Area of Interest		**493.6**	**100.0%**

Project Site

N

Apple Valley North Quadrangle
California - San Bernardino Co.
7.5 Minute Series

LANDMARK

Project No.: LP23076

USGS
U.S. Department of the Interior
U.S. Gelogical Survey
Topographic Map

Site Coordinates
Lat: 34.6069 N
Long: -117.1742 W

Plate
A-4

Project Site

N

City of Apple Valley, San Bernardino County, CA
Community-Panel Number 06071C5835H

LANDMARK

Project No.: LP23076

Federal Emergency Management Agency (FEMA)
Flood Insurance Rate Map (FIRM)

Plate
A-5

LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

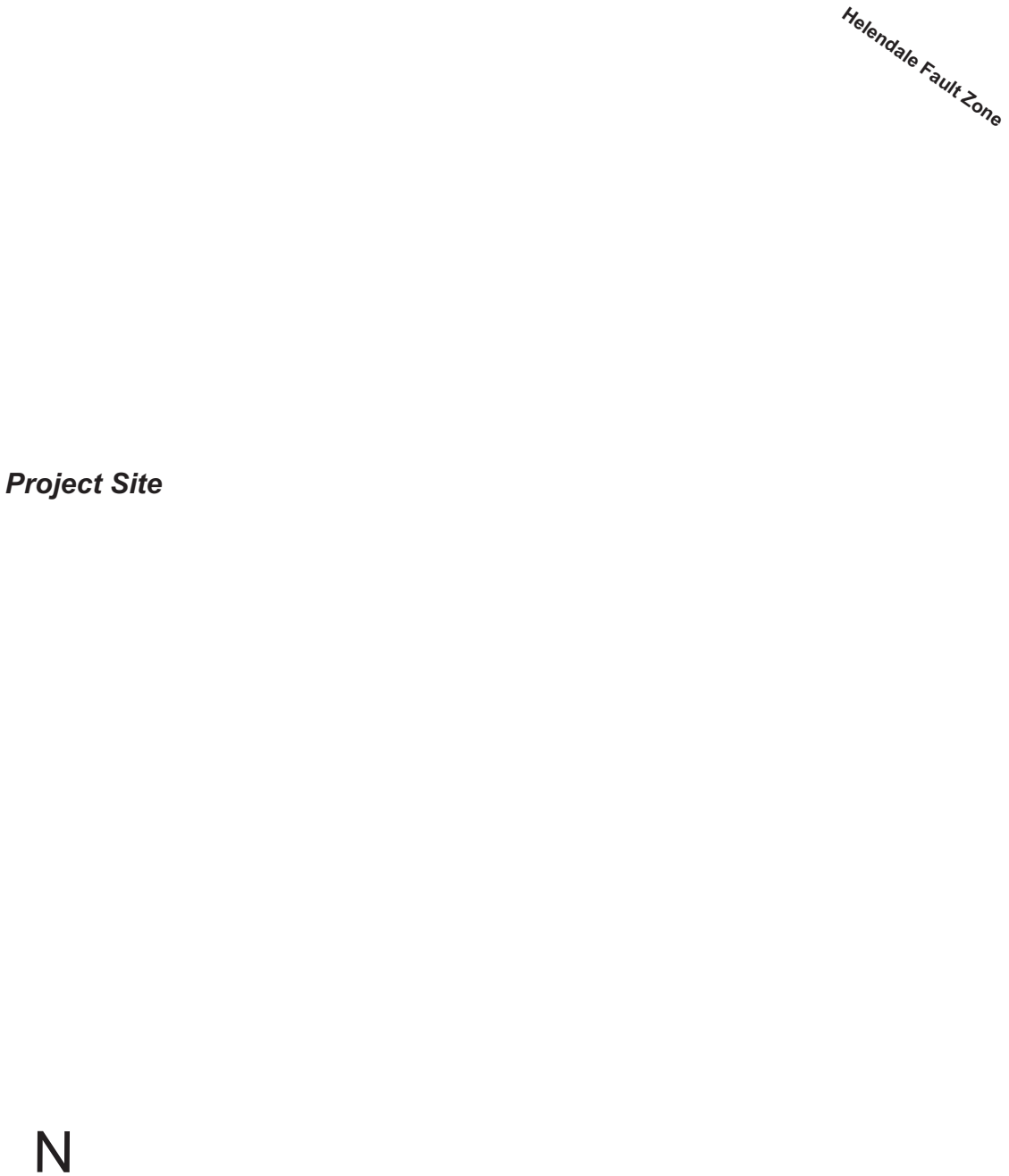
OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

	1% annual chance floodplain boundary
	0.2% annual chance floodplain boundary
	Floodway boundary
	Zone D boundary
	CBRS and OPA boundary
	Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
513	Base Flood Elevation line and value; elevation in feet*
(EL 987)	Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

A — A	Cross section line
23 — 23	Transect line
87°07'45", 32°22'30"	Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
4276000mN	1000-meter Universal Transverse Mercator grid values, zone 11N
600000 FT	5000-foot grid ticks: California State Plane coordinate system, zone VI (FIPSZONE 0406), Lambert Conformal Conic projection
DX5510 ×	Bench mark (see explanation in Notes to Users section of this FIRM panel)
●M1.5	River Mile



Apple Valley North Quadrangle
California - San Bernardino Co.
7.5 Minute Series

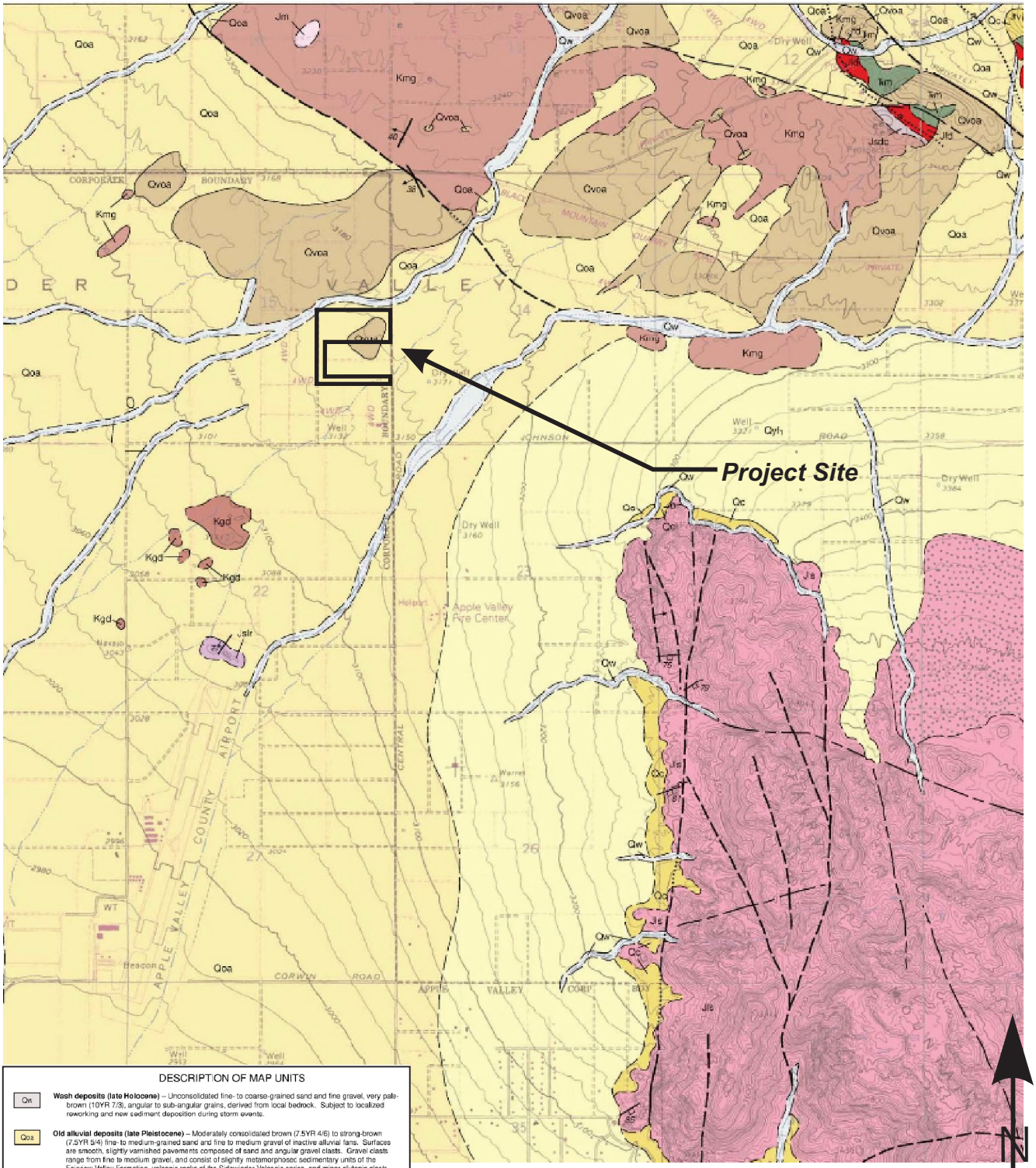
Site Coordinates
Lat: 343.6069 N
Long: -117.1742 W

LANDMARK

Project No.: LP23076

State of California
The Resources Agency
Department of Conservation
A-P Earthquake Fault Zone Map

Plate
A-6



DESCRIPTION OF MAP UNITS

Qw — **Wash deposits (late Holocene)** – Unconsolidated fine- to coarse-grained sand and fine gravel, very pale-brown (10YR 7/3), angular to sub-angular grains, derived from local bedrock. Subject to localized reworking and new sediment deposition during storm events.

Qoa — **Old alluvial deposits (late Pleistocene)** – Moderately consolidated brown (7.5YR 4/6) to strong-brown (7.5YR 5/4) fine- to medium-grained sand and fine to medium gravel of inactive alluvial fans. Surfaces are smooth, slightly varnished pavements composed of sand and angular gravel clasts. Gravel clasts range from fine to medium gravel, and consist of slightly metamorphosec sedimentary units of the Fairview Valley Formation, volcanic rocks of the Sidewinder Volcanic series, and minor plutonic clasts. Surfaces are slightly dissected by modern ephemeral minor washes. Soil development includes some clay coatings on sand and gravel clasts and moderate amounts of desert varnish. Minor pinhole porosity in upper few centimeters of soil is common. In the vicinity of Black Mountain, these deposits are mapped as Qia by Stone (2006).

Qvoa — **Very old alluvial deposits (early Pleistocene to late Miocene?)** – Moderately consolidated, strong-brown (7.5YR 5/6) to yellowish-red (5YR 5/6) sand and gravel deposits. Gravel clasts range from fine to coarse gravel with rare boulders, and consist of slightly metamorphosed sedimentary units of the Fairview Valley Formation, volcanic rocks of the Sidewinder Volcanic series, and minor plutonic clasts. Locally occurs northwest of Bell Mountain, and immediately southwest of Black Mountain in the northern third of the map area. Locally overlies both Cretaceous and Jurassic monzogranite units (Kmg, Jmg) at Black Mountain and occurs as gently dipping, dissected, elevated surfaces. Distinguished from older alluvial deposits by moderate to significant amounts of desert varnish and common caliche-coated gravel clasts. These deposits are mapped in the Black Mountain area as QTou by Stone (2006).

Geologic Map of the
Apple Valley North 7.5' Quadrangle
San Bernardino County, California: A Digital Database
Version 1.0
by
Janis L. Hernandez and Siang S. Tran

LANDMARK
Geo-Engineers and Geologists

Project No.: LP23076

Local Geologic Map

Plate A-7

APPENDIX B

LOG OF BORING No. B-1

SHEET 1 OF 1

DEPTH	FIELD: SAMPLE	FIELD: USCS CLASS.	FIELD: BLOW COUNT	FIELD: POCKET PEN. (tsf)	DESCRIPTION OF MATERIAL	LABORATORY: DRY DENSITY (pcf)	LABORATORY: MOISTURE CONTENT (% dry wt.)	LABORATORY: OTHER TESTS
5			50/3”		SILTY SAND (SM): Lt. brown to tan, damp, very dense, fine to coarse grained, some caliche			Passing #200 = 15.2%
10			97/9”				5.6	Passing #200 = 30.5%
15			50/5”		SAND (SP-SM): Tan to white, damp, very dense, fine to coarse grained, some caliche	95.3	5.2	
20			50/2”				3.2	Passing #200 = 9.4%
25			50/4”		SILTY SAND (SM): Reddish brown, damp, very dense, fine to coarse grained, some caliche	96.6	4.7	Passing #200 = 13.3%
30			50/4”		SAND (SP-SM): Gray to white, dry, very dense, fine to coarse grained, some caliche		1.7	Passing #200 = 7.0%
35			50/3”				2.6	Passing #200 = 5.8%
40			50/3”				2.6	
45			50/2”		no recovery			
50			50/2”				0.3	Passing #200 = 6.8%
55					Groundwater was not encountered at time of drilling. This is not considered the stabilized groundwater depth as groundwater may rise to a level higher than that measured in borehole.			
60								

DATE DRILLED: 4/13/23
LOGGED BY: L. Jackson
SURFACE ELEVATION: Approximately 3165'

TOTAL DEPTH: 51.5 feet
TYPE OF BIT: Hollow Stem Auger
HAMMER WT.: 140 lbs.

DEPTH TO WATER: NA
DIAMETER: 8 in.
DROP: 30 in.

PROJECT NO. LP23076

LANDMARK
Geo-Engineers and Geologists

PLATE B-1

LOG OF BORING No. B-2

SHEET 1 OF 1

DEPTH	FIELD: SAMPLE	FIELD: USCS CLASS.	FIELD: BLOW COUNT	FIELD: POCKET PEN. (tsf)	DESCRIPTION OF MATERIAL	LABORATORY: DRY DENSITY (pcf)	LABORATORY: MOISTURE CONTENT (% dry wt.)	LABORATORY: OTHER TESTS
5			68		SAND (SP-SM): Reddish brown, dry, very dense, fine to coarse grained, some caliche	108.5	2.8	Passing #200 = 6.6%
10			93		SILTY SAND (SM): Yellow brown to lt. brown, damp, very dense, fine to coarse grained, some caliche		3.1	
15			50/4”			104.2	5.7	Passing #200 = 13.6%
20			94/10”				4.9	
25								
30								
35								
40								
45								
50								
55								
60								

Groundwater was not encountered at time of drilling. This is not considered the stabilized groundwater depth as groundwater may rise to a level higher than that measured in borehole.

DATE DRILLED: 4/13/23

LOGGED BY: L. Jackson

SURFACE ELEVATION: Approximately 3155'

TOTAL DEPTH: 21.5 feet

TYPE OF BIT: Hollow Stem Auger

HAMMER WT.: 140 lbs.

DEPTH TO WATER: NA

DIAMETER: 8 in.

DROP: 30 in.

PROJECT NO. LP23076

LANDMARK Geo-Engineers and Geologists

PLATE B-2

LOG OF BORING No. B-3

SHEET 1 OF 1

DEPTH	FIELD: SAMPLE	FIELD: USCS CLASS.	FIELD: BLOW COUNT	FIELD: POCKET PEN. (tsf)	DESCRIPTION OF MATERIAL	LABORATORY: DRY DENSITY (pcf)	LABORATORY: MOISTURE CONTENT (% dry wt.)	LABORATORY: OTHER TESTS
5			32		SILTY SAND (SM): Yellow brown to lt. brown, damp, dense to very dense, fine to coarse grained, some caliche	106.9	1.1	Passing #200 = 16.5%
10			38				2.7	
15			50/3"			112.3	2.6	
20			50/6"		SAND (SP-SM): Lt. brown, damp, very dense, fine to coarse grained, some caliche		4.7	Passing #200 = 4.7%
25								
30								
35								
40								
45								
50								
55								
60								

Groundwater was not encountered at time of drilling. This is not considered the stabilized groundwater depth as groundwater may rise to a level higher than that measured in borehole.

DATE DRILLED: 4/13/23

LOGGED BY: L. Jackson

SURFACE ELEVATION: Approximately 3155'

TOTAL DEPTH: 21.5 feet

TYPE OF BIT: Hollow Stem Auger

HAMMER WT.: 140 lbs.

DEPTH TO WATER: NA

DIAMETER: 8 in.

DROP: 30 in.

PROJECT NO. LP23076

LANDMARK Geo-Engineers and Geologists

PLATE B-3

LOG OF BORING No. B-4

SHEET 1 OF 1

DEPTH	FIELD: SAMPLE	FIELD: USCS CLASS.	FIELD: BLOW COUNT	FIELD: POCKET PEN. (tsf)	DESCRIPTION OF MATERIAL	LABORATORY: DRY DENSITY (pcf)	LABORATORY: MOISTURE CONTENT (% dry wt.)	LABORATORY: OTHER TESTS
5			50/5”		SAND (SP-SM): Lt. brown, dry to damp, very dense, fine to coarse grained, some caliche no recovery			
10			21		medium dense		2.6	Passing #200 = 6.0%
15			50/6”			104.4	9.1	Passing #200 = 7.6%
20			50/3”				5.1	
25								
30								
35								
40								
45								
50								
55								
60					Groundwater was not encountered at time of drilling. This is not considered the stabilized groundwater depth as groundwater may rise to a level higher than that measured in borehole.			

DATE DRILLED: 4/13/23

LOGGED BY: L. Jackson

SURFACE ELEVATION: Approximately 3160'

TOTAL DEPTH: 21.5 feet

TYPE OF BIT: Hollow Stem Auger

HAMMER WT.: 140 lbs.

DEPTH TO WATER: NA

DIAMETER: 8 in.

DROP: 30 in.

PROJECT NO. LP23076

LANDMARK Geo-Engineers and Geologists

PLATE B-4

LOG OF BORING No. B-5

SHEET 1 OF 1

DEPTH	FIELD: SAMPLE	FIELD: USCS CLASS.	FIELD: BLOW COUNT	FIELD: POCKET PEN. (tsf)	DESCRIPTION OF MATERIAL	LABORATORY: DRY DENSITY (pcf)	LABORATORY: MOISTURE CONTENT (% dry wt.)	LABORATORY: OTHER TESTS
5			50/5”		SILTY SAND (SM): Reddish brown, humid, very dense, fine to coarse grained, some caliche	104.4	4.1	Passing #200 = 15.6%
10			51		SAND (SP): Lt. brown, dry, very dense, fine to coarse grained, some caliche		3.5	
15			50/2”			97.7	4.4	Passing #200 = 2.7%
20			91				2.8	
25								
30								
35								
40								
45								
50								
55								
60					Groundwater was not encountered at time of drilling. This is not considered the stabilized groundwater depth as groundwater may rise to a level higher than that measured in borehole.			

DATE DRILLED: 4/13/23

LOGGED BY: L. Jackson

SURFACE ELEVATION: Approximately 3165'

TOTAL DEPTH: 21.5 feet

TYPE OF BIT: Hollow Stem Auger

HAMMER WT.: 140 lbs.

DEPTH TO WATER: NA

DIAMETER: 8 in.

DROP: 30 in.

PROJECT NO. LP23076

LANDMARK
Geo-Engineers and Geologists

PLATE B-5

LOG OF BORING No. B-6

SHEET 1 OF 1

DEPTH	FIELD: SAMPLE	FIELD: USCS CLASS.	FIELD: BLOW COUNT	FIELD: POCKET PEN. (tsf)	DESCRIPTION OF MATERIAL	LABORATORY: DRY DENSITY (pcf)	LABORATORY: MOISTURE CONTENT (% dry wt.)	LABORATORY: OTHER TESTS
5			50/4”		SILTY SAND (SM): Lt. brown, dry, very dense, fine to coarse grained, some caliche	88.5	3.0	Passing #200 = 17.0%
10			50/4”				2.7	
15			50/6”		SAND (SP-SM): Reddish brown, dry to damp, very dense, fine to coarse grained, some caliche	110.2	3.9	Passing #200 = 5.8%
20			50/3”				6.0	
25								
30								
35								
40								
45								
50								
55								
60								

Groundwater was not encountered at time of drilling. This is not considered the stabilized groundwater depth as groundwater may rise to a level higher than that measured in borehole.

DATE DRILLED: 4/13/23

LOGGED BY: L. Jackson

SURFACE ELEVATION: Approximately 3175'

TOTAL DEPTH: 21.5 feet

TYPE OF BIT: Hollow Stem Auger

HAMMER WT.: 140 lbs.

DEPTH TO WATER: NA

DIAMETER: 8 in.

DROP: 30 in.

PROJECT NO. LP23076

LANDMARK Geo-Engineers and Geologists

PLATE B-6

LOG OF BORING No. B-7

SHEET 1 OF 1

DEPTH	FIELD: SAMPLE	FIELD: USCS CLASS.	FIELD: BLOW COUNT	FIELD: POCKET PEN. (tsf)	DESCRIPTION OF MATERIAL	LABORATORY: DRY DENSITY (pcf)	LABORATORY: MOISTURE CONTENT (% dry wt.)	LABORATORY: OTHER TESTS
5			50/5”		SILTY SAND (SM): Lt. brown, dry to damp, very dense, fine to coarse grained, some caliche	102.4	6.6	Passing #200 = 17.3%
10			82				3.0	
15			50/4”					
20			49				3.8	Passing #200 = 13.7%
25								
30								
35								
40								
45								
50								
55								
60								

Groundwater was not encountered at time of drilling. This is not considered the stabilized groundwater depth as groundwater may rise to a level higher than that measured in borehole.

DATE DRILLED: 4/19/23

LOGGED BY: L. Jackson

SURFACE ELEVATION: Approximately 3160'

TOTAL DEPTH: 21.5 feet

TYPE OF BIT: Hollow Stem Auger

HAMMER WT.: 140 lbs.

DEPTH TO WATER: NA

DIAMETER: 8 in.

DROP: 30 in.

PROJECT NO. LP23076

LANDMARK Geo-Engineers and Geologists

PLATE B-7

DEFINITION OF TERMS

PRIMARY DIVISIONS			SYMBOLS	SECONDARY DIVISIONS
Coarse grained soils More than half of material is larger that No. 200 sieve	**Gravels** More than half of coarse fraction is larger than No. 4 sieve	Clean gravels (less than 5% fines)	**GW**	Well graded gravels, gravel-sand mixtures, little or no fines
			GP	Poorly graded gravels, or gravel-sand mixtures, little or no fines
		Gravel with fines	**GM**	Silty gravels, gravel-sand-silt mixtures, non-plastic fines
			GC	Clayey gravels, gravel-sand-clay mixtures, plastic fines
	Sands More than half of coarse fraction is smaller than No. 4 sieve	Clean sands (less than 5% fines)	**SW**	Well graded sands, gravelly sands, little or no fines
			SP	Poorly graded sands or gravelly sands, little or no fines
		Sands with fines	**SM**	Silty sands, sand-silt mixtures, non-plastic fines
			SC	Clayey sands, sand-clay mixtures, plastic fines
Fine grained soils More than half of material is smaller than No. 200 sieve	**Silts and clays** Liquid limit is less than 50%		**ML**	Inorganic silts, clayey silts with slight plasticity
			CL	Inorganic clays of low to medium plasticity, gravely, sandy, or lean clays
			OL	Organic silts and organic clays of low plasticity
	Silts and clays Liquid limit is more than 50%		**MH**	Inorganic silts, micaceous or diatomaceous silty soils, elastic silts
			CH	Inorganic clays of high plasticity, fat clays
			OH	Organic clays of medium to high plasticity, organic silts
Highly organic soils			**PT**	Peat and other highly organic soils

GRAIN SIZES

Silts and Clays	Sand			Gravel		Cobbles	Boulders
	Fine	Medium	Coarse	Fine	Coarse		
200	40	10	4	3/4"	3"	12"	

US Standard Series Sieve — Clear Square Openings

Sands, Gravels, etc.	Blows/ft. *
Very Loose	0-4
Loose	4-10
Medium Dense	10-30
Dense	30-50
Very Dense	Over 50

Clays & Plastic Silts	Strength **	Blows/ft. *
Very Soft	0-0.25	0-2
Soft	0.25-0.5	2-4
Firm	0.5-1.0	4-8
Stiff	1.0-2.0	8-16
Very Stiff	2.0-4.0	16-32
Hard	Over 4.0	Over 32

* Number of blows of 140 lb. hammer falling 30 inches to drive a 2 inch O.D. (1 3/8 in. I.D.) split spoon (ASTM D1586).

** Unconfined compressive strength in tons/s.f. as determined by laboratory testing or approximated by the Standard Penetration Test (ASTM D1586), Pocket Penetrometer, Torvane, or visual observation.

Type of Samples:

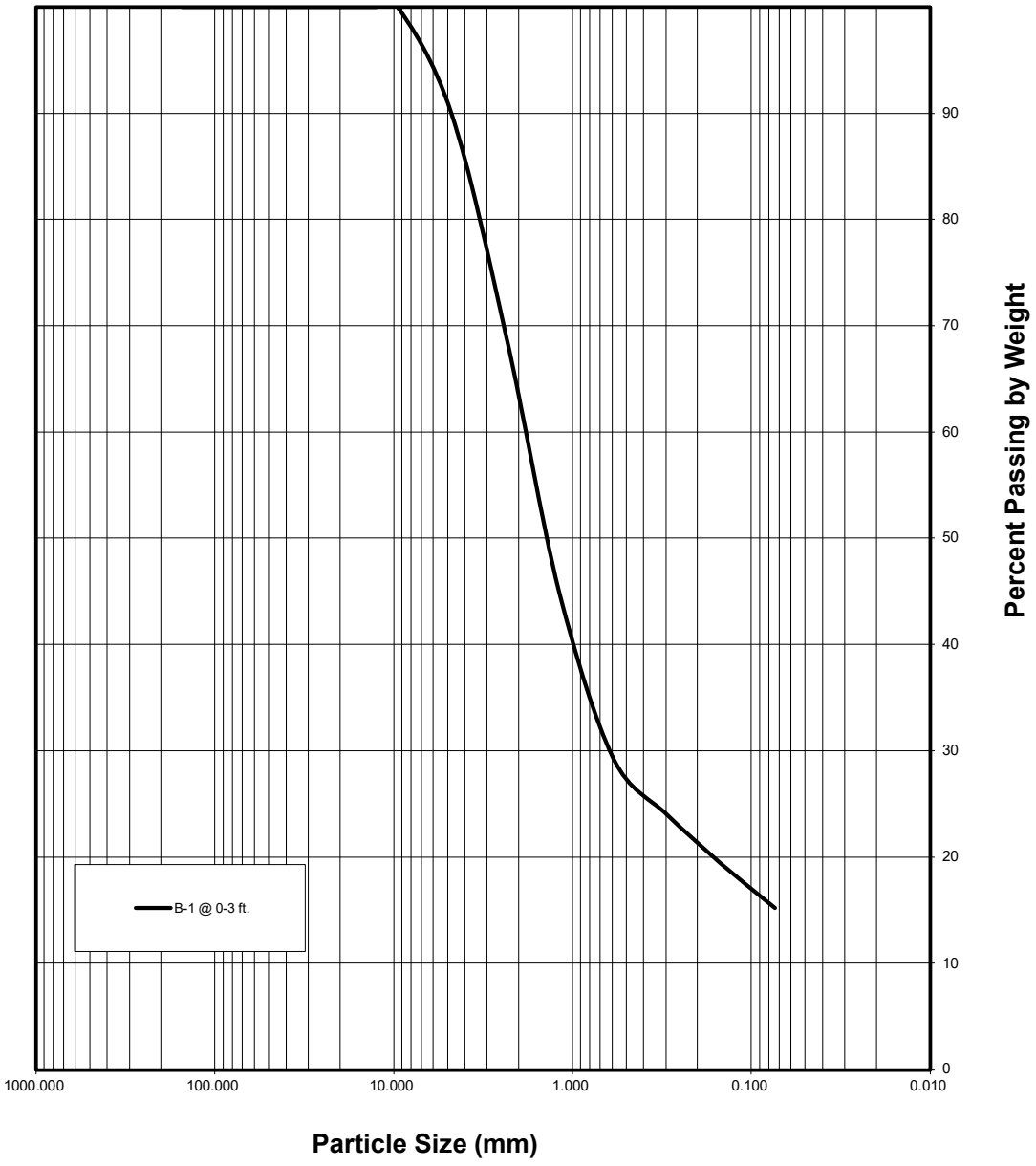
Ring Sample Standard Penetration Test Shelby Tube Bulk (Bag) Sample

Drilling Notes:

1. Sampling and Blow Counts
   - Ring Sampler - Number of blows per foot of a 140 lb. hammer falling 30 inches.
   - Standard Penetration Test - Number of blows per foot.
   - Shelby Tube - Three (3) inch nominal diameter tube hydraulically pushed.
2. P. P. = Pocket Penetrometer (tons/s.f.).
3. NR = No recovery.
4. GWT = Ground Water Table observed @ specified time.

APPENDIX C

SIEVE ANALYSIS						
Cobbles and Boulders	Gravel		Sand			Silt and Clay
	Coarse	Fine	Coarse	Medium	Fine	



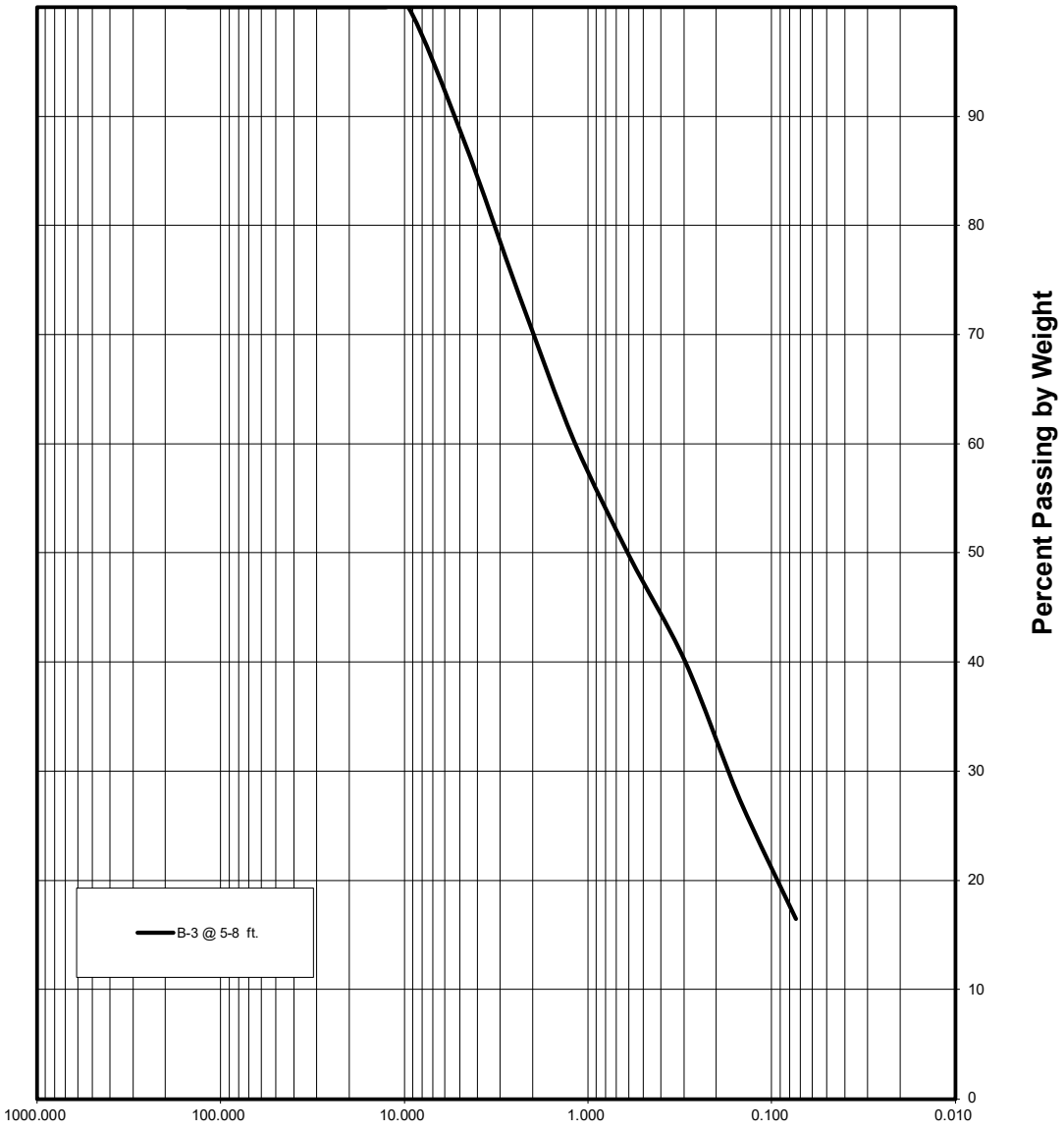
LANDMARK
Geo-Engineers and Geologists

Project No.: LP23076

Grain Size Analysis

Plate C-1

SIEVE ANALYSIS						
Cobbles and Boulders	Gravel		Sand			Silt and Clay
	Coarse	Fine	Coarse	Medium	Fine	



LANDMARK
Geo-Engineers and Geologists

Project No.: LP23076

Grain Size Analysis

Plate C-1

LANDMARK CONSULTANTS, INC.

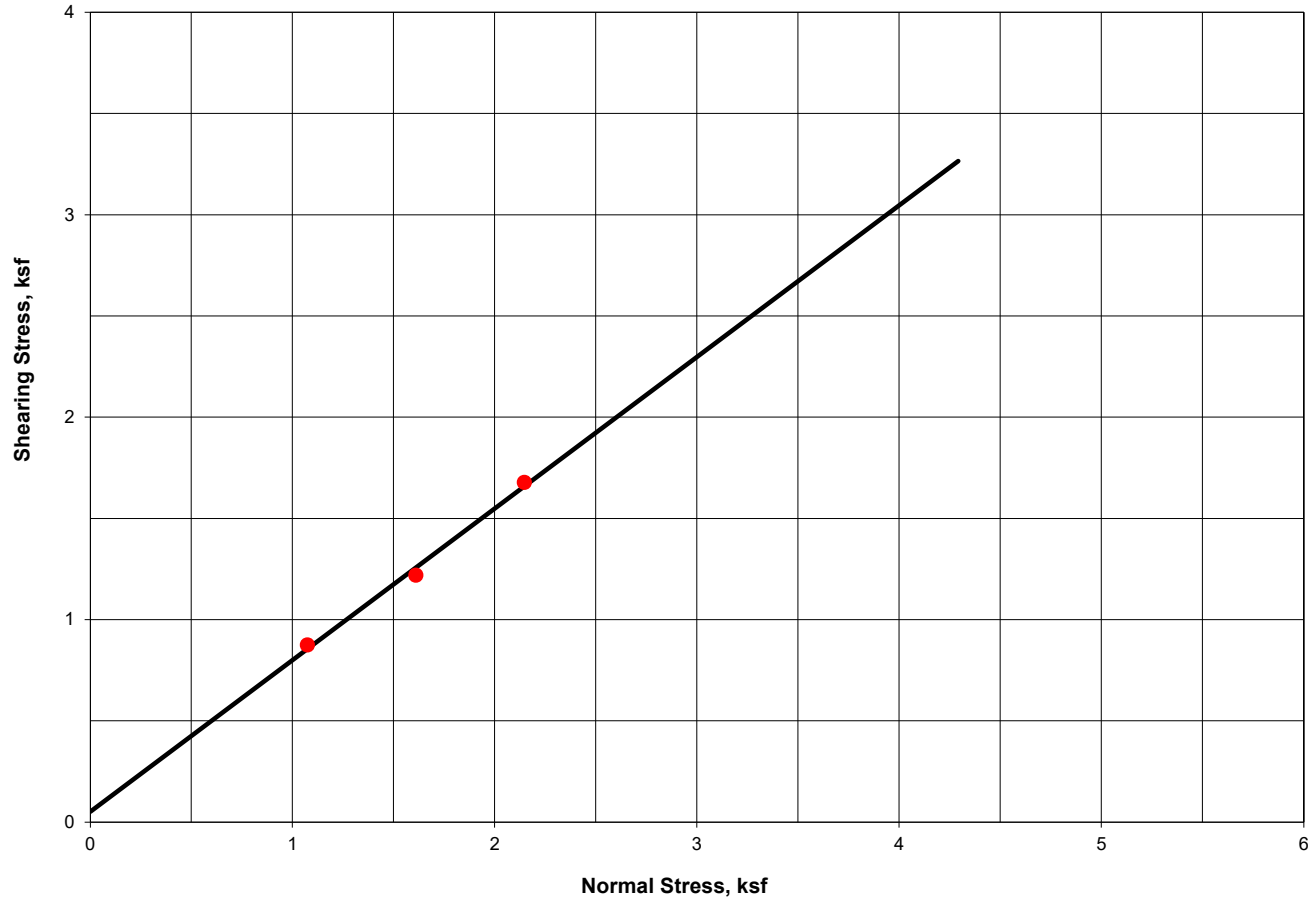
CLIENT: AV 3PL Center, LLC
PROJECT: Apple Valley Site 2 - Apple Valley, CA
PROJECT No: LP23076 **DATE:** 4/21/2023

DIRECT SHEAR TEST - INSITU (ASTM D3080)

SAMPLE LOCATION: B-1 @ 5 ft
SAMPLE DESCRIPTION: Sand (SP)

Angle of Internal Friction: 37º
Cohesion: 0.05 ksf
Initial Dry Density: 110.5 pcf
Initial Moisture Content: 3.1%

DIRECT SHEAR TEST RESULTS



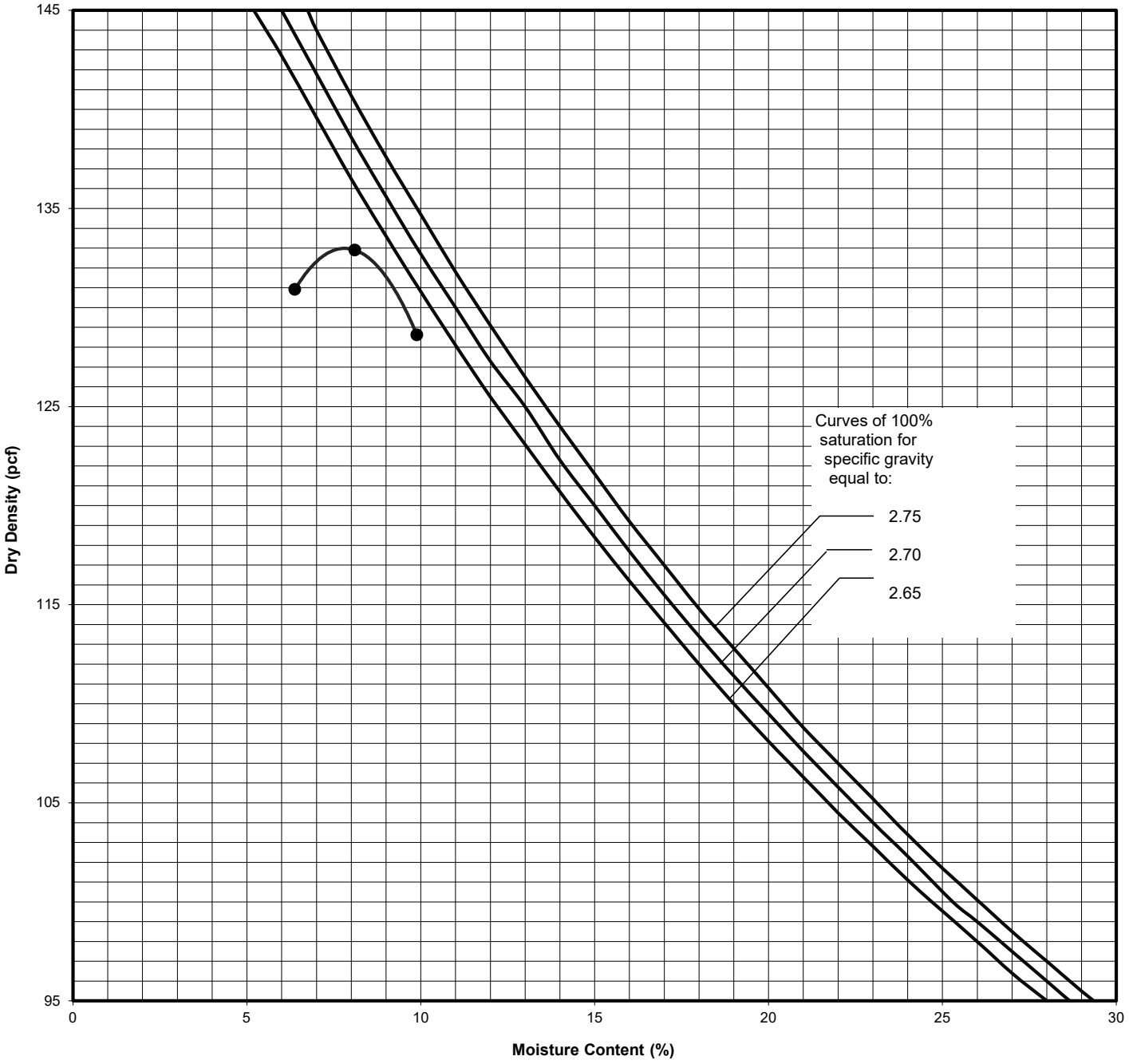
LANDMARK Geo-Engineers and Geologists
PROJECT No: LP23076

Direct Shear Test Results

Plate C-3

Client: AV 3PL Center, LLC
Project: Apple Valley Site 2 - Apple Valley, CA
Project No.: LP23076
Date: 4/24/2023
Lab. No.: N/A

Soil Description: Gray-Brown Silty Sand
Sample Location: B-1 @ 0-3 ft.
Test Method: ASTM D-1557 A
Maximum Dry Density (pcf): **133.0**
Optimum Moisture Content (%): **7.8**



LANDMARK
Geo-Engineers and Geologists

Project No.: LP23076

Moisture Density Relationship

Plate C-4

LANDMARK CONSULTANTS, INC.

CLIENT: AV 3PL Center, LLC
PROJECT: Apple Valley Site 2 - Apple Valley, CA
JOB No.: LP23076
DATE: 04/24/23

CHEMICAL ANALYSIS

Boring:	B-1	**Caltrans**
Sample Depth, ft:	0-3	**Method**
pH:	7.6	**643**
Electrical Conductivity (mmhos):	--	**424**
Resistivity (ohm-cm):	3,400	**643**
Chloride (Cl), ppm:	80	**422**
Sulfate (SO4), ppm:	10	**417**

General Guidelines for Soil Corrosivity

Material Affected	Chemical Agent	Amount in Soil (ppm)	Degree of Corrosivity
Concrete	Soluble Sulfates	0 - 1,000	Low
		1,000 - 2,000	Moderate
		2,000 - 20,000	Severe
		> 20,000	Very Severe
Normal Grade Steel	Soluble Chlorides	0 - 200	Low
		200 - 700	Moderate
		700 - 1,500	Severe
		> 1,500	Very Severe
Normal Grade Steel	Resistivity	1 - 1,000	Very Severe
		1,000 - 2,000	Severe
		2,000 - 10,000	Moderate
		> 10,000	Low

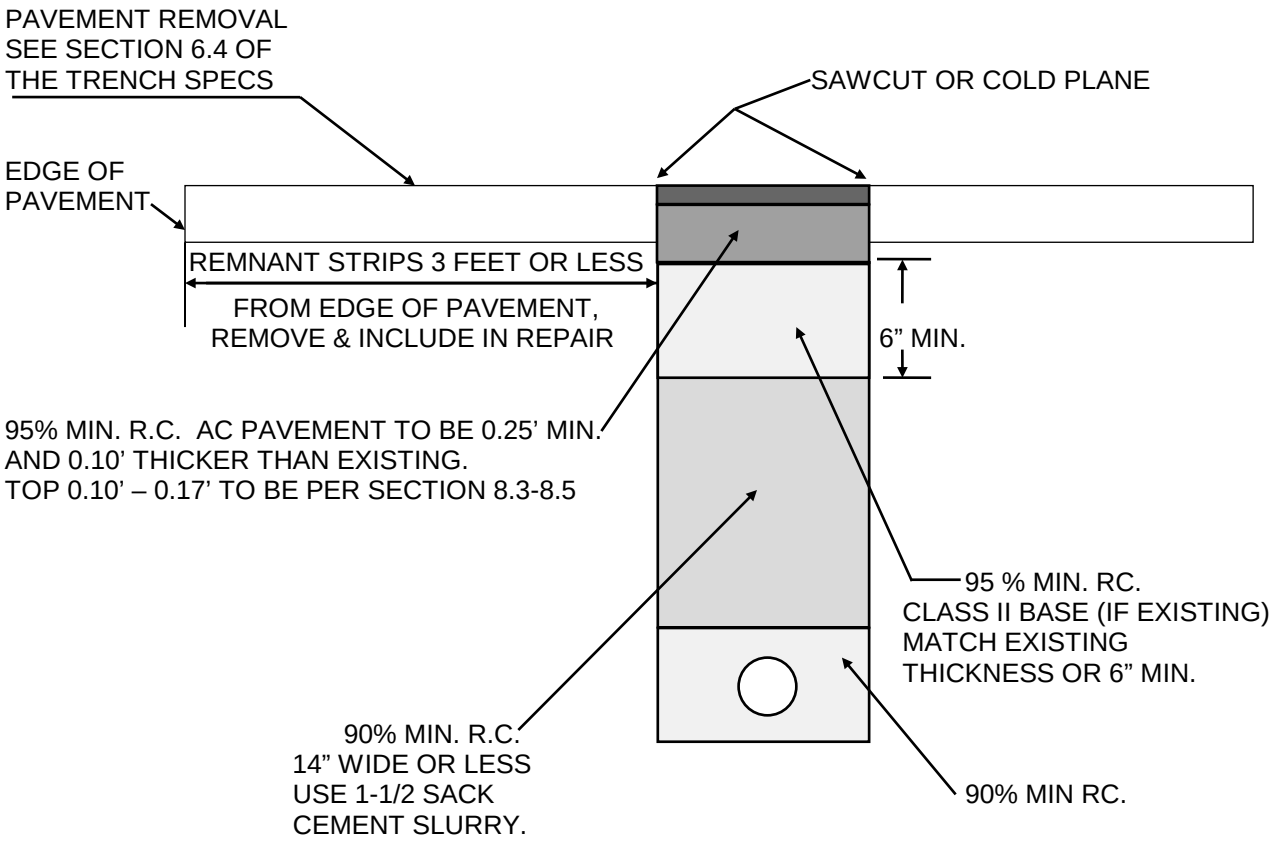
LANDMARK
Geo-Engineers and Geologists

Project No.: LP23076

Selected Chemical Test Results

Plate C-5

APPENDIX D



NOTES :

1. ALL EXCAVATIONS WITHIN COUNTY RIGHT-OF-WAY SHALL REQUIRE AN EXCAVATION PERMIT FROM THE ROAD PERMIT SECTION.

2. ROAD PERMITS ARE NOT VALID WITHOUT FULL COMPLIANCE WITH REQUIREMENTS OF UNDERGROUND SERVICE ALERT REQUIREMENTS.

3. ALL EXCAVATIONS SHALL BE CONSTRUCTED AS PRESCRIBED BY CAL-OSHA.

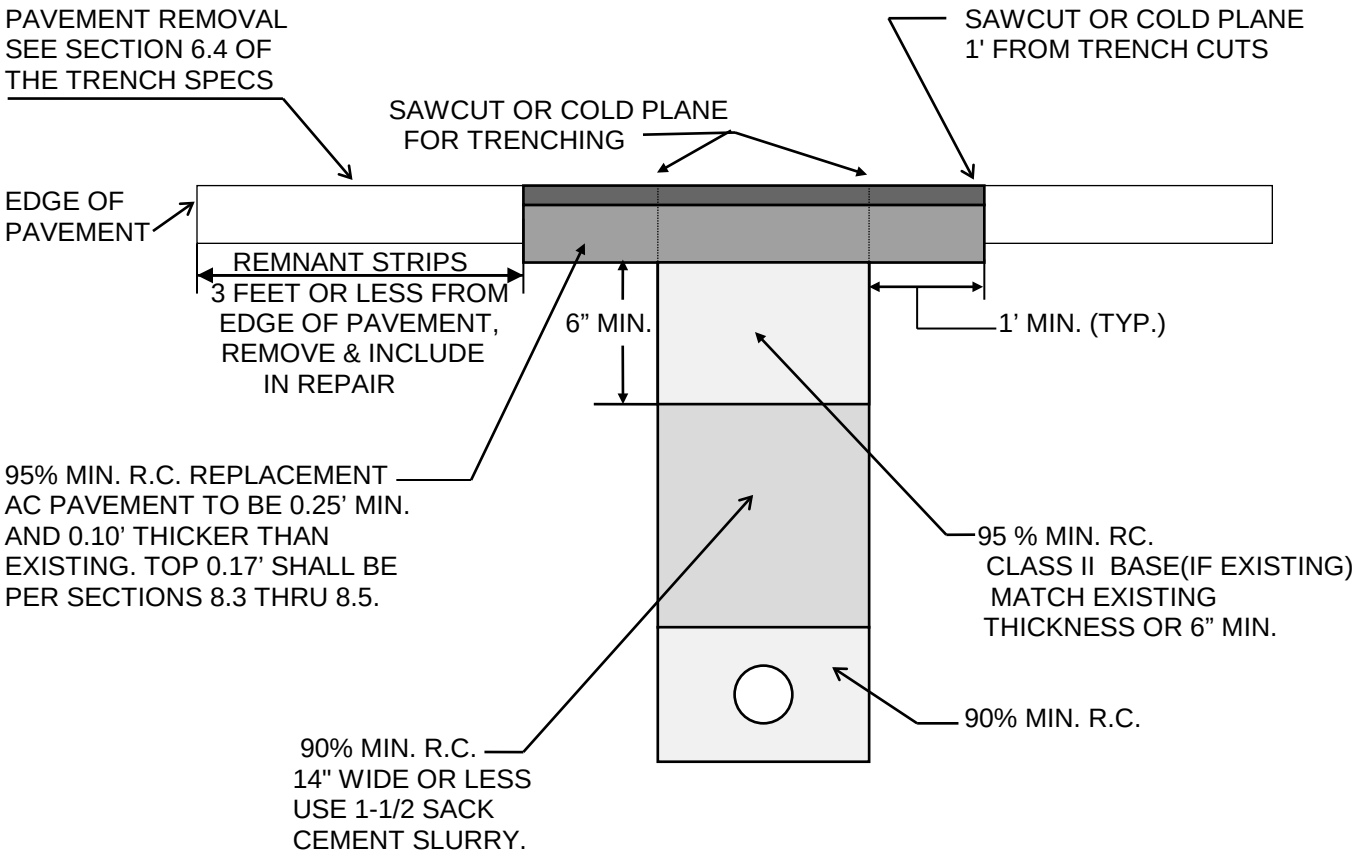
4. TEMPORARY PAVING SHALL BE MINIMUM 0.17 FEET THICK COMPACTED, SMOOTH AND FLUSH, AND SHALL BE PLACED IN ALL AREAS WHERE PAVING WAS REMOVED, PRIOR TO OPENING TO TRAFFIC AND AT THE END OF EACH DAY (SEE SECTION 8.1).

5. COMPACTION TEST ON BACKFILL IN THE 90% RC ZONE SHALL BE AT VARYING DEPTHS ON 250' INTERVALS AND SUBMITTED TO THE INSPECTOR PRIOR TO PERMANENT PAVING. CLASS II AGGREGATE BASE AND THE GRADING PLANE SHALL BE 95% RC ON 500' INTERVALS.

6. NOTIFY PERMIT INSPECTOR TWO WORKING DAYS PRIOR TO STARTING A PROJECT AND FOR EACH PHASE OF CONSTRUCTION.

7. OVERLAY IS REQUIRED AND SHALL BE PER SECTION 8.5 AND 8.6 OF THE GENERAL PERMIT AND TRENCH SPECIFICATIONS.

TRENCH CUT BUTT-JOINT DETAIL



NOTES :

1. ALL EXCAVATIONS WITHIN COUNTY RIGHT-OF-WAY SHALL REQUIRE AN EXCAVATION PERMIT FROM THE ROAD PERMIT SECTION.

2. ROAD PERMITS ARE NOT VALID WITHOUT FULL COMPLIANCE OF UNDERGROUND SERVICE ALERT REQUIREMENTS.

3. ALL EXCAVATIONS SHALL BE CONSTRUCTED AS PRESCRIBED BY CAL-OSHA.

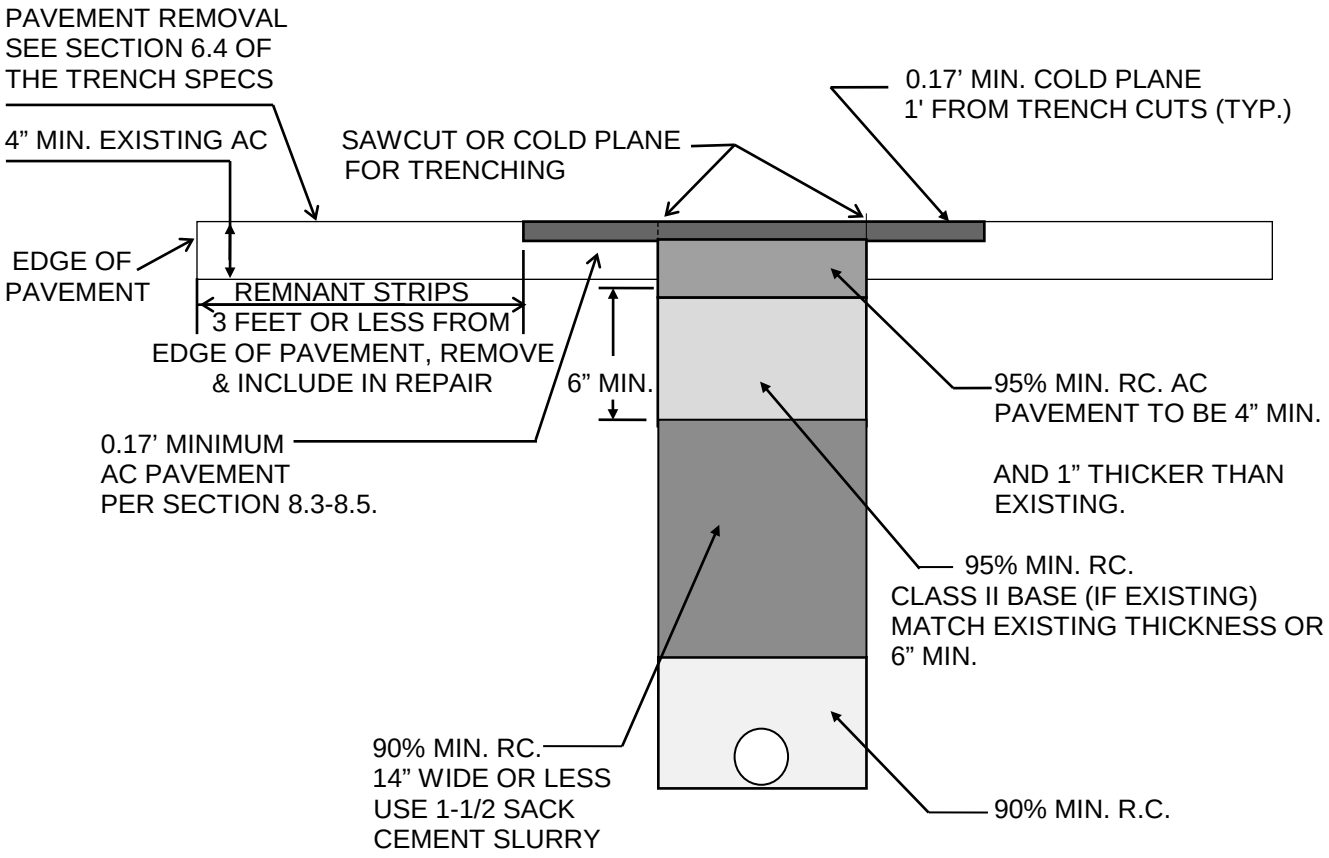
4. TEMPORARY PAVING SHALL BE A MIN. 0.17 FEET THICK, COMPACTED SMOOTH AND FLUSH, AND SHALL BE PLACED IN ALL AREAS WHERE PAVING WAS REMOVED, PRIOR TO OPENING TO TRAFFIC AND AT THE END OF EACH DAY (SEE SECTION 8.1)

5. COMPACTION TEST ON BACKFILL IN THE 90% RC ZONE SHALL BE AT VARYING DEPTHS ON 250' INTERVALS AND SUBMITTED TO THE INSPECTOR PRIOR TO PERMANENT PAVING. CLASS II AGGREGATE BASE AND THE GRADING PLANE SHALL BE 95% RC ON 500' INTERVALS.

6. NOTIFY PERMIT INSPECTOR TWO WORKING DAYS PRIOR TO STARTING A PROJECT AND FOR EACH PHASE OF CONSTRUCTION.

7. OVERLAY PAVING SHALL COMPLY WITH SECTION 8.5.

TRENCH CUT T-CUT DETAIL



NOTES :

1. ALL EXCAVATIONS WITHIN COUNTY RIGHT-OF-WAY SHALL REQUIRE AN EXCAVATION PERMIT FROM THE ROAD PERMIT SECTION.

2. ROAD PERMITS ARE NOT VALID WITHOUT FULL COMPLIANCE OF UNDERGROUND SERVICE ALERT REQUIREMENTS.

3. ALL EXCAVATIONS SHALL BE CONSTRUCTED AS PRESCRIBED BY CAL-OSHA.

4. TEMPORARY PAVING SHALL BE 0.17' THICK, COMPACTED SMOOTH AND FLUSH, AND SHALL BE PLACED IN ALL AREAS PAVING WAS REMOVED PRIOR TO OPENING TO TRAFFIC AND AT THE END OF EACH DAY (SEE SECTION 8.1).

5. COMPACTION TESTS IN THE 90% RC PIPE ZONE SHALL BE ON 250' INTERVALS AND RESULTS SHALL BE SUBMITTED TO THE INSPECTOR PRIOR TO PERMANENT PAVING.

6. NOTIFY PERMIT INSPECTOR TWO WORKING DAYS PRIOR TO STARTING A PROJECT AND FOR EACH PHASE OF CONSTRUCTION.

7. OVERLAY PAVING SHALL COMPLY WITH SECTION 8.5 8.6.

TRENCH CUT T-GRIND TRENCH DETAIL

APPENDIX E

LANDMARK CONSULTANTS, INC

Project:	APN 0463-491-09	Project No:	LP23076	Date:	4/19/2023
Test Hole No:	P-1	Tested By:	Alex A		
Depth of Test Hole, D_T:	60"	USCS Soil Classification:	SM		
Test Hole Dimensions (inches)			Length	Width	
Diameter (if round)=	8"	Sides (if rectangular)=			

Sandy Soil Criteria Test*

Trial No.	Start Time	Stop Time	Time Interval, (min.)	Initial Depth to Water (in.)	Final Depth to Water (in.)	Change in Water Level (in.)	Greater than or Equal to 6"? (y/n)
1	7:50	8:15	25.00	16.00	31.00	15.00	Yes
2	8:15	8:40	25.00	31.00	43.00	12.00	Yes

*If two consecutive measurements show that six inches of water seeps away in less than 25 minutes, the test shall be run for an additional hour with measurements taken every 10 minutes. Other wise, pre-soak (fill) overnight. Obtain at least twelve measurements per hole over at least six hours (approximately 30 minute intervals) with a precision of at least 0.25".

Trial No.	Start Time	Stop Time	Δt Time Interval (min.)	D_o Initial Depth to Water (in.)	D_f Final Depth to Water (in.)	ΔD Change in Water Level (in.)	Percolation Rate (min./in.)
1	8:41	8:51	10.00	22.00	28.00	6.00	1.67
2	8:51	9:01	10.00	28.00	34.00	6.00	1.67
3	9:01	9:11	10.00	34.00	40.00	6.00	1.67
4	9:11	9:21	10.00	18.00	24.00	6.00	1.67
5	9:21	9:31	10.00	24.00	30.00	6.00	1.67
6	9:31	9:41	10.00	30.00	36.00	6.00	1.67
7							
8							
9							
10							
11							
12							

COMMENTS:

PERCOLATION RATE CONVERSION

CLIENT: AV 3PL Center LLC
PROJECT: APN 0463-491-09-0000
PROJECT NO.: LP23076
DATE: 4/21/2023

TEST HOLE NO: P-1

Time interval, **Δt** = 10 inches
Initial Depth to Water, D_0 = 30 inches
Final Depth to Water, D_f = 36 inches
Total Depth of Test Hole, D_T = 60 inches
[2]Test Hole Radius, **r** = 4 inches

The conversion equation is used:

$$I_t = \frac{\Delta H\ 60\ r}{\Delta t(r+2H_{avg})}$$

"H_o" is the initial height of water at the selected time interval

$H_o = D_T - D_0$ = 60 - 30 = 30 inches

"H_f" is the final height of water at the selected time interval

$H_f = D_T - D_0$ = 60 - 36 = 24 inches

"ΔH" is the change in height over the time interval

$\Delta H = \Delta D = H_o - H_f$ = 30 - 24 = 6 inches

"H_{avg}" is the average head height over the time interval

$H_{avg} = (H_o - H_f)/2$ = (30+24)/2 = 27 inches

"I_t" is the tested infiltration rate

$$I_t = \frac{\Delta H\ 60\ r}{\Delta t\ (r+2H_{avg})} = \frac{(6\text{ in})(60\text{min/hr})(4\text{in})}{(10\text{ min})((4\text{ in}) + 2\ (27\text{ in}))} = 2.48\text{ in/hr}$$

LANDMARK Geo-Engineers and Geologists Project No.: LP23076	Percolation Rate Conversion	Plate E-2

LANDMARK CONSULTANTS, INC

Project:	APN 0463-491-09	Project No:	LP23076	Date:	4/19/2023
Test Hole No:	P-2	Tested By:	Alex A		
Depth of Test Hole, D_T:	60"	USCS Soil Classification:	SM		
Test Hole Dimensions (inches)			Length	Width	
Diameter (if round)=	8"	Sides (if rectangular)=			

Sandy Soil Criteria Test*

Trial No.	Start Time	Stop Time	Time Interval, (min.)	Initial Depth to Water (in.)	Final Depth to Water (in.)	Change in Water Level (in.)	Greater than or Equal to 6"? (y/n)
1	7:51	8:16	25.00	16.00	30.00	14.00	Yes
2	8:16	8:41	25.00	30.00	44.00	14.00	Yes

*If two consecutive measurements show that six inches of water seeps away in less than 25 minutes, the test shall be run for an additional hour with measurements taken every 10 minutes. Other wise, pre-soak (fill) overnight. Obtain at least twelve measurements per hole over at least six hours (approximately 30 minute intervals) with a precision of at least 0.25".

Trial No.	Start Time	Stop Time	Δt Time Interval (min.)	D_o Initial Depth to Water (in.)	D_f Final Depth to Water (in.)	ΔD Change in Water Level (in.)	Percolation Rate (min./in.)
1	8:41	8:51	10.00	11.00	21.00	10.00	1.00
2	8:51	9:01	10.00	21.00	29.00	8.00	1.25
3	9:01	9:11	10.00	29.00	35.00	6.00	1.67
4	9:11	9:21	10.00	20.00	26.00	6.00	1.67
5	9:21	9:31	10.00	26.00	31.00	5.00	2.00
6	9:31	9:41	10.00	31.00	36.00	5.00	2.00
7							
8							
9							
10							
11							
12							

COMMENTS:

PERCOLATION RATE CONVERSION

CLIENT: AV 3PL Center LLC
PROJECT: APN 0463-491-09-0000
PROJECT NO.: LP23076
DATE: 4/21/2023

TEST HOLE NO: P-2

Time interval, **Δt** = 10 inches
Initial Depth to Water, D_0 = 31 inches
Final Depth to Water, D_f = 36 inches
Total Depth of Test Hole, D_T = 60 inches
²Test Hole Radius, **r** = 4 inches

The conversion equation is used:

$$I_t = \frac{\Delta H\ 60\ r}{\Delta t(r+2H_{avg}}$$

"H_o" is the initial height of water at the selected time interval

$H_o = D_T - D_0$ = 60 - 31 = 29 inches

"H_f" is the final height of water at the selected time interval

$H_f = D_T - D_0$ = 60 - 36 = 24 inches

"ΔH" is the change in height over the time interval

$\Delta H = \Delta D = H_o - H_f$ = 29 - 24 = 5 inches

"H_{avg}" is the average head height over the time interval

$H_{avg} = (H_o - H_f)/2$ = (29+24)/2 = 26.5 inches

"I_t" is the tested infiltration rate

$$I_t = \frac{\Delta H\ 60\ r}{\Delta t\ (r+2H_{avg})} = \frac{(5\text{ in})(60\text{min/hr})(4\text{in})}{(10\text{ min})((4\text{ in}) + 2\ (26.5\text{ in}))} = 2.11\text{ in/hr}$$

LANDMARK Geo-Engineers and Geologists Project No.: LP23076	Percolation Rate Conversion	Plate E-4

Phase I Environmental Site Assessment
SAPP AND CAMPBELL PROPERTIES
Apple Valley, California

23 September 2021
Project No. 21-6588

PREPARED FOR:

Ms. Lexie Gill
BHT PROPERTIES GROUP

PREPARED BY:

AdvancedGeo
An Employee-Owned Company

Environmental • Compliance • Industrial Hygiene • Geotechnical
Phone: 800-511-9300
Fax: 888-445-8786
www.advancedgeo.biz

"Working in Partnership with People, Business and the Environment"

Phase I Environmental Site Assessment
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"Working in Partnership with People, Business and the Environment"

PREPARED BY:

Joseph J Hernandez
Staff Geologist

REVIEWED BY:

PROFESSIONAL GEOLOGIST ROBERT D. LOEFFLER No. 6709 STATE OF CALIFORNIA

Robert D. Loeffler
Senior Geologist/Vice President
California Professional Geologist No. 6709
Registered Environmental Property Assessor No. 136161

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Appendix B - Historical Documents
Appendix C - Regulatory Records Documentation (with EDR Database Searches)
Appendix D - Interview Documentation
Appendix E - Miscellaneous Documents
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EXECUTIVE SUMMARY

AdvancedGeo, Inc. (AGI) conducted this Phase I Environmental Site Assessment of the Sapp and Campbell Properties, known as assessor parcels numbers 0463-101-21-0000, -22-0000, 0463-201-43-0000 and -44-0000 and 0463-491-09-0000, Apple Valley, San Bernardino County, California (subject property or property) in conformance with the scope and limitations of ASTM Standard Practice E1527-13, the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries 'AAI' (40 CFR Part 312).

PROPERTY USE

The subject property is located within a sparsely developed rural desert area of Apple Valley, San Bernardino County, California. The subject property consists of two clusters of parcels. The northern parcels are located north of the northeast corner of Central Road and Quarry Road. The southern parcels are located on both sides of the Central Road, north of Johnson Road. The subject property parcels are all vacant, desert land.

Based on a review of historical documents, the northern parcels have been predominantly undeveloped desert land since at least 1932. A small homestead was present at the northern property line but had been demolished by the late 1960s. At least two exploratory mine shafts have been present since at least 1953. The southern parcels have been predominantly undeveloped desert land. At least two homesteads had been present on the southern parcels between the 1930s and late 1970s/early 1980s.

FINDINGS

Based on the standards set by ASTM Standard Practice E1527-13, a recognized environmental condition (REC) is the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. Conditions that are determined to be *de minimis*, which do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies, are not recognized environmental conditions. Conditions that are considered Business Environmental Risk include the presence of asbestos-containing materials, lead-based paint, mold or moisture conditions, or non-hazardous regulated materials.

The standard further identifies historical RECs and controlled RECs. An historical REC (HREC) is a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. A controlled REC (CREC) is a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

The following findings are differentiated below as Business Environmental Risks and *de minimis* conditions unlikely to be subject to government enforcement, HRECs, CRECs and RECs.

BUSINESS ENVIRONMENTAL RISKS

This assessment has revealed no evidence of Business Environmental Risks in connection with the subject property except for the following:

- AGI observed two exploratory mines shafts/adits located on the west side of the northern parcels. The shafts should be backfilled under the California State Lands Commission (CSLC) requirements. Typically for shallow shafts with no horizontal workings, the tailings removed from the shafts are used to backfill the shafts. Any CSLC and Apple Valley requirements related to the filling of the shafts should be adhered to.

DE MINIMIS CONDITIONS

This assessment revealed no evidence of potential or *de minimis* conditions in connection with the subject property.

HISTORICAL RECOGNIZED ENVIRONMENTAL CONDITION

This assessment has revealed no evidence of HRECs in connection with the subject property.

CONTROLLED RECOGNIZED ENVIRONMENTAL CONDITION

This assessment has revealed no evidence of CRECs in connection with the subject property.

RECOGNIZED ENVIRONMENTAL CONDITIONS

This assessment has revealed no evidence of RECs in connection with the subject property.

OTHER POTENTIAL ENVIRONMENTAL ISSUES

This assessment has revealed no evidence of other potential environmental issues in connection with the subject property.

CONCLUSIONS AND OPINION

AdvancedGeo, Inc. (AGI) has performed a *Phase I Environmental Site Assessment* in conformance with the scope and limitations of ASTM Practice E1527-13, US-EPA AAI for the Sapp and Campbell Properties, known as assessor parcels numbers 0463-101-21-0000, -22-0000, 0463-201-43-0000 and -44-0000 and 0463-491-09-0000, Apple Valley, San Bernardino County, California. It is the opinion of the environmental professionals that the findings and conclusions presented in this report are reasonable and prudent, given the evidence as presented. AGI did not identify any REC's on the subject property during the course of the Phase I. AGI has no recommendations for additional investigations at the subject property at this time.

1.0. INTRODUCTION

AdvancedGeo, Inc. (AGI) has been retained by BHT Properties Group to perform a Phase I Environmental Site Assessment (Phase I) of the Sapp and Campbell Properties, known as assessor parcels numbers 0463-101-21-0000, -22-0000, 0463-201-43-0000 and -44-0000 and 0463-491-09-0000, Apple Valley, San Bernardino County, California (hereafter referred to as subject property or property). The Phase I was performed in conformance with the scope and limitations of ASTM Standard Practice E1527-13, the Environmental Protection Agency Standards and Practices for 'All Appropriate Inquiries (AAI)' (40 CFR Part 312). The Phase I is designed to provide the Client (user) with an assessment concerning environmental conditions (limited to those issues identified in the report) as they exist at the subject property.

1.1. PURPOSE

The purpose of the Phase I is to identify and assess environmental characteristics of the subject property that could lead to liability in the event of ownership, that could have a potential impact on property value or that could impact the present or future use of the subject property.

The purpose of ASTM Standard Practice E1527-13 and USEPA AAI is to define good commercial and customary practice for conducting an environmental site assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) and petroleum products. As such, this practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability: that is, the practice that constitutes all appropriate inquiries into the previous ownership and uses of the property consistent with good commercial and customary practice as defined at 42 U.S.C. §9601(35)(B). An evaluation of business environmental risk associated with a parcel of commercial real estate may necessitate investigation beyond that identified in this practice (based on ASTM Practice E1527-13).

The goal of ASTM Standard Practice E1527-13 is to identify recognized environmental conditions (RECs) in connection with the subject property. A REC is defined as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. Conditions that are determined to be de minimis, which do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies, are not recognized environmental conditions.

The standard further identifies historical RECs and controlled RECs. An historical REC (HREC) is a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls. A controlled REC (CREC) is a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls.

1.2. SITE DESCRIPTION

The subject property is located within a sparsely developed rural desert area of Apple Valley, San Bernardino County, California. The subject property consists of two clusters of parcels. The northern parcels are located north of the northeast corner of Central Road and Quarry Road. The southern parcels are located on both sides of the Central Road, north of Johnson Road. The subject property parcels are all vacant, desert land. Further property location descriptions, characteristics, improvements and site vicinity characteristics are discussed below.

1.2.1. Location and Legal Description

The subject property location can be identified as the following:

Site Address(es)	No addresses.
Assessor's Parcel Number(s) (APN)	1) 0463-101-21-0000 2) 0463-101-22-0000 3) 0463-201-43-0000 4) 0463-201-44-0000 5) 0463-491-09-0000
Property Owner	1) SAPP ROSCOE TRUST 2) SAPP ROSCOE TRUST 3) SAPP ROSCOE TRUST 4) SAPP ROSCOE TRUST 5) CAMPBELL SYLVIA GRIGGS FAM TR 05-30
Land Use Type	All listed as VACANT
Zoning	Area not mapped.
Legal Description	1) S 1/2 NW 1/4 SW 1/4 SEC 11 TP 6N R 3W EX N 275 FT 11.65 AC 2) S 1/2 SW 1/4 SEC 11 TP 6N R 3W EX S 100 FT 73.94 AC 3) 0S 1/2 W 1/2 SW 1/4 SEC 14 TP 6N R 3W 40 AC 4) 1/2 W 1/2 SW 1/4 SEC 14 TP 6N R 3W 40 AC 5) NE 50 AC SQUARE IN SE 1/4 SEC 15 TP 6N R 3W EX S 1/2 NE 1/4 SE 1/4 SD SEC 30 AC
Size of Property	1) 11.650 2) 73.940 3) 40.000 4) 40.000 5) 30.000

The parcel map and owner information were obtained from the County Assessor's Office or independent parcel search company. Copies of the parcel map and the owner information are provided in Appendix B.

1.2.2. Site and Vicinity General Characteristics

The subject property is located within a sparsely developed rural desert area of Apple Valley, San Bernardino County, California. Figure 1 shows the setting of the subject property (7.5 Minute United States Geological Survey [USGS] Topographic Series, Apple Valley North Quadrangle, California). Photographs of the subject property are provided in Appendix A.

1.2.3. Current Use of Property

The subject property parcels are all vacant, desert land.

1.2.4. Proposed Use of Property

It is AGI's understanding that the property will be developed as an automobile auction facility and parking lots.

1.2.5. Property Utilities

Current and known historic utilities serving the subject property are summarized in the following table:

Potable Water Source	None.
Sanitary Sewer Utility	None.
Storm Drain Utility	None.
Electric Utility	None.
Natural Gas Utility	None.

1.3. DETAILED SCOPE-OF-SERVICES

Except where identified in Section 8.1., the scope of work for this Phase I conforms to ASTM Standard Practice E1527-13 and the USEPA AAI (40 CFR Part 312). Any additional User requested scope of services are discussed in Section 7.0.

1.4. SIGNIFICANT ASSUMPTIONS

Our professional services were performed using that degree of care and skill ordinarily exercised by environmental consultants practicing in this or similar fields. Findings were based mainly upon examination of historical records, maps, aerial photographs and government agency lists, on a site reconnaissance visit, and on information obtained during personal interviews with persons of long term familiarity with the subject property as specified in ASTM E1527-13 and the USEPA AAI. Hazardous waste site lists presented in this report represents only a search of specific government records as listed below. AGI is aware additional government records may exist. It should be noted that government agencies often do not list all sites with environmental contamination or that the list could be inaccurate and/or incomplete.

Groundwater flow and depth to groundwater, unless otherwise specified by on-site well data, or well data from adjacent sites, are assumed based on geologic interpretations from available sources. AGI assumes the property has been correctly and accurately identified by the client, designated representative of the client, property contact, property owner, and property owner’s representatives.

1.5. LIMITATIONS AND EXCEPTIONS

Property conditions, as well as local, state, tribal and federal regulations can change significantly over time. Therefore, the recommendations and conclusions presented as a result of this study apply strictly to the environmental regulations and property conditions existing at the time the study was performed. Available information has been analyzed using currently accepted assessment techniques and it is believed that

the inferences made are reasonably representative of the property. AGI makes no warranty, expressed or implied, except that the services have been performed in accordance with generally accepted environmental property assessment practices applicable at the time and location of the study.

Considerations identified as beyond the scope of an ASTM Phase I that may affect business environmental risks at a property include the following: asbestos-containing materials (ACMs); biological agents; cultural and historic resources; ecological resources; endangered species; health and safety; indoor air quality unrelated to releases of hazardous substances or petroleum products into the environment; industrial hygiene; lead-based paint (LBP); lead in drinking water; mold; radon; regulatory compliance; and wetlands. These environmental issues may warrant assessment based on the type of property or transaction, however, they are considered non-scope issues under ASTM Practice E1527-13. Any addition of non-scope items must be agreed upon between the user and AGI prior to initiation of the Phase I.

The Phase I Environmental Site Assessment is not, and should not be construed as, a warranty or guarantee about the presence or absence of environmental contaminants that may affect the property. Neither is the assessment intended to assure clear title to the property in question. The sole purpose of investigation into property title records is to ascertain a historical basis of prior land use. All findings, conclusions, and recommendations stated in this report are based upon facts, circumstances, and industry-accepted procedures for such services as they existed at the time this report was prepared (i.e., federal, state, and local laws, rules, regulations, market conditions, economic conditions, political climate, and other applicable matters). All findings, conclusions, and recommendations stated in this report are based on the data and information provided, and observations and conditions that existed on the date and time of the property visit.

1.6. SPECIAL TERMS AND CONDITIONS

There were no special terms or conditions, agreed upon by the environmental professional, beyond the initial agreed upon scope of work, used in preparation of this report.

1.7. USER RELIANCE

Conclusions and recommendations in this report are based on findings regarding historical use of the site, and on features noted during the site reconnaissance. The absence of any potential gross contamination sources, historic or present, does not necessarily imply that the site is free of any contamination. This report only represents a ‘due diligence’ effort as to the current environmental status of the site. No other warranty, expressed or implied, is made as to the professional recommendations contained in this report.

2.0. USER PROVIDED INFORMATION

According to the ASTM Standard E1527-13 and the USEPA AAI, in order to qualify for one of the Landowner Liability Protections (LLPs) to CERCLA liability offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001, the client (user) must provide to the environmental professional the following information (if available) in relation to the subject property:

Title Records	A review of Title Records was not requested by the user.
Environmental Liens or Activity and Use Limitations	An environmental lien or AUL's (activity and usage limitations) search was not requested by the user.
Specialized Knowledge	AGI was not provided any specialized knowledge by the user and does have not any specialized knowledge of this property outside of what is contained in this report. The property ownership and tenants as well as all individuals who were interviewed as part of this investigation, have not reported any specialized knowledge of this property outside of what is contained in this report.
Commonly Known or Reasonably Ascertainable Information	The user provided no commonly known or reasonably ascertainable information available within the local community about the subject property that is material to recognized environmental conditions in connection with the property.
Valuation Reduction for Environmental Issues	No property valuation reduction related to environmental issues or concerns was reported by the user.
Owner, Property Manager, and Occupant Information	No written or verbal communication with the property owner, manager and/or occupant revealed any information which suggested that there are currently or historically any recognized environmental conditions associated with the subject property not noted in this assessment.
Reason for Performing Phase I	Potential property transaction
Other	No modifications to the ASTM E1527-13 standard scope-of-services were requested by the user for special circumstances that might be encountered at the subject property. Any additional user requested scope of services are discussed in Section 7.0.

Failure to provide the above information could result in a determination that 'all appropriate inquiries' are not complete. Additional items should be collected, if available, and provided to AGI.

3.0. RECORDS REVIEW

The purpose of obtaining and reviewing subject property and site vicinity historical, physical setting and regulatory records is to help identify *recognized environmental conditions* in connection with the subject property.

3.1. HISTORICAL USE INFORMATION

The objective of consulting historical sources for a Phase I is to develop a history of previous uses of the property and surrounding area to help identify the likelihood of past uses having led to recognized environmental conditions with respect to the property. All obvious uses shall be identified from the present to the property's first obvious developed use, or back to 1940, whichever is earlier. Review of standard sources at less than five year intervals is not required.

3.1.1. Historical Use Information on Subject Property

Subject property history was researched by reviewing historical Sanborn Fire Insurance Maps (no coverage), aerial photographs, topographic maps, telephone directory information, the Town of Apple Valley Development Services records, and the San Bernardino County Assessor's Office records.

Based on a review of historical documents, the northern parcels have been predominantly undeveloped desert land since at least 1932. A small homestead was present at the northern property line but had been demolished by the late 1960s. At

least two exploratory mine shafts have been present since at least 1953. The southern parcels have been predominantly undeveloped desert land. At least two homesteads had been present on the southern parcels between the 1930s and late 1970s/early 1980s.

In summary, review of the historical documents revealed no features on the subject property of environmental concern. Representative historical records are provided within Appendix B.

3.1.1.1. Sanborn Fire Insurance Maps

Sanborn Fire Insurance maps were developed in the late 1800s and early 1900s for use as an assessment tool for fire insurance rates in urbanized areas but are now utilized as a valuable source of historical and environmental risk information. EDR owns the largest collection of Sanborn Fire Insurance Maps. AGI requested EDR to provide any Sanborn Fire Insurance Maps that might cover the subject property. Sanborn map coverage was not available for the subject property.

3.1.1.2. Aerial Photographs

AGI reviewed aerial photographs of the subject property and surrounding area that were provided by EDR as well reviewed online (Google Earth) for the years 1953, 1969, 1973, 1984, 1995, 2005, 2009, 2012, 2016, 2018 and 2020. The following is a summary of our review of the aerial photographs:

Year(s)	Subject Property	Surrounding Area
1953, 1969, 1973	NORTHERN PARCELS: Predominantly vacant desert land north of Quarry Road. Several dirt road and dry creek beds run through the property. A small homestead building is located on and just beyond the northern boundary of the property but appears to have been demolished by 1969. Mining adits are presents on the west side of the parcel. SOUTHERN PARCELS: A residential building and outbuildings are present in the northwest corner of the western parcel. The area around the residence is devoid of plant growth. In the center of the eastern parcels is a a small homestead residence consisting of two buildings. By 1973, the homestead appears to have been demolished, leaving the foundation. Dirt roads and dry creek beds are present across the property.	NORTHERN PARCELS: Quarry Road is present immediately south of the subject property and Central Road is a small dirt road along the east side of the parcels. Undeveloped desert land is present to the north, south east and west. SOUTHERN PARCELS: A larger residential or office type building and shed are present immediately south of the subject property near the corner of Johnson Road and Central Road. By 1969, the shed had been removed. Undeveloped desert land is present to the north, south, east and west of the parcels.
1984	NORTHERN PARCELS: Unchanged from the previous photos. SOUTHERN PARCELS: The residential building and outbuildings that were in the northwest corner of the western parcel have been demolished. The remainder of the parcels is largely unchanged.	NORTHERN PARCELS: Quarry Road is present immediately south of the subject property and Central Road is a small dirt road along the east side of the parcels. Undeveloped desert land is present to the north, south east and west. SOUTHERN PARCELS: The building immediately south of the subject property near the corner of Johnson Road and Central Road has been demolished, leaving

Year(s)	Subject Property	Surrounding Area
		the foundation. Undeveloped desert land is present to the north, south, east and west of the parcels.
1995	NORTHERN PARCELS: Unchanged from previous photo. SOUTHERN PARCELS: Unchanged from previous photo.	NORHTERN PARCELS: Unchanged from previous photo. SOUTHERN PARCELS: An industrial warehouse, office building and parking lot have been developed immediately east of the eastern parcels, across Central Road. A small homestead has also been developed southeast of the eastern parcels, across Johnson Road.
2005, 2009, 2012, 2016, 2018, 2020	NORTHERN PARCELS: Unchanged from previous photo. SOUTHERN PARCELS: Unchanged from previous photo.	NORHTERN PARCELS: The Apple Valley Speedway has been developed several hundred feet to the north of the parcels. SOUTHERN PARCELS: A second industrial warehouse has been developed immediately east of the eastern parcels, across Central Road.

A review of historical aerial photographs did not reveal any items of environmental concern in connection with the subject property.

3.1.1.3. Historical Topographic Maps

AGI reviewed historical topographic maps of the subject property and surrounding area that were supplied by EDR for the years 1932, 1934, 1957, 1970, 1978, 1993 and 2012. The following is a summary of our review of the topographic maps:

Year(s)	Subject Property	Surrounding Area
1932, 1934	NORTHERN PARCELS: Vacant land with a dirt road depicted running northeasterly through the western portion of the parcels. SOUTHERN PARCELS: A building footprint is mapped near the center of the eastern parcels.	NORTHERN PARCELS: Quarry Road is mapped to the southwest corner of the parcels but does not extend along the southern property boundary. Central Road is unmapped. Sporadic buildings are depicted in the surrounding area. SOUTHERN PARCELS: Johnson Road is depicted running along the southern property boundary. Sporadic buildings are mapped in the surrounding area.
1957	NORTHERN PARCELS: Vacant land with a dirt road depicted running northeasterly through the western portion of the parcels. Mine shafts are depicted on the western portion of the property along the dirt road. SOUTHERN PARCELS: A building footprint is mapped in the northwest corner of the western parcel along with a windmill in the center of the parcel. The building footprint on the eastern portion of the property is no longer mapped.	NORTHERN PARCELS: Quarry Road is mapped along the southern boundary of the property as well as the current railroad tracks. Additional mine shafts (adits) are mapped north of subject property. Central Road is mapped as a dirt road. Sporadic buildings are depicted in the surrounding area. SOUTHERN PARCELS: Johnson Road is depicted running along the southern property boundary and Central Road is mapped through the center of the parcels.

Year(s)	Subject Property	Surrounding Area
		Sporadic buildings are mapped in the surrounding area.
1970, 1978, 1993	NORTHERN PARCELS: Two mine shafts/adits are mapped on the western portion of the property. A dirt road runs east-west through the parcels. SOUTHERN PARCELS: No building are mapped on the property. A dry well is mapped near the center of the eastern parcels.	NORTHERN PARCELS: No change from the previous map other than no buildings are mapped. SOUTHERN PARCELS: New buildings are mapped in the position of the current industrial warehouses to the west of the subject parcels, across Central Road.
2012	The 2012 topographic series only shows roads and contours. No features are mapped.	The 2012 topographic series only shows roads and contours. No features are mapped.

A review of historical topographic maps did not reveal any items of environmental concern in connection with the subject property.

3.1.1.4. Street Directories

AGI requested that EDR provide a review of city and street directories on a to determine the occupancy history of the property. EDR reviewed directories on a 3 to 7 year gap between the years 1964 and 2017. Because there has been no addresses associated with the property, no records were identified for the subject property.

3.1.1.5. Building Department Records

AGI visited the Town of Apple Valley Community Development (AVCD) offices on 13 September 2021. The AVCD indicated that all records have an address. Parcels that have not had assigned addresses do not have records.

3.1.1.6. Assessor's Records

A review of San Bernardino County Assessor’s records is summarized in the following table:

Year(s)	Summary
	PARCELS 0463-101-21-0000 and 0463-101-22-0000
1980 - 1994	SAPP, WALTER P
1994 -1994	SAPP, ROSCOE TRUST
1994 - 1997	SAPP, ROSCOE ESTATE OF ROGERS, EDITH FAMILY TRUST
1997 - Present	SAPP, ROSCOE ESTATE
	PARCEL 0463-201-43-0000 and 0443-201-440-0000
1974 - 1979	SAPP, WALTER P SAPP, ROSCOE SAPP ROSCOE TRUST
1979 - 1994	SAPP, ROSCOE TRUST SAPP, ROSCOE ESTATE OF
1994 - 1997	SAPP, ROSCOE ESTATE OF ROGERS, EDITH MAE FAMILY TRUST
1997 - Present	SAPP, ROSCOE ESTATE
	PARCEL 0463-491-09-0000

Year(s)	Summary
1980 - 1998	GRIGGS, EL RAE M GRIGGS, ULYSSES S SR AND EL R
1998 - 2006	CAMPBELL, SYLVIA G GRIGGS, ULYSSES S JR
2006 - Present	CAMPBELL, SYLVIA GRIGGS FAM TR 05-30-06 GRIGS, ULYSSES S JR

A review of historical assessor's records of the subject property address did not reveal any items of environmental concern.

3.1.1.7. Previous Phase I and II Environmental Site Assessments

No previous Phase I or II Environmental Site Assessments were provided to AGI by the user and/or property owner during the course of this Phase I.

3.1.2. Historical Use Information on Adjoining Properties

Historical uses of immediately adjoining properties are summarized below.

North	NORTHERN PARCELS: Vacant desert land from at least 1932. By 1953, several mine shafts had been explored. By 2005, the Apple Valley Speedway had been developed several hundred feet north of the subject property. SOUTHERN PARCELS: Vacant desert land from at least 1932 to present.
South	NORTHERN PARCELS: Vacant desert land from at least 1932. Quarry Road and the current railroad track was established along the southern property boundary by 1957. SOUTHERN PARCELS: Johnson Road has been present since at least 1932. A large residence or office was present immediately south of the property, on the corner of Central Road and Johnson Road from the early 1950s until at least the mid-1980s. The majority of the land south of the property has been undeveloped desert land.
East	NORTHERN PARCELS: Vacant desert land from at least 1932 to present. SOUTHERN PARCELS: Vacant desert land from at least 1932 to present.
West	NORTHERN PARCELS: Vacant desert land from at least 1932 to present. SOUTHERN PARCELS: Vacant desert land from at least 1932 to present. Two industrial warehouses were established on a plot of land located west of Central Road since 1995.

Historical uses of adjoining properties do not appear to be of environmental concern to the subject property.

3.2. PHYSICAL SETTING

Geology	The subject property is situated within the Mojave Desert Geomorphic Province of California and is a broad interior region of isolated mountain ranges separated by expanses of desert plains. It has an interior of enclosed drainage and many playas. There are two important fault trends that control topography - a prominent NW-SE trend and a secondary east-west trend (apparent alignment with Transvers Ranges is significant). The Mojave province is wedged in a sharp angle between the Garlock Fault (southern boundary Sierra Nevada) and the San Andreas Fault, where it bends east from its northwest trend. The northern boundary of the Mojave is separated from the prominent Basin and Range by the eastern extension of the Garlock Fault.

Hydrology	The subject property and surrounding area lie within the Upper Mojave River Valley Groundwater Basin (6-42). This subbasin is underlies an elongate north-south valley with the Mojave River flowing (occasionally) through the valley from the San Bernardino Mountains on the south, northward into the Middle Mojave River Valley Groundwater Basin at the town of Helendale. The groundwater basin is bounded on the north by a roughly east-west line from basement rock outcrops near Helendale, to those in the Shadow Mountains. The southern boundary is the contact between Quaternary sedimentary deposits and unconsolidated basement rocks of the San Bernardino Mountains. The basin is bounded on the southeast by the Helendale fault and on the east by basement exposures of the mountains surrounding Apple Valley. In the west, the boundary s marked by a surface drainage divide between this basin and El Mirage Valley Basin, and a contact between alluvium and basement rocks that form the Shadow Mountains The USGS webpage titled Mojave Groundwater Resources indicates Well 006N003W15Q001S is located 1/4 mile west of the southern parcels. Groundwater in that well was measured at 78.53 feet below surface grade on 20 August 2021. Groundwater is inferred to flow to the southwest which mimics the topography.
Topography	The northern and southern parcels range in elevation between 3,150 feet and 3,240 feeet above mean sea level (MSL), in an area of low to moderate topographic relief. Regional slope of the area is toward the general southwest.
Surface Soils	EDR provides a report listing dominant soil composition in the general area of the subject property based on information from the United States Department of Agriculture's Soil Conservation Service STATSGO (State Soil Geographic Database) soil maps. Soil surface texture at the subject property consists of soil identified as HELENDALE, a lay in the Class B Hydrogeologic Group which includes moderate infiltration rates. Corrosion potential of this soil for uncoated steel is high.
Surface Water Features	There are no surface water features on the subject property.
Flood Zone	The EDR database report shows that the subject property is not located within either the Special Flood Hazard Zone (1%) or 0.2% Annual Chance Flood Hazard zones. This data, available in select counties across the country, was obtained by EDR from the Federal Emergency Management Agency (FEMA) which has maps depicting FEMA-defined flood zones.
Wetlands	The EDR database report shows that the National Wetlands are present in the south end of the Southern Parcels. This data, available in select counties across the country, was obtained by EDR from the U.S. Fish and Wildlife Service.

3.3. STANDARD ENVIRONMENTAL RECORD SOURCES

A computer search of federal, state and regional regulatory agency databases was performed by Environmental Data Resources Inc. (EDR), a data retrieval company, to identify and locate properties in areas of concern that have been reported as sites known or suspected to contain underground storage tanks, or to have been the scene of hazardous materials spills. Additionally, sites permitted to manufacture, utilize, generate, store, treat or dispose of hazardous materials and/or hazardous wastes are identified and located. A list and description of databases investigated, in compliance with ASTM E1527-13 and USEPA AAI, is included in EDR Report provided in Appendix C.

3.3.1. SUBJECT PROPERTY DATABASE SEARCH

The subject property is is mapped on a governmental databases within the EDR Report. According to the EDR Report, the Northern Parcel Cluster is mapped with a site called Roosevelt which is on the MINES MRDS. According to the listing, mining was reported in this area and is likely related to the quarry/mine exploratory adits on the property. The property was being mined for copper, gold and silver which was found in a vein.

3.3.2. SITE VICINITY DATABASE SEARCH

Sites with recognized environmental conditions surrounding the subject property are typically of concern to the subject property when they are located in an up-gradient direction from the property with respect to the ground water flow direction. Typically, groundwater would represent the migration medium for contaminants over significant distances. Sites located in equi-gradient or down-gradient directions from the subject property are less likely to impact the subject property.

AGI retained EDR to provide current regulatory database information compiled by a variety of federal and state regulatory agencies. A copy of the complete database is included in Appendix C. The following information was obtained:

Regulatory Agency Database	Appropriate Minimum Search Distance (AMSD)	Number of Sites within AMSD
National Priority List	1	0
Proposed National Priority List Sites	1	0
Federal Superfund Liens	1	0
National Priority List Deletions	1	0
Corrective Action Report	1	1
RCRA - Treatment, Storage and Disposal	0.5	0
RCRA - Large Quantity Generators	0.25	0
RCRA - Small Quantity Generators	0.25	1
Engineering Controls Sites List	0.5	0
Emergency Response Notification System	0.001	0
Land Use Control Information System	0.5	0
PCB Activity Database System	0.001	1
Mineral Resources Data System	0.001	1
Superfund Enterprise Management System	0.5	0
Institutional Controls Sites List	0.5	0
Superfund Enterprise Management System Archive	0.5	0
Federal Facility Site Information listing	0.5	0
RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)	0.25	0
Underground Storage Tank Listing	0.25	0
Solid Waste Information System	0.5	0
Leaking Underground Fuel Tank Report (GEOTRACKER)	0.5	0
Active UST Facilities	0.25	0
Aboveground Petroleum Storage Tank Facilities	0.25	0
Voluntary Cleanup Program Properties	0.5	0
Considered Brownfieds Sites Listing	0.5	0
Environmental Case Listing	0.5	0
EnviroStor Database	1	1
California Integrated Water Quality System	0.001	1
California Hazardous Material Incident Report System	0.001	1
NPDES Permits Listing	0.001	1
HIST LUST - Fuel Leak Site Activity Report	0.5	0
Contaminated Sites	0.5	0
EnviroStor Permitted Facilities Listing	1	1
State Response Sites	1	0
Toxic Site Clean-Up List	0.5	0
Hazardous Material Permits	0.25	2
Statewide SLIC Cases (GEOTRACKER)	0.5	0
Leaking Underground Storage Tanks on Indian Land	0.5	0
Underground Storage Tanks on Indian Land	0.25	0
Voluntary Cleanup Priority Listing	0.5	0

AGI's review of the referenced databases also considered the potential or likelihood of contamination from adjoining and nearby sites. To evaluate which of the adjoining and nearby sites identified in the regulatory database report present an environmental risk to the subject property, AGI considered the following:

- The type of database on which the site is identified;
- The topographic position of the identified site relative to the subject property;
- The direction and distance of the identified site from the subject property;
- Local soil conditions in the subject property area;
- The known or inferred groundwater flow direction in the subject property area;
- The status of the respective regulatory agency-required investigation(s) of the identified site (if any); and
- Surface and subsurface obstructions and diversions (e.g., buildings, roads, sewer systems, utility service lines, rivers, lakes and ditches located between the identified site and the subject property.

Only those sites that are judged to present a potential environmental risk to the subject property and/or warrant additional clarification are further evaluated. Using the referenced criteria and based on a review of readily available information contained within the regulatory database report, AGI did not identify adjacent or nearby sites (e.g. within ¼-mile radius) listed on the regulatory database report that were judged to present a potential environmental risk to the subject property with the exception of the following:

Site	Distance & Direction	Database(s) & Summary	Environmental Concern
CEMEX Construction Materials Pacific LLC/SW Portland Cement Co. 25220 Black Mountain Quarry Road	Mapped immediately south of the northern parcel cluster	ENVIROSTOR, CHMIRS, HWP, NPDES, San Bern. Co. Permit, CIWQS, CORRACTS, PADS - CEMEX is a generator of used oil, oil filters and lubricants and is not a disposal facility. The site is being administratively closed by the DTSC for never being a regulated TSDF.	No indication. This site is mapped immediately south of the subject property, however, the mapped location is the guarded entrance gate to the facility. The facility is actually located 2.4 miles to the east.
Heavy Lift Helicopter/Aviation International Rotors Inc. 19378 Central Road	84 feet southwest of the southern parcel cluster	RCRA-SQG, HAZNET, HWTS, CHMIRS and San Bern. Co. Permit - Small quantity generator of hazardous waste, including cadmium, chromium, lead, benzene, MEK, and spent non-halogenated solvents. The site did have a spill of 170 gallons of non-PCB mineral oil from a vandalized transformer onto the soil in 2015. An outside contractor cleaned up the release.	No indication - No evidence of a release from this site that could impact the subject property.

3.4. ADDITIONAL ENVIRONMENTAL AGENCY RECORD SOURCES

In addition to the EDR computer search of federal, state and regional regulatory agency databases, AGI contacted appropriate regulatory agencies to review records regarding the property and surrounding sites identified as having recognized environmental conditions that have the potential to impact the subject property based

on ground water flow direction, distance from the subject property and nature of the releases causing the environmental condition.

Additional agency searches include the following:

- The San Bernardino County Fire Department - Hazardous Materials Division (SBCFD-HMD) and the Lahontan Region of the Regional Water Quality Control Board (Regional Board) maintain records of industrial violations for this area and are the lead agencies for the enforcement of the State Underground Storage Tank and Hazardous Waste Laws for San Bernardino County. AGI requested to review any files that were available.

- The Regional Board also maintains and online computer database, GeoTracker, that provides listings of closed and active sites related to unauthorized releases of hydrocarbons as well as solvents, metals, and other materials. For listed sites, online reports are commonly available. AGI reviewed the GeoTracker database for information that may be available for the subject property or surrounding sites.

- The California Department of Toxic Substances Control (DTSC) is the State of California agency responsible for oversight of hazardous waste regulations, cleanup of existing contamination, pollution prevention and reduction in hazardous waste and toxic materials and identification of potential new pollutants. The DTSC maintains the EnviroStor Data Management System (ENVIROSTOR) which allows for the search for information on investigation, cleanup, permitting and/or corrective actions that are planned, being conducted or have been completed under DTSC oversight. AGI reviewed the ENVIROSTOR database for any information that may be available.

- The United States Environmental Protection Agency (USEPA) provides an online computer database, ENVIROFACTS, providing lists of sites listed on multiple USEPA databases. AGI reviewed the ENVIROFACTS database for any information that may be available.

- The Geologic Energy Management Division's (CalGEM) online mapping application presents California's oil and gas industry information from the geographic perspective. AGI reviewed the CalGEM Well Finder database for information that may be available for the subject property or surrounding sites.

3.4.1. Additional Subject Property Record Sources

The subject property address was searched on the following record sources:

SOURCE	SUMMARY
Regional Board & GeoTracker database	The Regional Board does not have files for the subject parcels. The property is also not listed on the Geotracker database.
DTSC & ENVIROSTOR database	The DTSC does not have files for the subject parcels. The property is also not listed on the ENVIROSTOR database.
USEPA ENVIROFACTS	The property is not listed on the ENVIROFACTs database.
SBCFD-HMD	The SBCFD-HMD does not have records for the subject property.
CalGEM	According to the CalGEM Well Finder website, no oil and/or gas wells are located in the vicinity of the subject property.

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3.4.2. Additional Site Vicinity Record Sources

The SBCFD-HMD, DTSC and Regional Board maintain records for, and are responsible for, enforcement of state UST and hazardous waste laws. AGI commonly reviews files for up-gradient sites under active environmental regulation to ascertain the current site status and its potential to impact the subject property. No sites, under active or past environmental regulation, were identified by the database search within the required search radius of potential concern to the property.

3.5. PROVIDED SUBJECT PROPERTY RECORDS

No records were provided to AGI by the user and/or property owner during the course of this Phase I.

3.6. VOLATILE ORGANIC COMPOUND VAPOR ENCROACHMENT

The encroachment of hydrocarbon and volatile organic compound (VOC) vapors into soil pore space occurs when organic chemicals migrate from contaminated groundwater or soil into the airspace between soil particles. Some typical organics involved are petroleum based or chlorinated solvents (e.g, BTEX and dry cleaning chemicals). They may have leaked into the groundwater and/or soil from underground storage tanks, or buried waste, or from disposal in septic systems. ASTM Standard E2600-15 (Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions) defines the term "Vapor Encroachment Condition (VEC)" as the presence or likely presence of "chemical of concern" vapors in the subsurface of the Target Property caused by the release of vapors from contaminated soil or groundwater or both either on or near the Target Property as identified by the Tier 1or Tier 2 procedures.

In compliance with ASTM Standard E2600-15 AGI evaluated the potential for a VEC at the subject property. Based on a VEC screening, it was determined that ‘a VEC does not exist’ at the property. A copy of the AGI-generated Tier 1 VEC screening form is provided within Appendix E.

4.0. SITE RECONNAISSANCE

A subject property site reconnaissance was conducted by an AGI representative on 13 September 2021. At the time of the site visit the weather was clear and warm. Primary features of the property are shown in a site plan provided in Figure 2. Photographs of selected features of the subject site are included in Appendix A.

4.1. METHODOLOGY AND LIMITING CONDITIONS

The property was fully accessible during the site reconnaissance. No limiting conditions were noted.

4.2. GENERAL SITE SETTING

The following is a description of the primary features of the subject property observed at the time of the site visit:

The subject property consists of a cluster of two parcels and a cluster of three parcels, located approximately 0.5 miles away from one another along Central Road in Apple Valley, California.

Northern Parcels - APNs 0463-101-21-0000 and 0463-101-22-0000

This portion of the subject property consists of two parcels, totaling 85.59 acres on the northeast corner of Central Road and Quarry Road. The parcels are vacant desert land with several dirt road and dry creek beds. A small amount of trash was dumped on the north side of Parcel -22-0000 along a north-south trending dirt road. On the west side of Parcel -22-0000, two mine exploratory adits and tailings piles are present.

Southern Parcels - 0463-201-43-0000, 0463-201-44-0000 and 0463-491-09-0000

This portion of the subject property consists of three parcels, totaling 110 acres on the west and east sides of Central Road, north of Johnson Road. The parcels are vacant desert land with several roads through the parcels. Powerlines are present along the eastern boundary of the parcels and also runs east-west through the eastern parcels. The southeastern most parcel contains two former building/structure foundations in the southwest corner of the parcel as well as near the northern boundary of the parcel. Parcel -09-0000, located on the west side of Central Road, had areas of trash dumped near the northern parcel boundary.

The following is a description of the property improvements:

Structures	None
Adjoining / Access / Egress Roads	Various dirt roads of Central Road for both parcel clusters.
Surface Types	Dirt and vegetation.
Additional Features	Mine exploratory adits are present on parcel 0463-101-22-0000.
Surface Water	Dry creek beds are present on the property.

At the time of the site reconnaissance, current uses of adjacent properties included the following:

North	NORTHERN PARCELS - Vacant, desert land, followed by Apple Valley Speedway SOURTHERN PARCELS - Vacant, desert land.
South	NORTHERN PARCELS - Gas pipeline easement, railroad easement and CEMEX plant guarded gate along Quarry Road. SOUTHERN PARCELS - Eastern parcels -Johnson Road followed by vacant, desert land. Western parcel - vacant, desert land, followed by two vacant industrial warehouses.
East	NORTHERN PARCELS - Vacant, desert land. SOUTHERN PARCELS - Vacant, desert land.
West	NORTHERN PARCELS - Central Road followed by vacant, desert land. SOUTHERN PARCELS - Vacant, desert land.

Current uses of the adjoining properties do not appear to be of potential environmental concern to the subject property.

4.3. EXTERIOR AND INTERIOR OBSERVATIONS

The following was observed at the time of the property reconnaissance:

OBSERVED	CONDITION OBSERVED ON/AT SUBJECT PROPERTY
No	Pits, ponds or lagoons with respect to waste treatment or disposal
No	Stained soil or pavement, patched pavement
No	Stressed vegetation (from causes other than insufficient water)
No	Fill dirt from unknown source, or contaminated source
No	Solid waste (mounds or depressions suggesting waste disposal)
No	Waste water / storm water discharged into a drain, ditch or stream
No	Wells (abandoned, irrigation, domestic, monitoring or oil and gas)
No	Dry wells
No	Septic systems or cesspools
No	Movement of hazardous materials to adjacent properties
No	Hazardous substances and/or petroleum products
No	Above-ground storage tanks (ASTs) for storage of petroleum products and/or hazardous substances
No	Underground storage tanks (USTs) for storage of petroleum products and/or hazardous substances
No	Strong, pungent or noxious odors
No	Pools of liquid (other than water)
No	55-gallon drum or large sack storage
No	Unidentified substance containers
No	Stains and/or corrosion on floors, walls or ceiling (except water)
No	Drains and sumps
No	Oil-water separator/clarifier
No	Electrical or hydraulic equipment known to contain PCBs
No	Obvious signs of possible ACMs
No	Obvious signs of mold
No	Other areas of environmental concern

5.0. MATERIAL STORAGE

No current or historic containers, storage vessels, and containment systems (e.g., clarifiers, oil/water separators, vaults, frac ponds, tanks, drums, storage lockers, silos) of 55 gallons or more for individual containers, or 100 gallons in aggregate for smaller containers, were observed on the subject property or have been historically utilized on the property.

6.0. INTERVIEWS

Interviews performed during the course of this Phase I are described below.

Interviewee	Interview Summary
Property Owner	Ms. Senserra Lincoln, Administrator of the Estate of Roscoe Sapp was interviewed by J. David Horspool, attorney for the Senserra Lincoln, using an ASTM Questionnaire provided by AGI. The following information was provided: • Roscoe Sapp received the property from his father. Mr. Sapp passed away in 1994. It is unknown how long Mr. Sapp's father owned the property. • The property is vacant desert land. Some week-end mining occurred on one of the parcels, to Ms. Lincoln's knowledge, the parcels were not used for anything else. • The property has never been used for research, military uses, industrial uses, service station, motor repair facility, printing facility, dry cleaners, photo lab, junkyard or landfill.

Interviewee	Interview Summary
	• Ms. Lincoln is unaware of any USTs, ASTs, clarifiers, hazardous materials or other environmental issues relate to the subject property. • No environmental liens, violations, or lawsuits have been filed against the parcels.
Site Manager	See above interview.
Property Occupant(s)	The site is unoccupied.
Local Government Officials	With the exception of file review requests, no local government officials were interviewed during the course of this Phase I.
Others	No additional interviews were performed during the course of this Phase I.

ASTM-compliant interview/questionnaire documentation is provided as Appendix D.

7.0. BUSINESS ENVIRONMENTAL RISKS - NON-ASTM SERVICES

Additional environmental considerations beyond the scope of the standard ASTM practice that have the potential to pose business environmental risks are discussed below.

7.1. MOLD

Molds are part of the natural environment. Outdoors, molds play a part in nature by breaking down dead organic matter such as fallen leaves and dead trees, but indoors, mold growth should be avoided. Molds reproduce by means of tiny spores; the spores are invisible to the naked eye and float through outdoor and indoor air. Mold may begin growing indoors when mold spores land on surfaces that are wet. There are many types of mold, and none of them will grow without water or moisture.

Molds are usually not a problem indoors, unless mold spores land on a wet or damp spot and begin growing. Molds have the potential to cause health problems. Molds produce allergens (substances that can cause allergic reactions), irritants, and in some cases, potentially toxic substances (mycotoxins).

At the time of the property reconnaissance, no obvious signs of mold/microbiological growth, were observed.

7.2. ASBESTOS CONTAINING BUILDING MATERIALS

Asbestos is a mineral fiber that has been used commonly in a variety of building construction materials for insulation and as a fire-retardant. Because of its fiber strength and heat resistant properties, asbestos has been used for a wide range of manufactured goods, mostly in building materials (roofing shingles, ceiling and floor tiles, paper products, and asbestos cement products), friction products (automobile clutch, brake, and transmission parts), heat-resistant fabrics, packaging, gaskets, and coatings.

Prior to the late 1970s, building products and insulation materials commonly contained asbestos. In 1989, the USEPA banned all new uses of asbestos; however, uses developed before 1989 are still allowed. When asbestos-containing materials are damaged or disturbed by repair, remodeling or demolition activities, microscopic fibers become airborne and can be inhaled into the lungs, where they can cause significant health problems.

No structures are present on the subject property.

7.3. LEAD-BASED PAINT

Lead is a toxic metal that was used for many years in products found in and around our homes. Lead-based paint (LBP) was used extensively in buildings constructed before 1950. In 1978, LBP was banned by the federal government. Lead may cause a range of health defects, from behavioral problems and learning disabilities, to seizures and death.

No structures are present on the property.

7.4. RADON

Radon is a naturally occurring, colorless, odorless gas that is soluble in water. It is produced through the radioactive decay of uranium and radium, which is naturally present in soil and in minerals in bedrock. Radon is radioactive, which means that it breaks down or decays to form other elements. Radon concentrations generally differ among different rock types and can vary considerably within the same geologic formation. Radon moves from its source in rocks and soils through voids and fractures. It can enter buildings as a gas through foundation cracks or it can dissolve in ground water and be carried to buildings through the use of water-supply wells. Buildings with basements and concrete slab foundations are more susceptible to elevated levels of indoor radon gas. The inhalation of radon gas can cause damage to lung tissue.

A common unit of radioactivity measurement is picocuries per liter (pCi/L). The USEPA established the recommended safe radon level at 4 pCi/L. According to the USEPA, San Bernardino County, is in a moderate radon potential area (Zone 2), defined as having a ‘predicted average indoor radon screening level between 2 and 4 pCi/L.’

7.5. WETLANDS

As reported in Section 3.2., according to the EDR Report (Appendix C), wetlands are mapped in the southeast parcel of the Southern Parcels Cluster. This data, available in select counties across the country, was obtained by EDR from the U.S. Fish and Wildlife Service.

7.6. REGULATORY COMPLIANCE

AGI searched the subject property address, Central Road, Apple Valley, California, on local, state and federal databases. No records were found regarding any outstanding regulatory permitting or requirements/directives in connection with the property.

7.7 OTHER BUSINESS ENVIRONMENTAL RISK

AGI observed two exploratory mines shafts/adits located on the west side of the northern parcels. The shafts should be backfilled under the California State Lands Commission (CSLC) requirements. Typically for shallow shafts with no horizontal workings, the tailings removed from the shafts are used to backfill the shafts. Any CSLC and Apple Valley requirements related to the filling of the shafts should be adhered to.

8.0. EVALUATION

Any deviations from the ASTM Standard Practice 1527E-13 and USEPA AAI are presented below, along with the findings, conclusions, and opinions identified during the course of this Phase I.

8.1. DATA GAPS AND LIMITATIONS

A data gap occurs when a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to site reconnaissance, and interviews. The following data gaps and/or limitations were identified during the course of this Phase I, which may deviate from the ASTM standard practice:

- The largest data gap in research was 24 years, between 1922 and 1946, with the earliest researched information being a Topographic Map dated in 1915. Data gaps generally do not exceed five years between 1940 through the present, except between 1959 and 1965. AGI does not believe any gaps in the data reviewed have affected the ability to identify potential environmental issues.

- Owner-privileged (non-public) San Bernardino County Assessor's records were not reviewed during the course of this Phase I. The property owner's permission could not be obtained within the time frame of this assessment. AGI does not consider this data gap significant.

8.2. FINDINGS

Based on the standards set by ASTM Practice E1527-13, the following findings are differentiated below as Business Environmental Risk (including the presence of asbestos-containing materials, lead-based paint, mold or moisture conditions, or non-hazardous regulated materials may constitute a Business Environmental Risk), *de minimis* conditions unlikely to be subject to government enforcement, HRECs, CRECs and RECs, as defined in Section 1.1. of this report.

8.2.1. Business Environmental Risk

This assessment has revealed no evidence of potential Business Environmental Risks in connection with the subject property.

8.2.2. De Minimis Conditions

This assessment revealed no evidence of potential or *de minimis* conditions in connection with the subject property.

8.2.3. Historical Recognized Environmental Conditions

This assessment has revealed no evidence of HRECs in connection with the subject property.

8.2.4. Controlled Recognized Environmental Conditions

This assessment has revealed no evidence of CRECs in connection with the subject property.

8.2.5. Recognized Environmental Conditions

This assessment has revealed no evidence of RECs in connection with the subject property.

8.2.6 Other Potential Environmental Issues

This assessment has revealed no evidence of other potential environmental issues in connection with the subject property.

9.0. CONCLUSIONS AND OPINION

AGI has performed a *Phase I Environmental Site Assessment* in conformance with the scope and limitations of ASTM Practice E1527-13, US-EPA AAI for the Sapp and Campbell Properties, known as assessor parcels numbers 0463-101-21-0000, -22-0000, 0463-201-43-0000 and -44-0000 and 0463-491-09-0000, Apple Valley, San Bernardino County, California. Any exceptions to, or deletions from, this practice or scope of work are described in Section 8.1. of this report or presented as non-ASTM services in Section 7.0. It is the opinion of the environmental professionals that the findings and conclusions presented in this report are reasonable and prudent, given the evidence as presented. This assessment has revealed no evidence of RECs in connection with the property. AGI has no recommendations for additional environmental investigations of the subject property.

10.0. SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

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

Robert D. Loeffler
Senior Geologist/Vice President

11.0. QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

Qualifications of the environmental professionals involved in the preparation of this Phase I are included in Appendix F.

12.0. REFERENCES

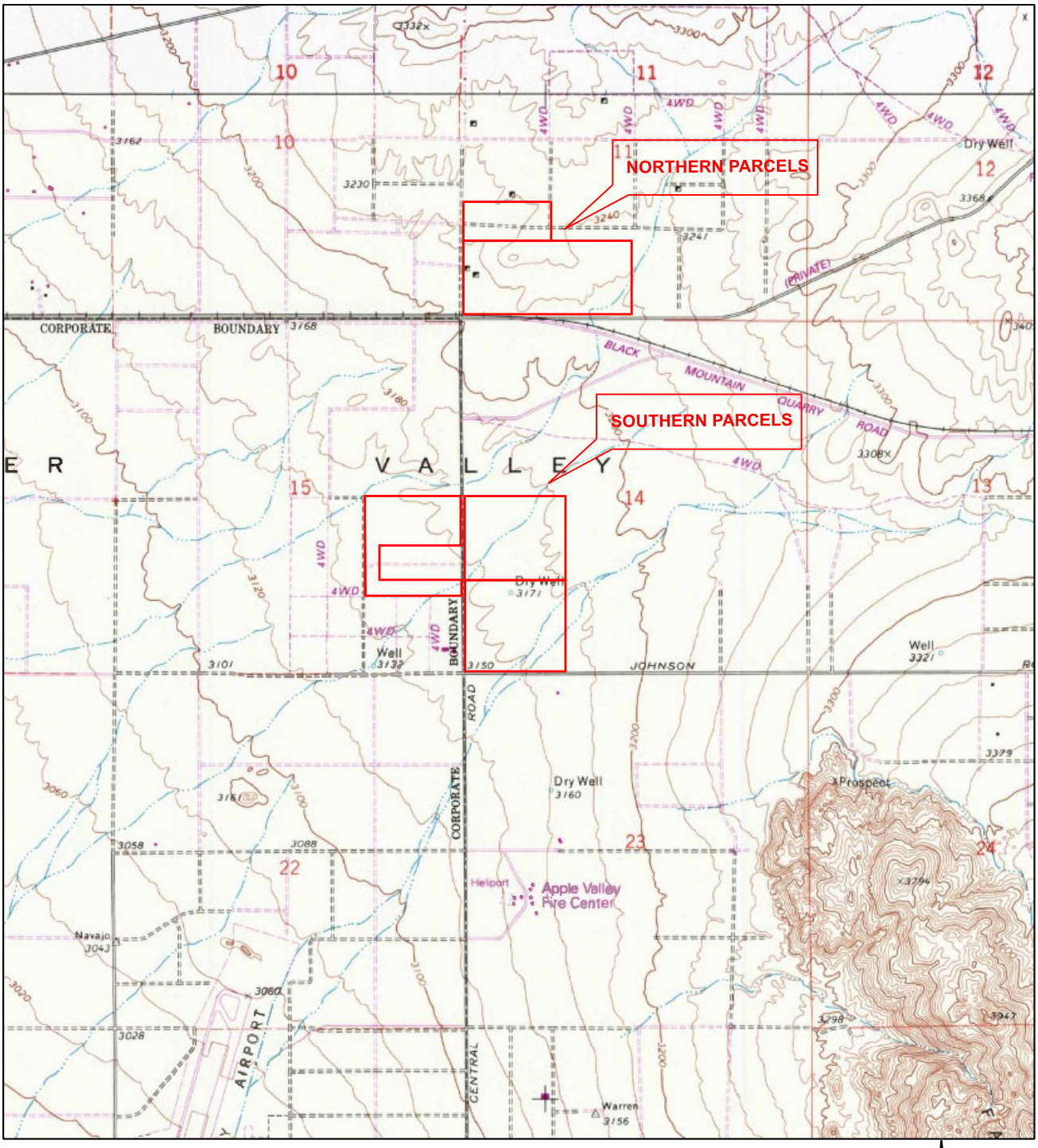
The following documents, maps or other publications may have been utilized during the preparation of this Phase I:

- ASTM, E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, 2013.
- California Department of Water Resources (DWR), Groundwater Basins in California, Version 3.0., 2003.
- Environmental Data Resources Inc. (EDR)-prepared: The EDR Radius Map, The EDR-City Directory Abstract, Certified SanbornÂ® Map Report, EDR Historical Topographic Map Report, EDR Historical Aerial Photograph Report.

The following websites may have been accessed to obtain information during the preparation of this Phase I:

- California State Water Resource Control Board's GeoTracker website: http://geotracker.swrcb.ca.gov/
- California Geological Survey — Note 36: California Geomorphic Provinces: http://www.conservation.ca.gov/cgs/information/publications/cgs_notes/note_36/Documents/note_36.pdf
- California Department of Water Resources website: http://www.cd.water.ca.gov/
- DTSC's ENVIROSTOR website: www.envirostor.dtsc.ca.gov/public
- DTSC's HWTS website: http://www.hwts.dtsc.ca.gov/
- FEMA's website: www.fema.gov/
- ParcelQuest by CD-DATA online download: www.parcelquest.com
- USEPA's Envirofacts website: www.epa.gov/enviro
- USEPA's radon information website: www.epa.gov/radon/zonemap.html#mapcolors
- USEPA's lead information website: www.epa.gov/lead/
- USEPA's asbestos information website: www.epa.gov/asbestos/
- USEPA's mold information website: www.epa.gov/mold/moldguide.html
- USGS Mojave Groundwater Resources website: Mojave Groundwater Data | USGS California Water Science Center
- The Geologic Energy Management Division (CalGEM) Well Finder: https://www.conservation.ca.gov/calgem/Pages/Wellfinder.aspx

Figures



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APPLE VALLEY NORTH QUADRANGLE, CALIFORNIA
7.5 MINUTE SERIES (U.S. GEOLOGICAL SURVEY)

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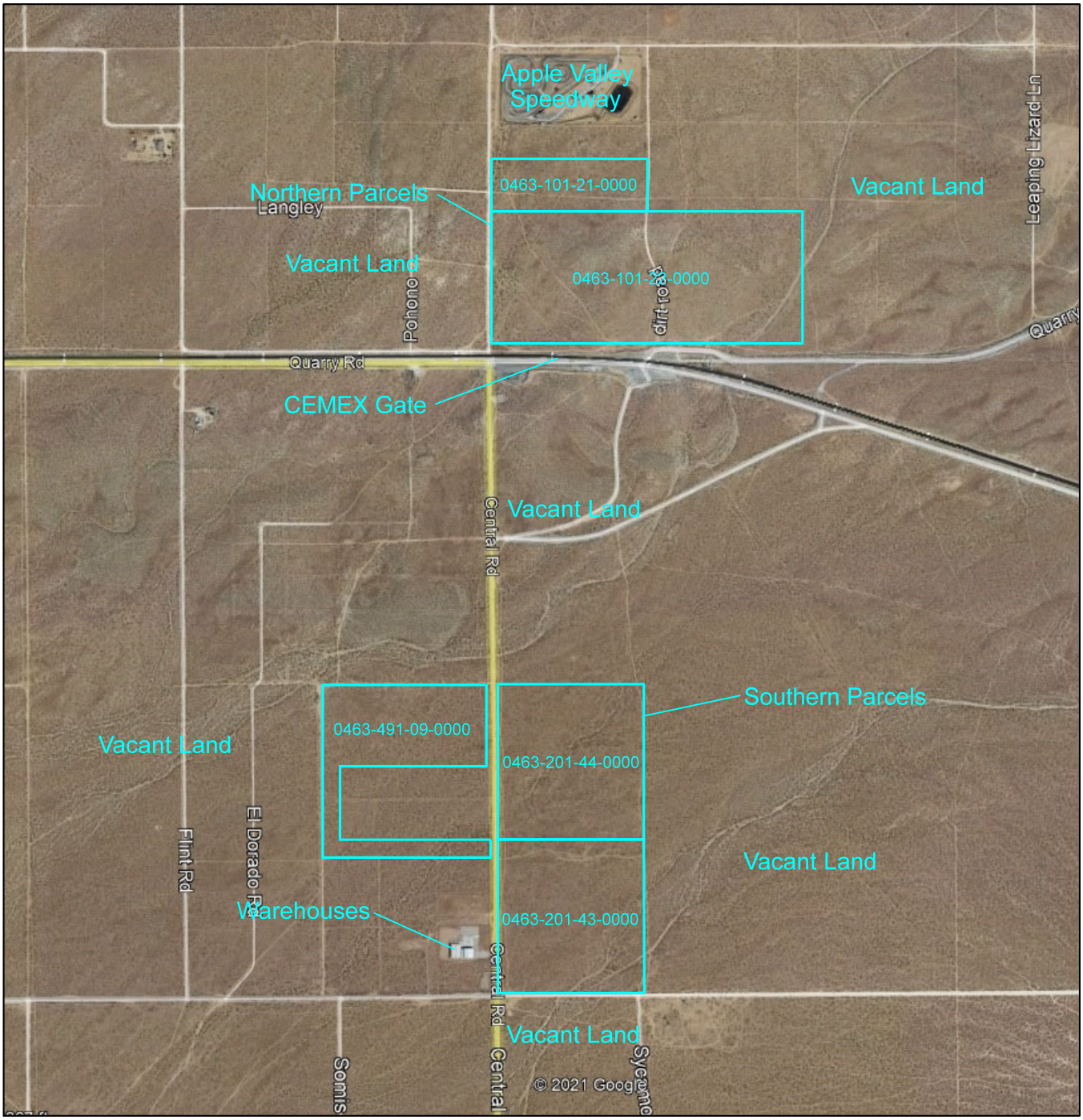
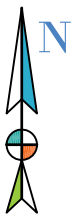
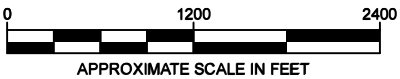
LOCATION MAP

SAPP AND CAMPBELL PROPERTIES
APPLE VALLEY, CALIFORNIA

DATE:	SEPTEMBER 2021
FILE:	LOCATION
DRAWN BY:	RDL
PROJECT NO.	21-6588
FIGURE:	1







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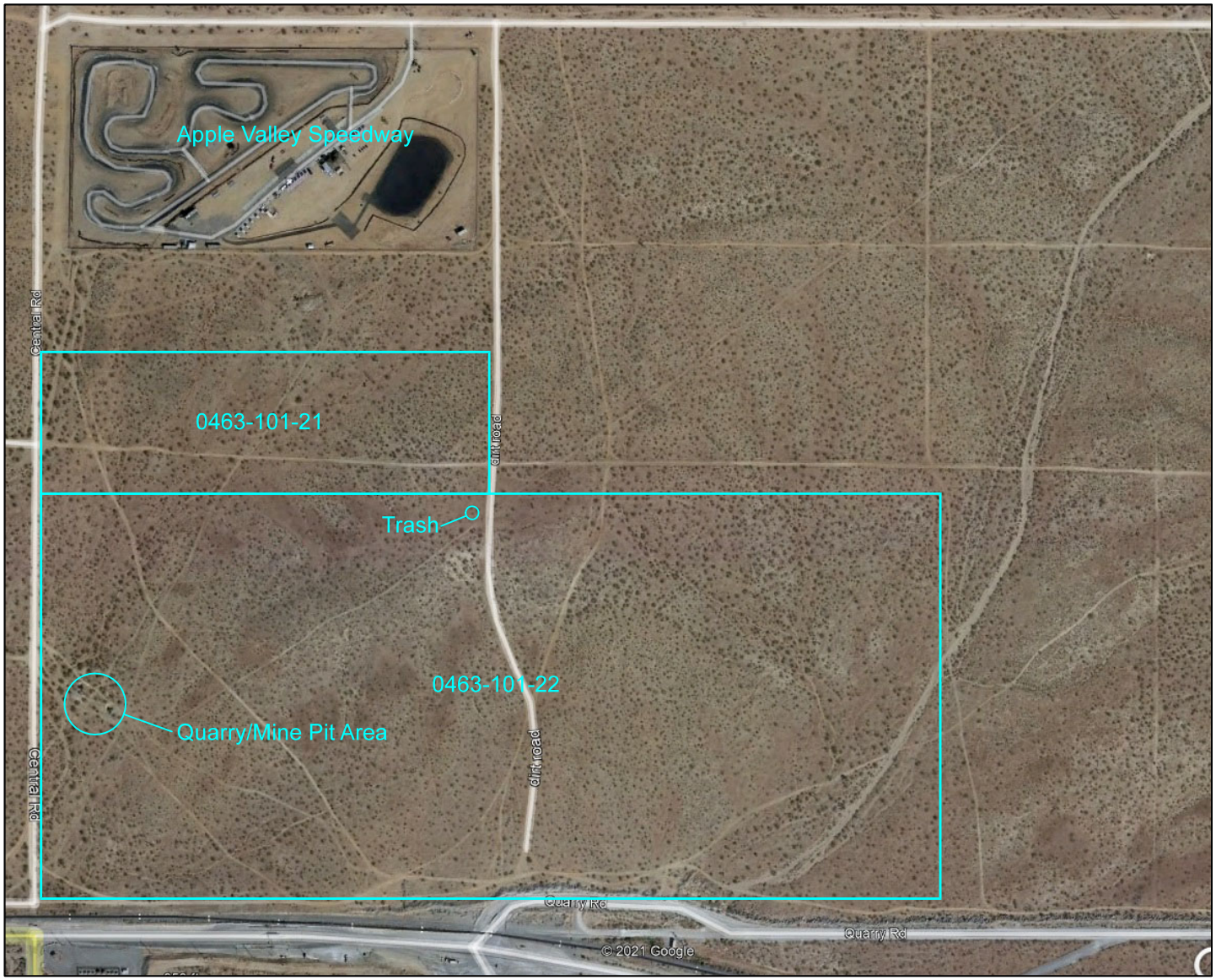
SITE LAYOUT

SAPP AND CAMPBELL PARCELS
APPLE VALLEY, CALIFORNIA

DATE: SEPTEMBER 2021
FILE: SL
DRAWN BY: RDL
PROJECT NO. 21-6588
FIGURE: 2



N

0 470 940

APPROXIMATE SCALE IN FEET

Approximate Parcel Boundary

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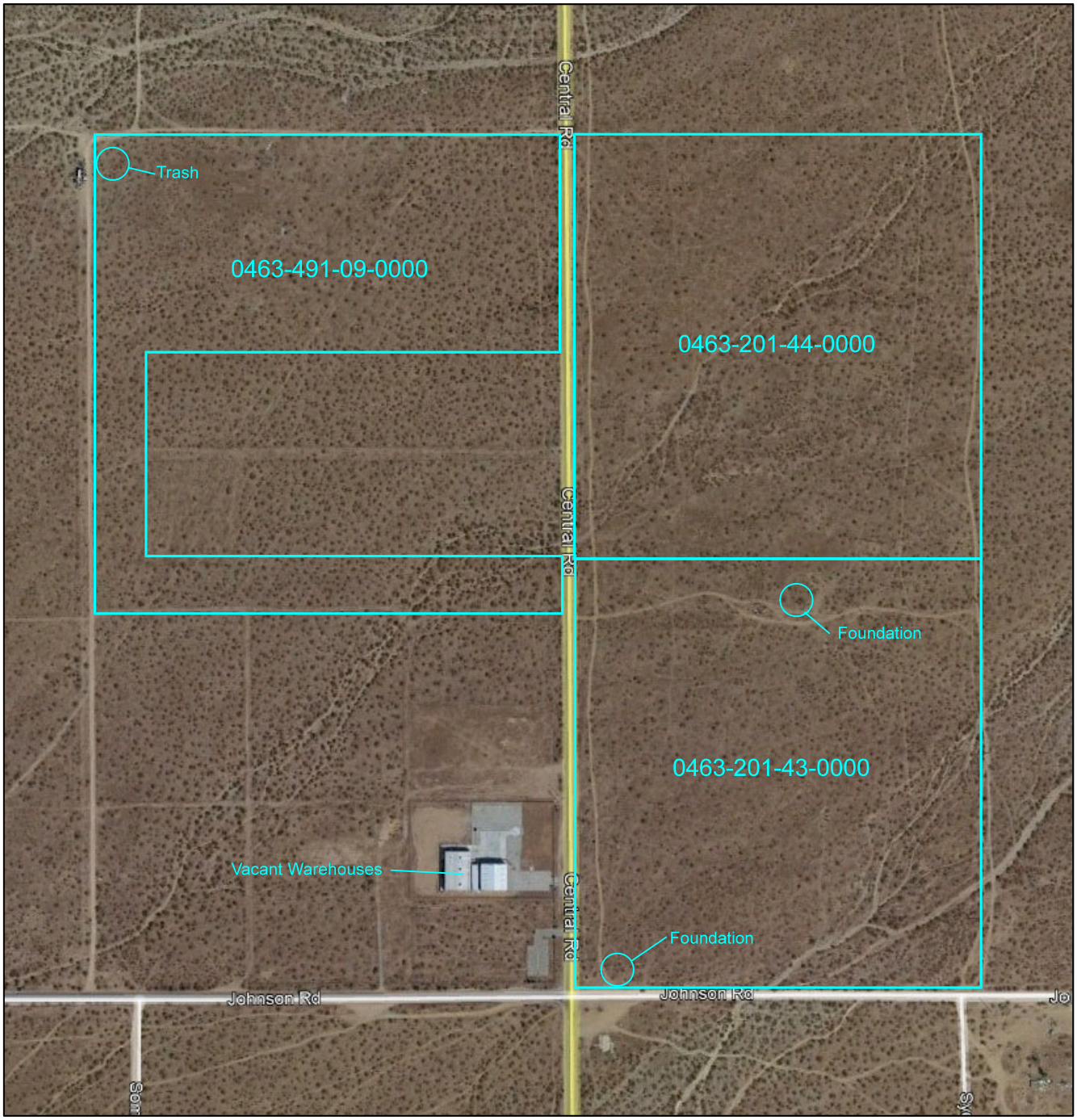
SITE PLAN
NORTHERN PARCELS
SAPP PROPERTY
APPLE VALLEY, CALIFORNIA

DATE: SEPTEMBER 2021
FILE: SP-NP
DRAWN BY: RDL
PROJECT NO. 21-6588
FIGURE: 3



N

Approximate Parcel Boundary

0 465 930

APPROXIMATE SCALE IN FEET

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SITE PLAN

SOUTHERN PARCELS
SAPP AND CAMPBELL PARCELS
APPLE VALLEY, CALIFORNIA

DATE: SEPTEMBER 2021
FILE: SP-SP
DRAWN BY: RDL
PROJECT NO. 21-6588
FIGURE: 4

Appendix A -

Photographs of the Subject Property

APPENDIX A

SAPP PROPERTIES, APPLE VALLEY, CALIFORNIA—NORTHERN PARCELS

Photo 1: Typical view of the northernmost parcel (0463-101-21), looking east.



Photo 2: View of Parcel –21, looking westerly.



APPENDIX A

SAPP PROPERTIES, APPLE VALLEY, CALIFORNIA—NORTHERN PARCELS

WiPhoto 3: View of the northern parcels, looking west. A CEMEX cement plant can be seen on the hills in the distance.



Photo 4: View of the eastern portion of Parcel 0463-101-22.



APPENDIX A
SAPP PROPERTIES, APPLE VALLEY, CALIFORNIA—NORTHERN PARCELS

Photo 5: View of dumped roofing material on Parcel –22, near the north-central portion of the parcel along the north-south dirt road through the center of the parcel.



Photo 6: View of the western portion of Parcel –22.



APPENDIX A

SAPP PROPERTIES, APPLE VALLEY, CALIFORNIA—NORTHERN PARCELS

Photo 7: View of the central portion of the Parcel –22.



Photo 8: View of tailings piles near a quarry/mine exploratory pit on the west side of Parcel –22.



APPENDIX A

SAPP PROPERTIES, APPLE VALLEY, CALIFORNIA—NORTHERN PARCELS

Photo 9: Quarry/mine exploratory pit on the west side of Parcel –22.



Photo 10: View of vacant land and Apple Valley Speedway, immediately north of the subject property.



APPENDIX A

SAPP PROPERTIES, APPLE VALLEY, CALIFORNIA—NORTHERN PARCELS

Photo 11: View of vacant land to the east of the subject property.



Photo 12: View of Southwest Gas pipeline markers, railroad tracks and Quarry Road immediately south of the subject property. The guarded entrance to the CEMEX plant can be seen in the distance along the road.



APPENDIX A

SAPP PROPERTIES, APPLE VALLEY, CALIFORNIA—NORTHERN PARCELS

Photo 13: View of the entrance to the CEMEX plant along Quarry Road, immediately south of the subject property.



Photo 14: View of vacant desert land, immediately west of the subject property.



APPENDIX A

SAPP/CAMPBELL PROPERTIES, APPLE VALLEY, CALIFORNIA—SOUTHERN PARCELS

Photo 1: View looking northwest across the southeastern parcel (0463-201-43).



Photo 2: Typical view of the southeastern Parcel –43.



APPENDIX A

SAPP/CAMPBELL PROPERTIES, APPLE VALLEY, CALIFORNIA—SOUTHERN PARCELS

Photo 3: Foundations located on the southwest corner of Parcel –43.



Photo 4: Typical view to the west across the northeast parcel (0463-201-44).



APPENDIX A

SAPP/CAMPBELL PROPERTIES, APPLE VALLEY, CALIFORNIA—SOUTHERN PARCELS

Photo 5: View looking southwest from the northeast corner of Parcel –44.



Photo 6: Foundation located on the northern portion of Parcel –43 along a powerline road.



APPENDIX A

SAPP/CAMPBELL PROPERTIES, APPLE VALLEY, CALIFORNIA—SOUTHERN PARCELS

Photo 7: Trash dumped along the powerline road on the northern portion of Parcel –43.



Photo 8: View looking north across Parcel –44.



APPENDIX A

SAPP/CAMPBELL PROPERTIES, APPLE VALLEY, CALIFORNIA—SOUTHERN PARCELS

Photo 9: View looking west at the southern end of the western parcel (0463-491-09).



Photo 10: View of the western edge of the southern portion of Parcel -09.



APPENDIX A

SAPP/CAMPBELL PROPERTIES, APPLE VALLEY, CALIFORNIA—SOUTHERN PARCELS

Photo 11: View across the northern portion of Parcel –09, looking southeast.



Photo 12: View looking south across the northern portion of Parcel –09.



APPENDIX A

SAPP/CAMPBELL PROPERTIES, APPLE VALLEY, CALIFORNIA—SOUTHERN PARCELS

Photo 13: View of adjacent property to the north of Parcel –09.



Photo 14: Vacant desert land to the north of Parcel –44.



APPENDIX A

SAPP/CAMPBELL PROPERTIES, APPLE VALLEY, CALIFORNIA—SOUTHERN PARCELS

Photo 15: View of the property immediately south of Parcel –09. Vacant warehouse-type buildings are further south.



Photo 16: View of vacant land immediately south of Parcel –43.



APPENDIX A

SAPP/CAMPBELL PROPERTIES, APPLE VALLEY, CALIFORNIA—SOUTHERN PARCELS

Photo 17: Typical view of vacant desert land to the east of Parcel –09.



Photo 18: View of vacant land to the east of Parcels –43 and –44.



Appendix B -

Historical Documents

DETAIL REPORT

Property Address:

Ownership

Parcel# (APN):	**0463-491-09-0000**
Parcel Status:	**ACTIVE**
Owner Name:	**CAMPBELL SYLVIA GRIGGS FAM TR 05-30**
Mailing Addr:	**6241 RIVERSIDE BLVD #122 SACRAMENTO CA 95831**
Legal Description:	**NE 50 AC SQUARE IN SE 1/4 SEC 15 TP 6N R 3W EX S 1/2 NE 1/4 SE 1/4 SD SEC 30 AC**

Assessment

Total Value:	**$104,631**	Use Code:	**0000**	Use Type:	**VACANT**
Land Value:	**$104,631**	Tax Rate Area:	**021-027**	Zoning:	
Impr Value:		Year Assd:	**2021**	Census Tract:	
Other Value:		Property Tax:		Price/SqFt:	
% Improved:	**0%**	Delinquent Yr:			
Exempt Amt:		HO Exempt:	**N**		

Sale History

	Sale1	Sale2	Sale3	Transfer
Recording date:				**06/21/2006**
Recording Doc:				**20060422607**
Doc type:				
Transfer Amount:				
Seller (Grantor):				

Property Characteristics

Bedrooms:		Fireplace:		Units:	
Baths (Full):		A/C:		Stories:	
Baths (Half):		Heating:		Quality:	
Total Rooms:		Pool:		Building Class:	
Bldg/Liv Area:		Park Type:		Condition:	
Lot Acres:	**30.000**	Spaces:		Site influence:	**YES**
Lot SqFt:	**1,306,800**	Garage SqFt:		Timber Preserve:	
Year Built:		Bsmt SqFt:	**N/A**	Ag Preserve:	
Effective Year:					

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DETAIL REPORT

Property Address:

Ownership

Parcel# (APN):	**0463-201-43-0000**
Parcel Status:	**ACTIVE**
Owner Name:	**SAPP ROSCOE ESTATE**
Mailing Addr:	**19099 PALO VERDE DR APPLE VALLEY CA 92308**
Legal Description:	**S 1/2 W 1/2 SW 1/4 SEC 14 TP 6N R 3W 40 AC**

Assessment

Total Value:	**$120,373**	Use Code:	**0000**	Use Type:	**VACANT**
Land Value:	**$120,373**	Tax Rate Area:	**021-083**	Zoning:	
Impr Value:		Year Assd:	**2021**	Census Tract:	
Other Value:		Property Tax:		Price/SqFt:	
% Improved:	**0%**	Delinquent Yr:			
Exempt Amt:		HO Exempt:	**N**		

Sale History

	Sale1	Sale2	Sale3	Transfer
Recording date:				**04/10/1997**
Recording Doc:				**19970126369**
Doc type:				
Transfer Amount:				
Seller (Grantor):				

Property Characteristics

Bedrooms:		Fireplace:		Units:	
Baths (Full):		A/C:		Stories:	
Baths (Half):		Heating:		Quality:	
Total Rooms:		Pool:		Building Class:	
Bldg/Liv Area:		Park Type:		Condition:	
Lot Acres:	**40.000**	Spaces:		Site influence:	**NO**
Lot SqFt:	**1,742,400**	Garage SqFt:		Timber Preserve:	
Year Built:		Bsmt SqFt:	**N/A**	Ag Preserve:	
Effective Year:					

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DETAIL REPORT

Property Address:

Ownership

Parcel# (APN):	**0463-201-44-0000**
Parcel Status:	**ACTIVE**
Owner Name:	**SAPP ROSCOE ESTATE**
Mailing Addr:	**19099 PALO VERDE DR APPLE VALLEY CA 92308**
Legal Description:	**N 1/2 W 1/2 SW 1/4 SEC 14 TP 6N R 3W 40 AC**

Assessment

Total Value:	**$120,373**	Use Code:	**0000**	Use Type:	**VACANT**
Land Value:	**$120,373**	Tax Rate Area:	**021-083**	Zoning:	
Impr Value:		Year Assd:	**2021**	Census Tract:	
Other Value:		Property Tax:		Price/SqFt:	
% Improved:	**0%**	Delinquent Yr:			
Exempt Amt:		HO Exempt:	**N**		

Sale History

	Sale1	Sale2	Sale3	Transfer
Recording date:				**04/10/1997**
Recording Doc:				**19970126369**
Doc type:				
Transfer Amount:				
Seller (Grantor):				

Property Characteristics

Bedrooms:		Fireplace:		Units:	
Baths (Full):		A/C:		Stories:	
Baths (Half):		Heating:		Quality:	
Total Rooms:		Pool:		Building Class:	
Bldg/Liv Area:		Park Type:		Condition:	
Lot Acres:	**40.000**	Spaces:		Site influence:	**NO**
Lot SqFt:	**1,742,400**	Garage SqFt:		Timber Preserve:	
Year Built:		Bsmt SqFt:	**N/A**	Ag Preserve:	
Effective Year:					

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DETAIL REPORT

Property Address:

Ownership

Parcel# (APN):	**0463-101-21-0000**
Parcel Status:	**ACTIVE**
Owner Name:	**SAPP ROSCOE ESTATE**
Mailing Addr:	**19099 PALO VERDE DR APPLE VALLEY CA 92308**
Legal Description:	**S 1/2 NW 1/4 SW 1/4 SEC 11 TP 6N R 3W EX N 275 FT 11.65 AC**

Assessment

Total Value:	**$16,552**	Use Code:	**0000**	Use Type:	**VACANT**
Land Value:	**$16,552**	Tax Rate Area:	**054-118**	Zoning:	
Impr Value:		Year Assd:	**2021**	Census Tract:	**121.05/2**
Other Value:		Property Tax:		Price/SqFt:	
% Improved:	**0%**	Delinquent Yr:			
Exempt Amt:		HO Exempt:	**N**		

Sale History

	Sale1	Sale2	Sale3	Transfer
Recording date:				**04/10/1997**
Recording Doc:				**19970126369**
Doc type:				
Transfer Amount:				
Seller (Grantor):				

Property Characteristics

Bedrooms:		Fireplace:		Units:	
Baths (Full):		A/C:		Stories:	
Baths (Half):		Heating:		Quality:	
Total Rooms:		Pool:		Building Class:	
Bldg/Liv Area:		Park Type:		Condition:	
Lot Acres:	**11.650**	Spaces:		Site influence:	**NO**
Lot SqFt:	**507,474**	Garage SqFt:		Timber Preserve:	
Year Built:		Bsmt SqFt:	**N/A**	Ag Preserve:	
Effective Year:					

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DETAIL REPORT

Property Address:

Ownership

Parcel# (APN):	**0463-101-22-0000**
Parcel Status:	**ACTIVE**
Owner Name:	**SAPP ROSCOE ESTATE**
Mailing Addr:	**19099 PALO VERDE DR APPLE VALLEY CA 92308**
Legal Description:	**S 1/2 SW 1/4 SEC 11 TP 6N R 3W EX S 100 FT 73.94 AC**

Assessment

Total Value:	**$67,710**	Use Code:	**0000**	Use Type:	**VACANT**
Land Value:	**$67,710**	Tax Rate Area:	**054-118**	Zoning:	
Impr Value:		Year Assd:	**2021**	Census Tract:	**121.05/2**
Other Value:		Property Tax:		Price/SqFt:	
% Improved:	**0%**	Delinquent Yr:			
Exempt Amt:		HO Exempt:	**N**		

Sale History

	Sale1	Sale2	Sale3	Transfer
Recording date:				**04/10/1997**
Recording Doc:				**19970126369**
Doc type:				
Transfer Amount:				
Seller (Grantor):				

Property Characteristics

Bedrooms:		Fireplace:		Units:	
Baths (Full):		A/C:		Stories:	
Baths (Half):		Heating:		Quality:	
Total Rooms:		Pool:		Building Class:	
Bldg/Liv Area:		Park Type:		Condition:	
Lot Acres:	**73.940**	Spaces:		Site influence:	**NO**
Lot SqFt:	**3,220,826**	Garage SqFt:		Timber Preserve:	
Year Built:		Bsmt SqFt:	**N/A**	Ag Preserve:	
Effective Year:					

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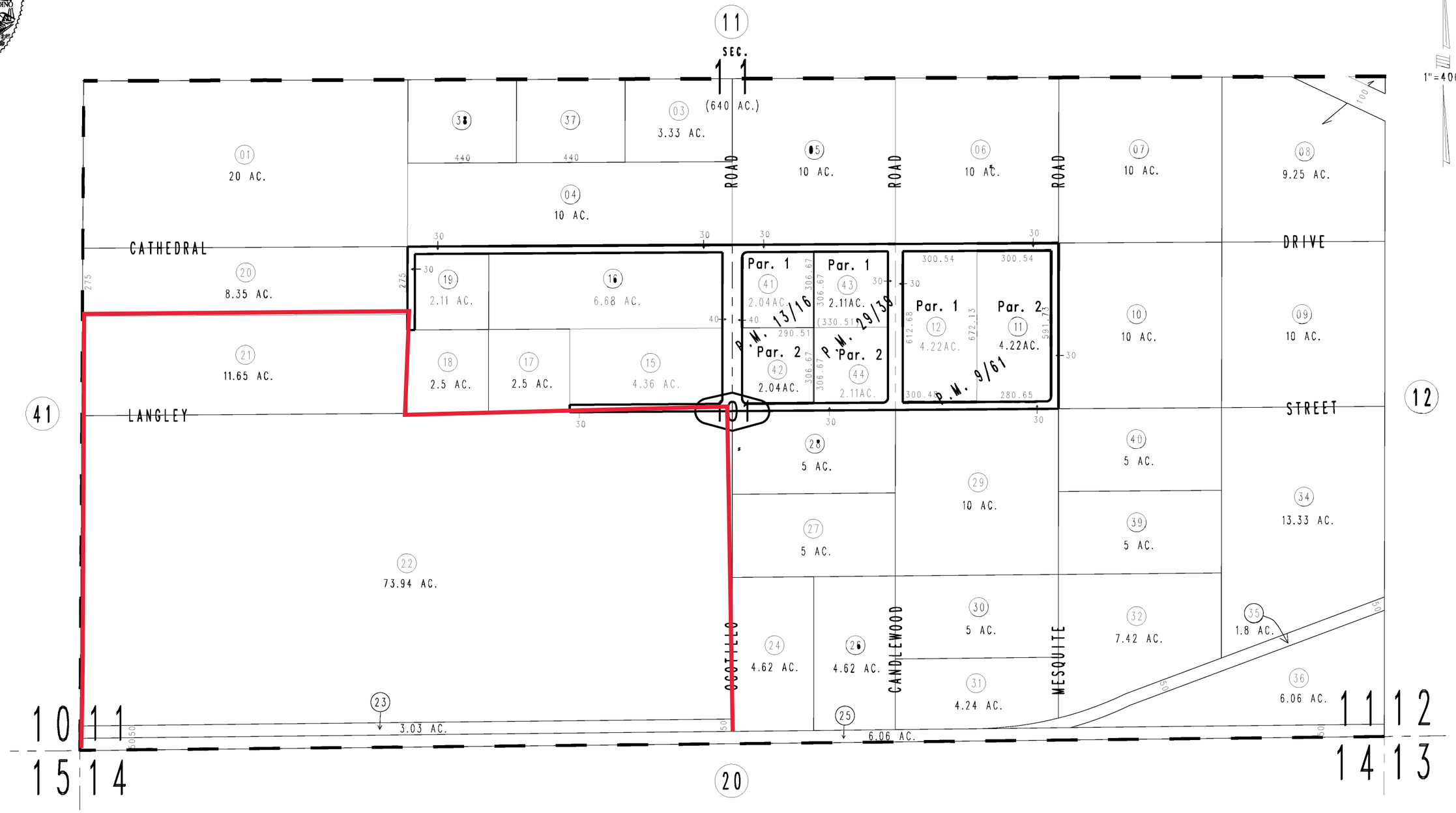
THIS MAP IS FOR THE PURPOSE OF AD VALOREM TAXATION ONLY.

S.1/2 Sec.11, T.6N.,R.3W., S.B.B.&M.

Apple Valley Unified 0463 - 10
Tax Rate Area
54118

1"=400'



Parcel Map No. 3167, P.M. 29/39
Parcel Map No. 1516, P.M. 13/16
Parcel Map No. 1005, P.M. 9/61

June 2004

Assessor's Map
Book 0463 Page 10
San Bernardino County

REVISED
06/10/15 RM-MC

THIS MAP IS FOR THE PURPOSE OF AD VALOREM TAXATION ONLY.

Sec.14 & Ptn. Sec.13, T.6N.,R.3W., S.B.B.&M.

Town of Apple Valley 0463- 20
Apple Valley Unified
Tax Rate Area .
21083,54109

1"=800'

10 | 12 | 15 | 18 | 19 | 24 | 47 | 48 | 49 | 50

57 20.30 AC. 2449.92

56 143.55 AC.

03 33.61 AC.

21 70 AC.

22 320 AC.

CENTRAL ROAD

EL DORADO ROAD

CIMARRON ROAD

CORDOVA ROAD

OCOTILLA ROAD

CANDLEWOOD ROAD

07 2.02AC | 06 2.30AC | 05 2.30AC | 04 2.09AC
08 2.02AC | 09 2.30AC | 10 2.30AC | 11 2.11AC
15 2.02AC | 14 2.30AC | 13 2.30AC | 12 2.07AC
16 1.95 AC. | 17 2.22AC | 18 2.22AC | 19 2.02AC

20 10 AC.

SEC. 14 (640 AC.)

SEC. 13 (640 AC.)

201

BROLEE NO. 1

BROLEE NO. 2

23 80 AC.

T.R.A.

44 40 AC.

43 40 AC.

42 120 AC.

41 19.39 AC.

34 79.13 AC.

DOBERMAN STREET

MESQUITE ROAD

JOSHUA ROAD

KARMA RD

NATOMA RD

40 2.07AC | 35 2.28AC
39 2.28AC | 53 2.28AC
38 2.28AC | 54 2.28AC
37 2 AC. | 45 2 AC.

32 4.24 AC.
47 2.22AC.
48 1.95AC.
31 10 AC.

29 5 AC. | 28 5 AC.
30 4.67AC | 27 4.67AC

24 20 AC.
Par.4 | Par.3
Par.1 | Par.2
52 | 51 | 49 | 50
25 9.39 AC.

JOHNSON

P.M. 12/86 ROAD

REVISED
08/02/18 KA

Assessor's Map
Book 0463 Page 20
San Bernardino County

June 2004

Parcel Map No. 1508, P.M. 12/86

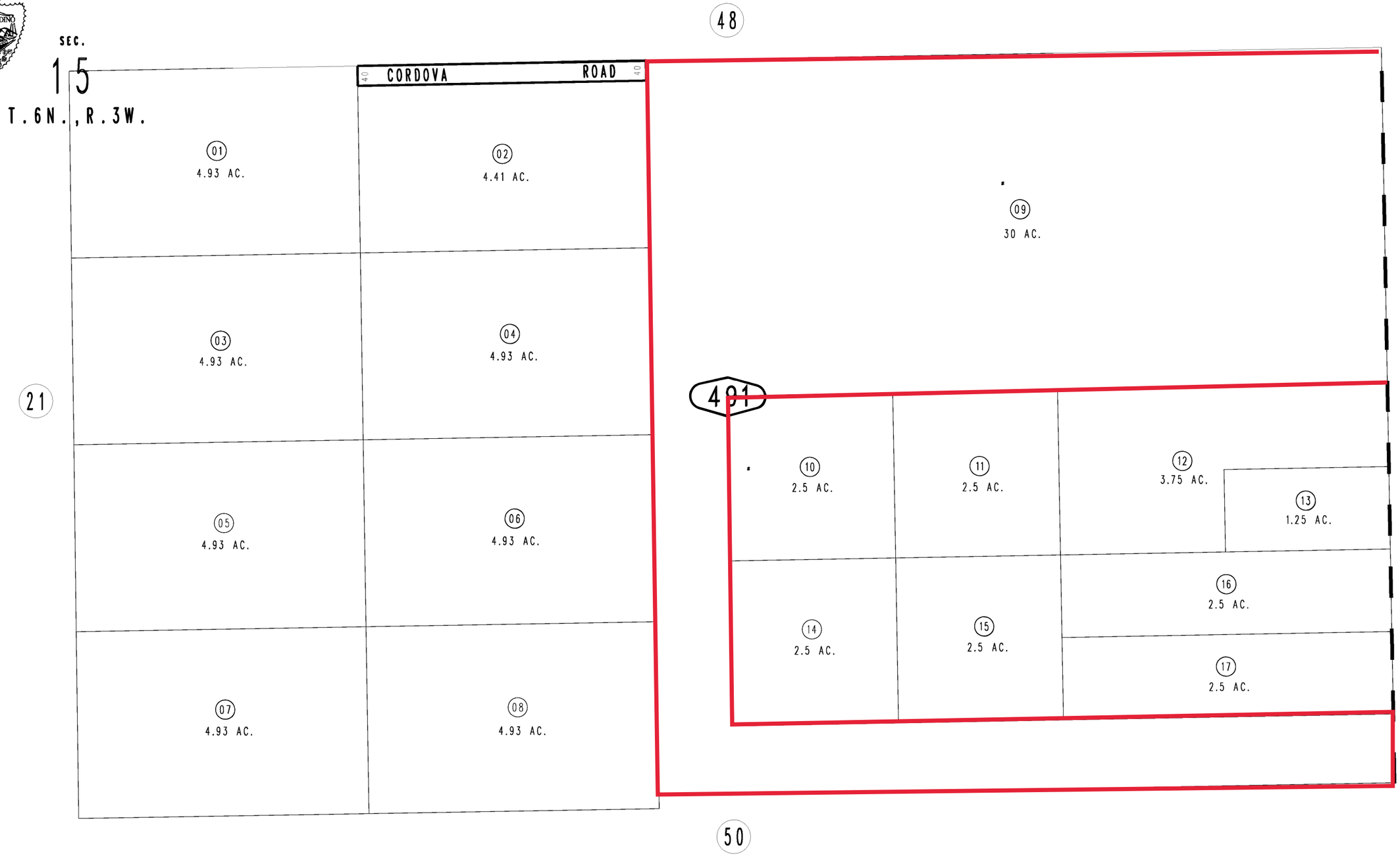
THIS MAP IS FOR THE PURPOSE OF AD VALOREM TAXATION ONLY.

Ptn. S.E.1/4, Sec.15, T.6N.,R.3W., S.B.B.&M.

Town of Apple Valley 0463- 49
Tax Rate Area
21027

SEC. 15
T.6N.,R.3W.

1"=200'



June 2004

Assessor's Map
Book 0463 Page 49
San Bernardino County

REVISED
08/13/12 LH-MC

Sapp and Campbell Properties

Central Road

Apple Valley, CA 92307

Inquiry Number: 6656975.3

September 10, 2021

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

09/10/21

Site Name:

Sapp and Campbell Properties
Central Road
Apple Valley, CA 92307
EDR Inquiry # 6656975.3

Client Name:

AdvancedGeo, Inc.
837 Shaw Road
Stockton, CA 95215
Contact: Robert Loeffler

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Certified Sanborn Results:

Certification # 108B-41EA-95B2

PO # 21-6588

Project Sapp and Campbell Properties

UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: 108B-41EA-95B2

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

The Sanborn Library LLC Since 1866™

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Sapp and Campbell Properties

Central Road

Apple Valley, CA 92307

Inquiry Number: 6656975.8

September 13, 2021

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

09/13/21

Site Name:

Sapp and Campbell Properties
Central Road
Apple Valley, CA 92307
EDR Inquiry # 6656975.8

Client Name:

AdvancedGeo, Inc.
837 Shaw Road
Stockton, CA 95215
Contact: Robert Loeffler

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Search Results:

Year	*Scale*	*Details*	*Source*
2016	1"=1000'	Flight Year: 2016	USDA/NAIP
2012	1"=1000'	Flight Year: 2012	USDA/NAIP
2009	1"=1000'	Flight Year: 2009	USDA/NAIP
2005	1"=1000'	Flight Year: 2005	USDA/NAIP
1995	1"=1000'	Acquisition Date: January 01, 1995	USGS/DOQQ
1984	1"=1000'	Flight Date: October 07, 1984	USDA
1973	1"=1000'	Flight Date: June 04, 1973	USGS
1969	1"=1000'	Flight Date: July 10, 1969	USGS
1953	1"=1000'	Flight Date: January 15, 1953	USDA

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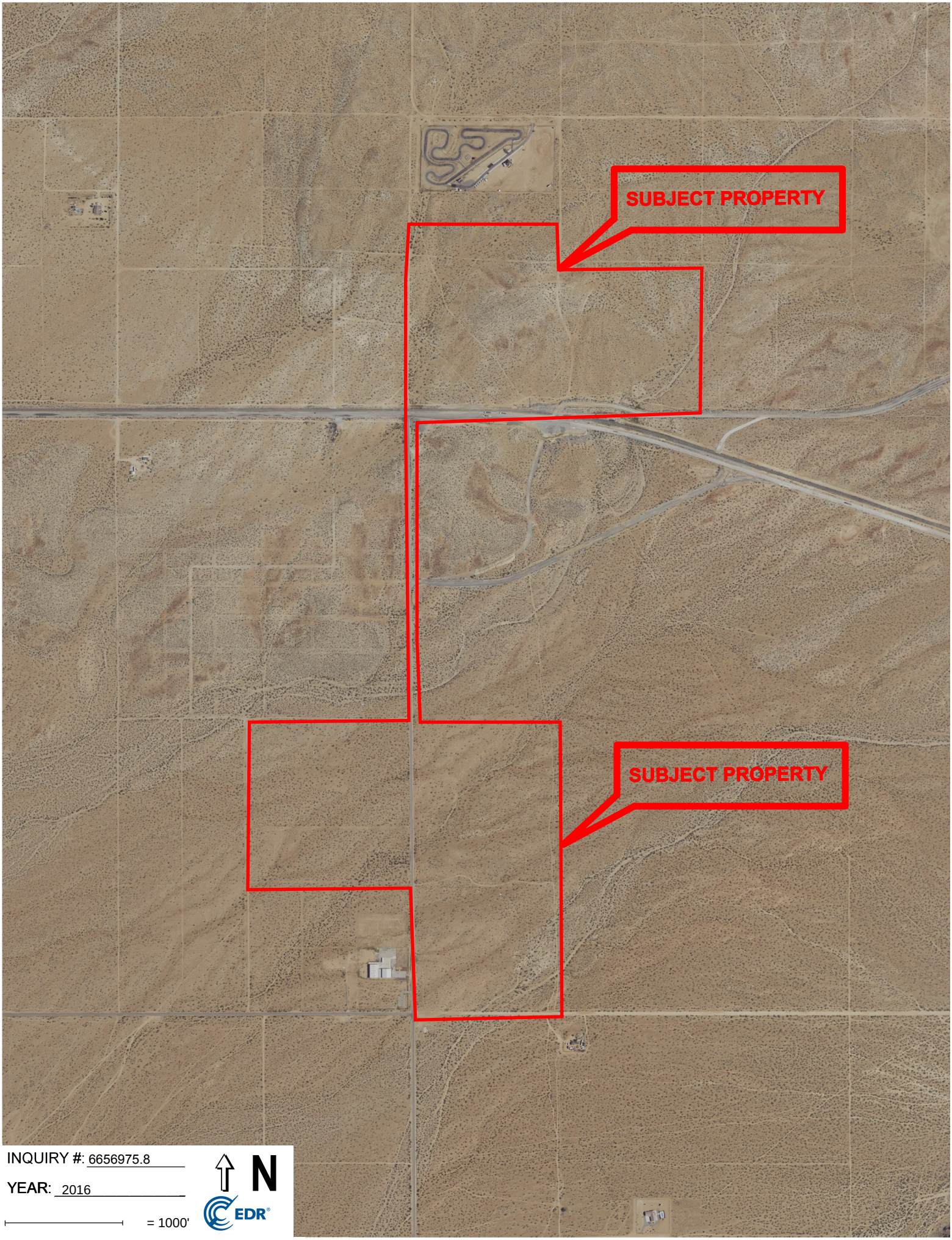
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YEAR: 2016
= 1000'
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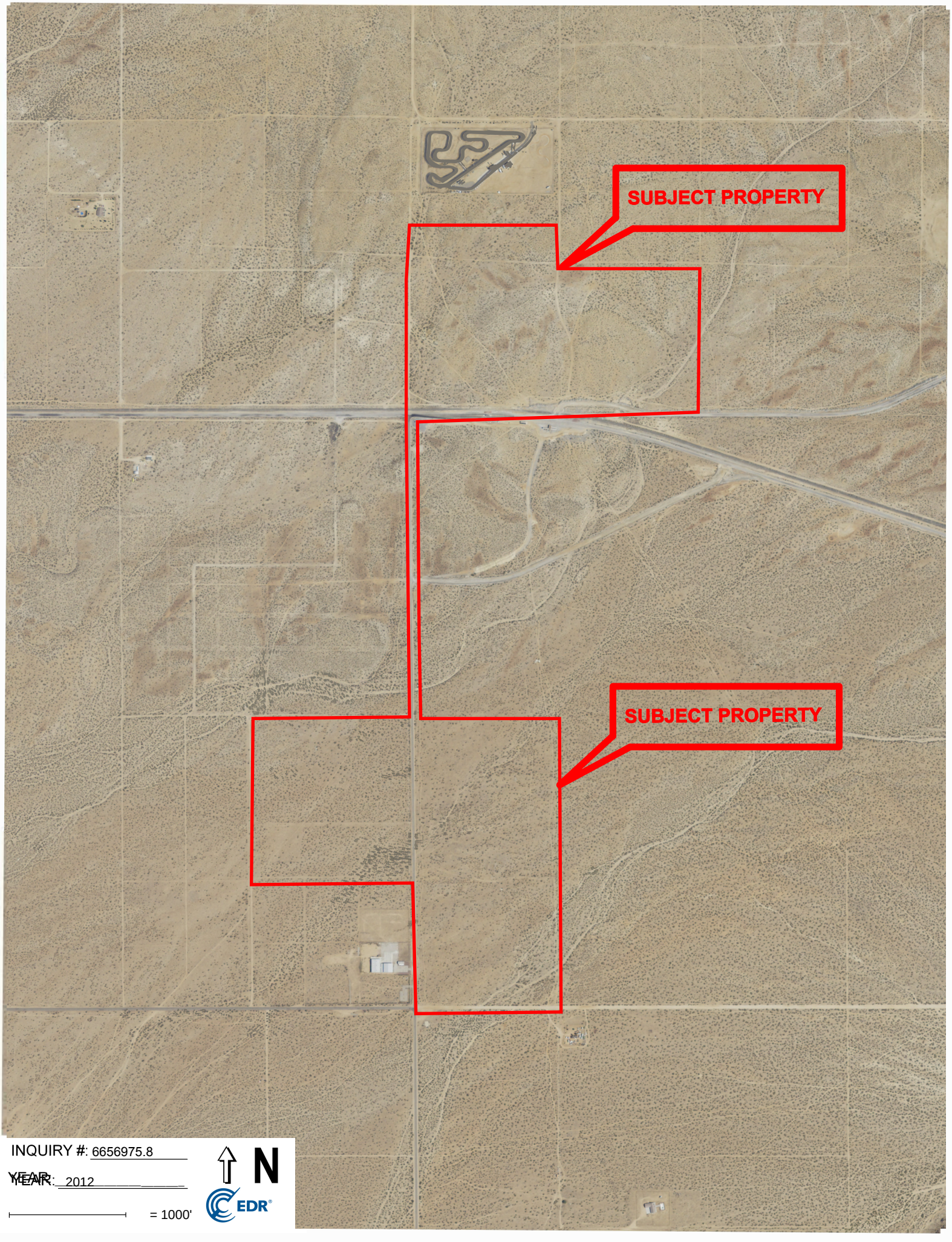
EDR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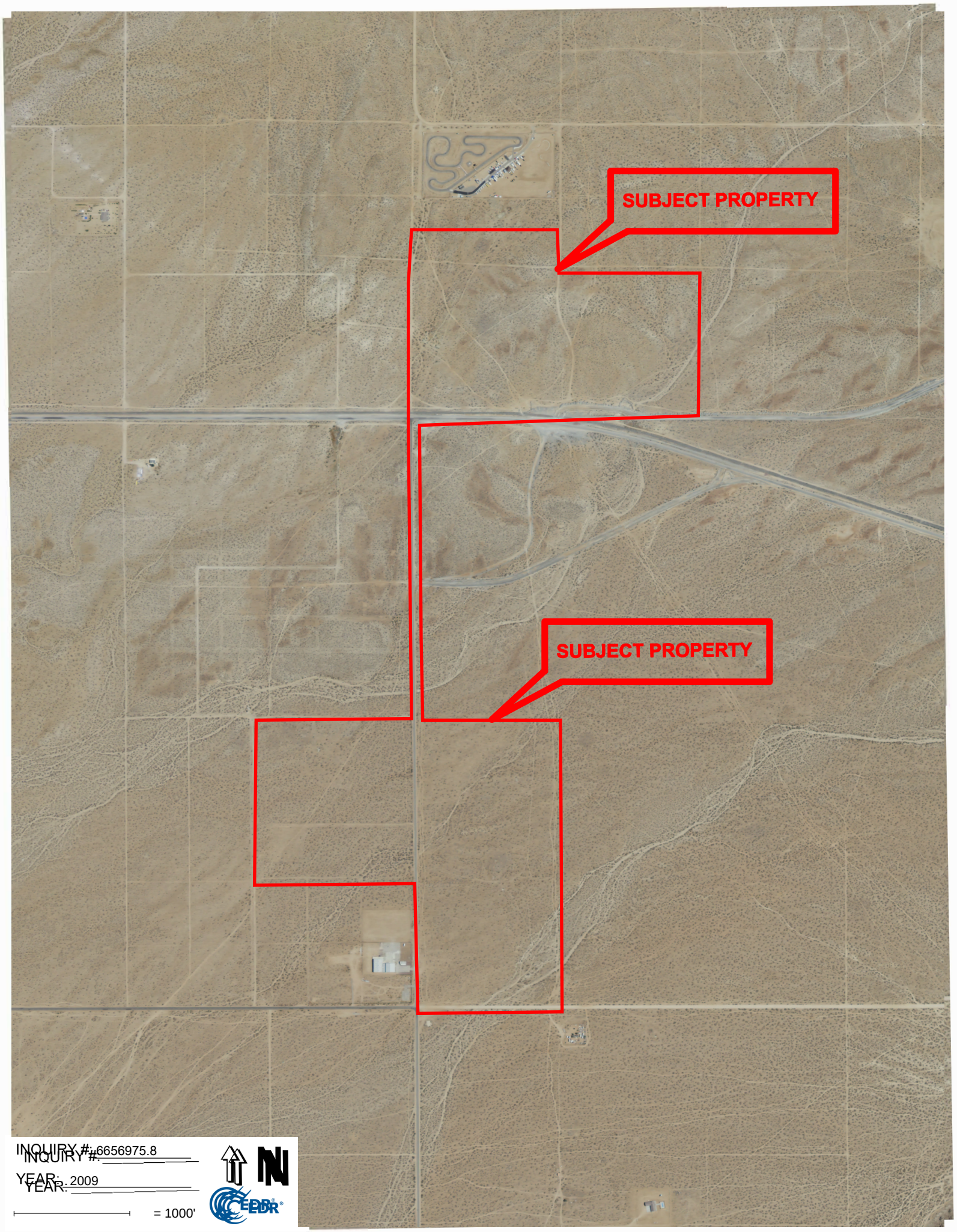
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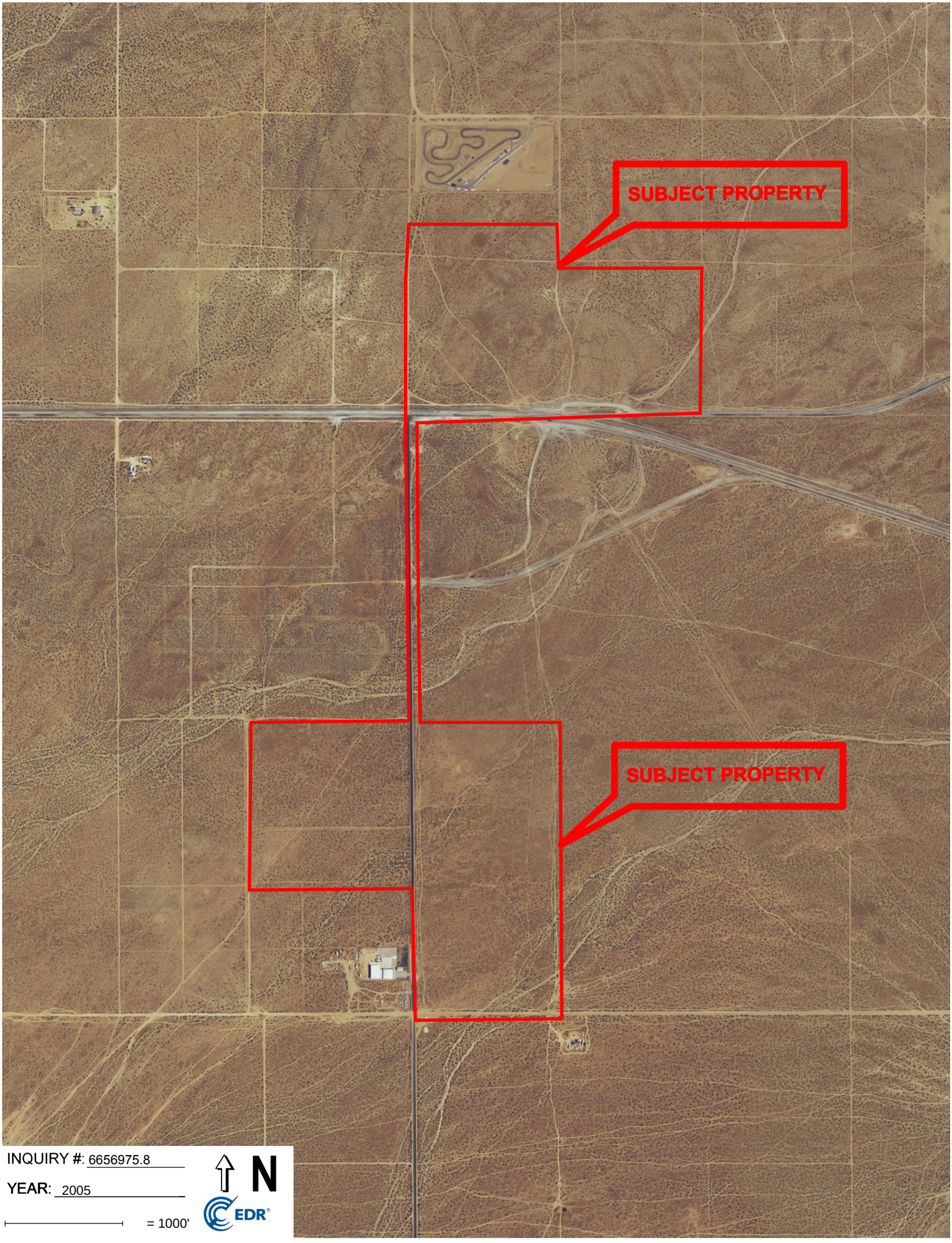
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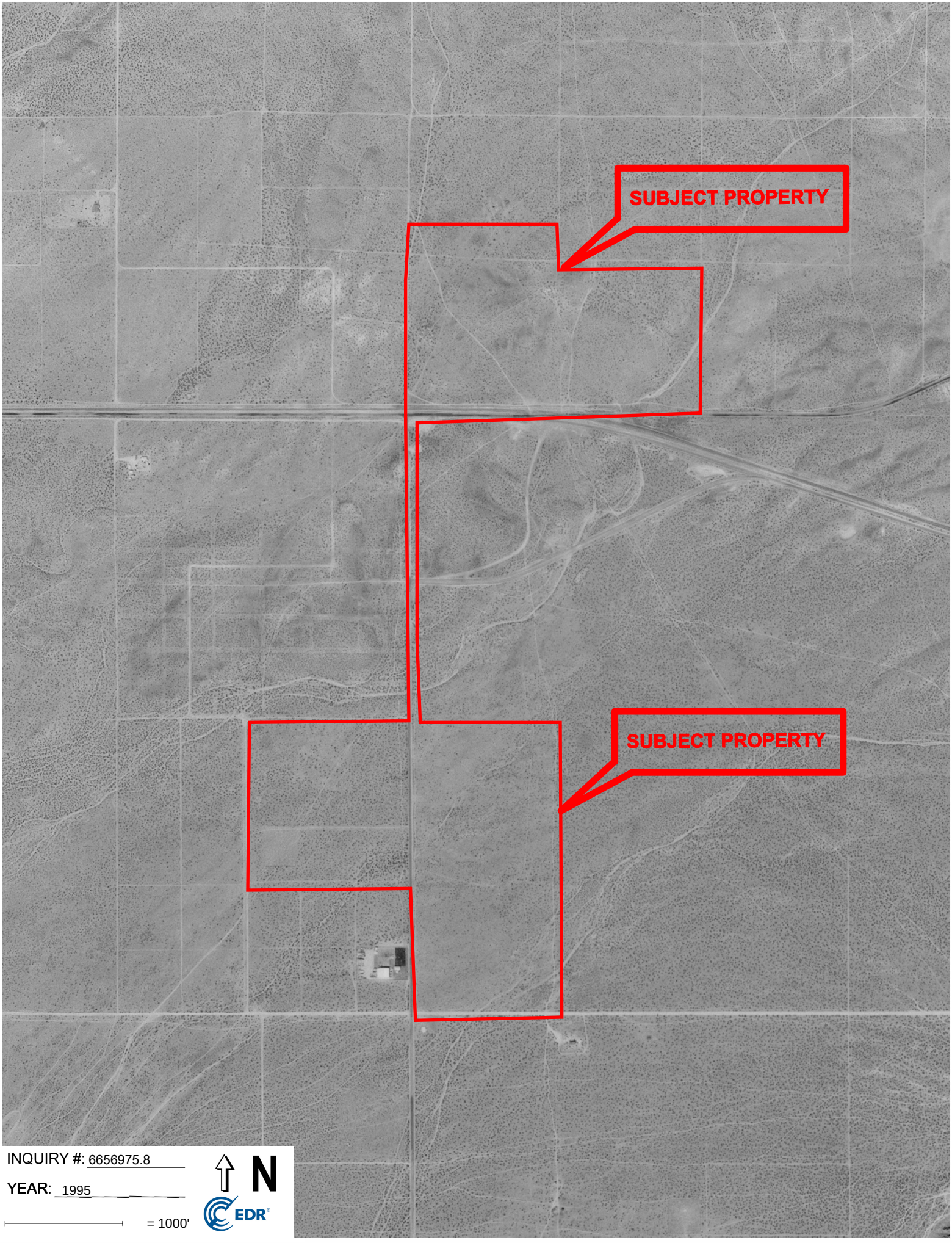
EDR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YEAR: 1995
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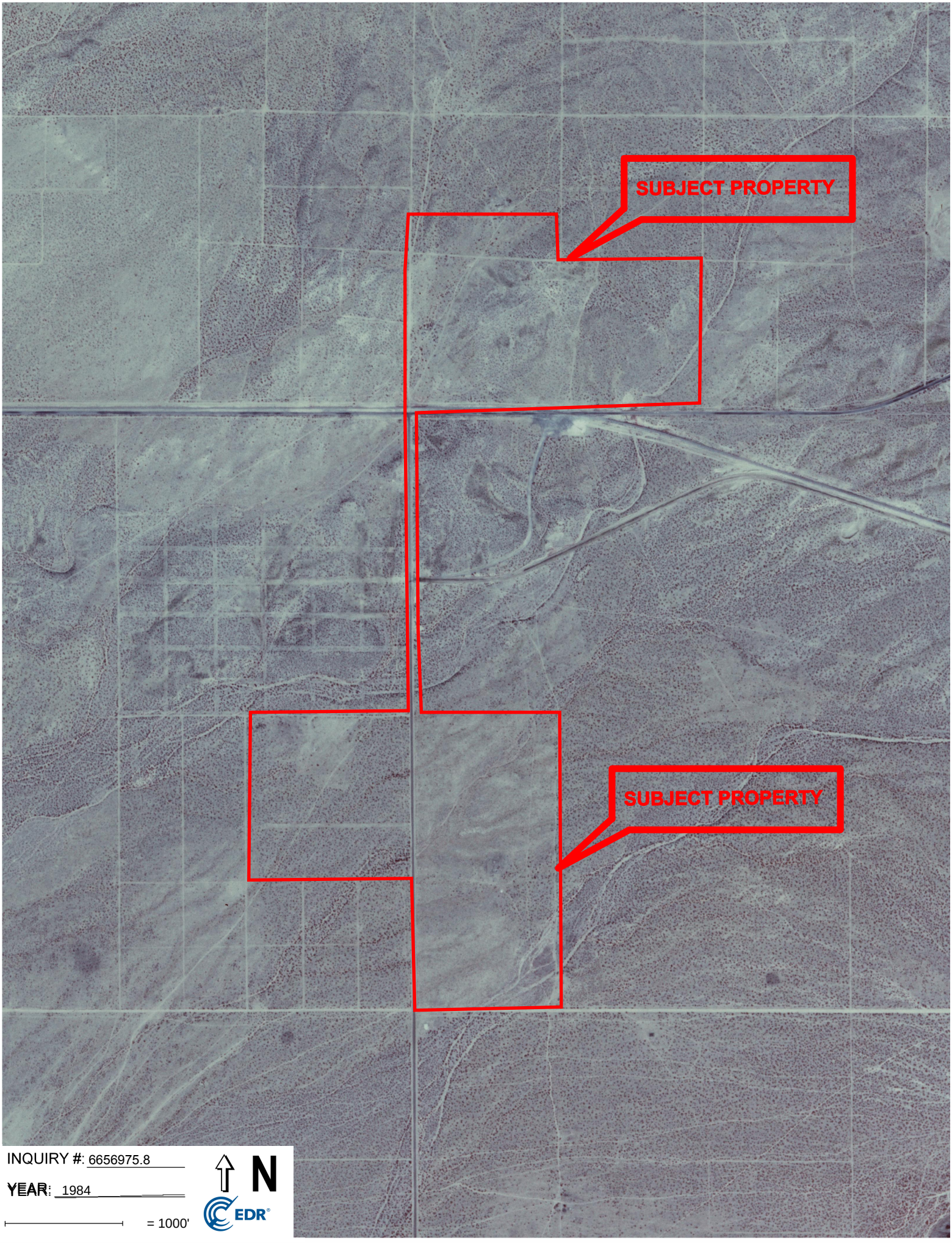
EDR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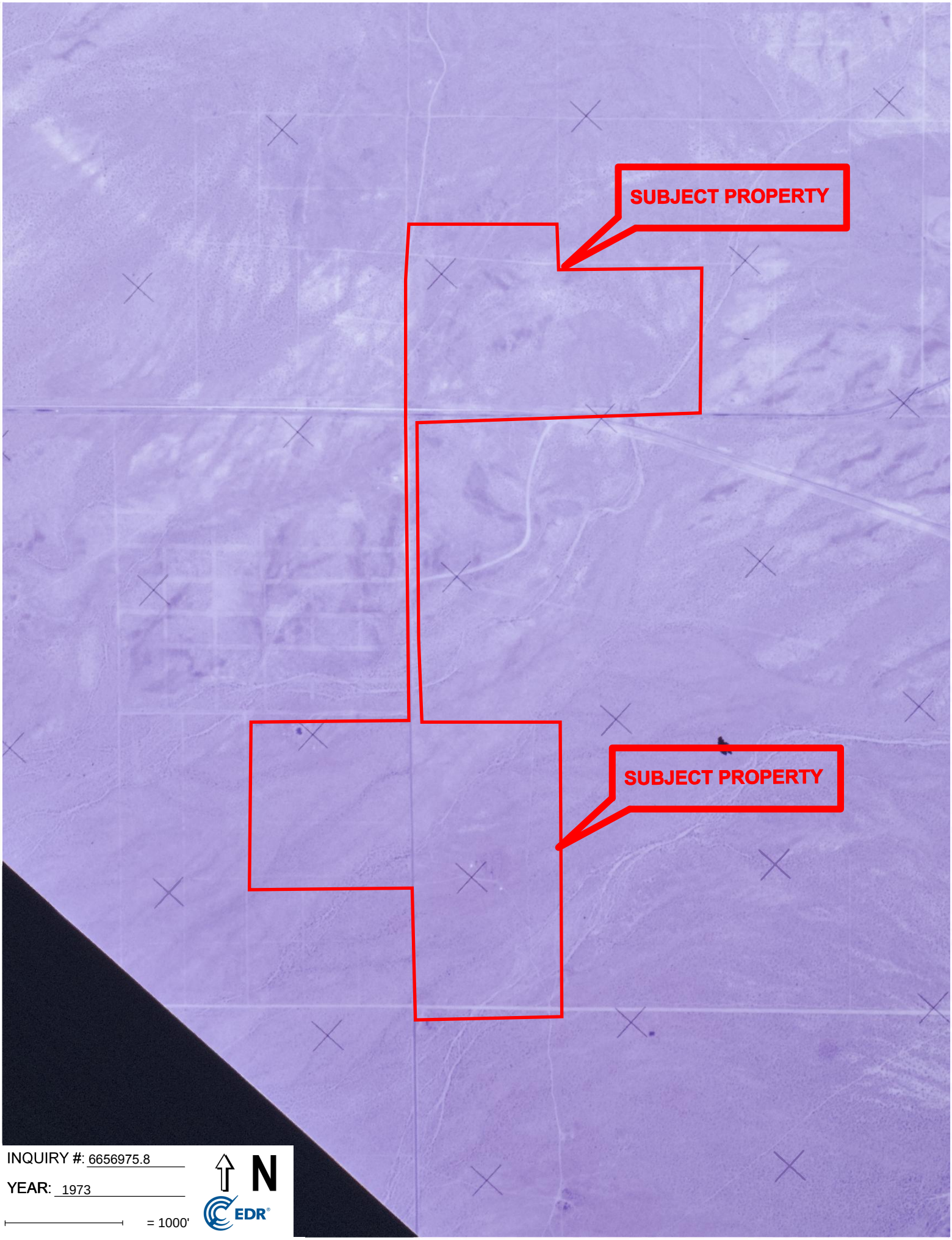
EDR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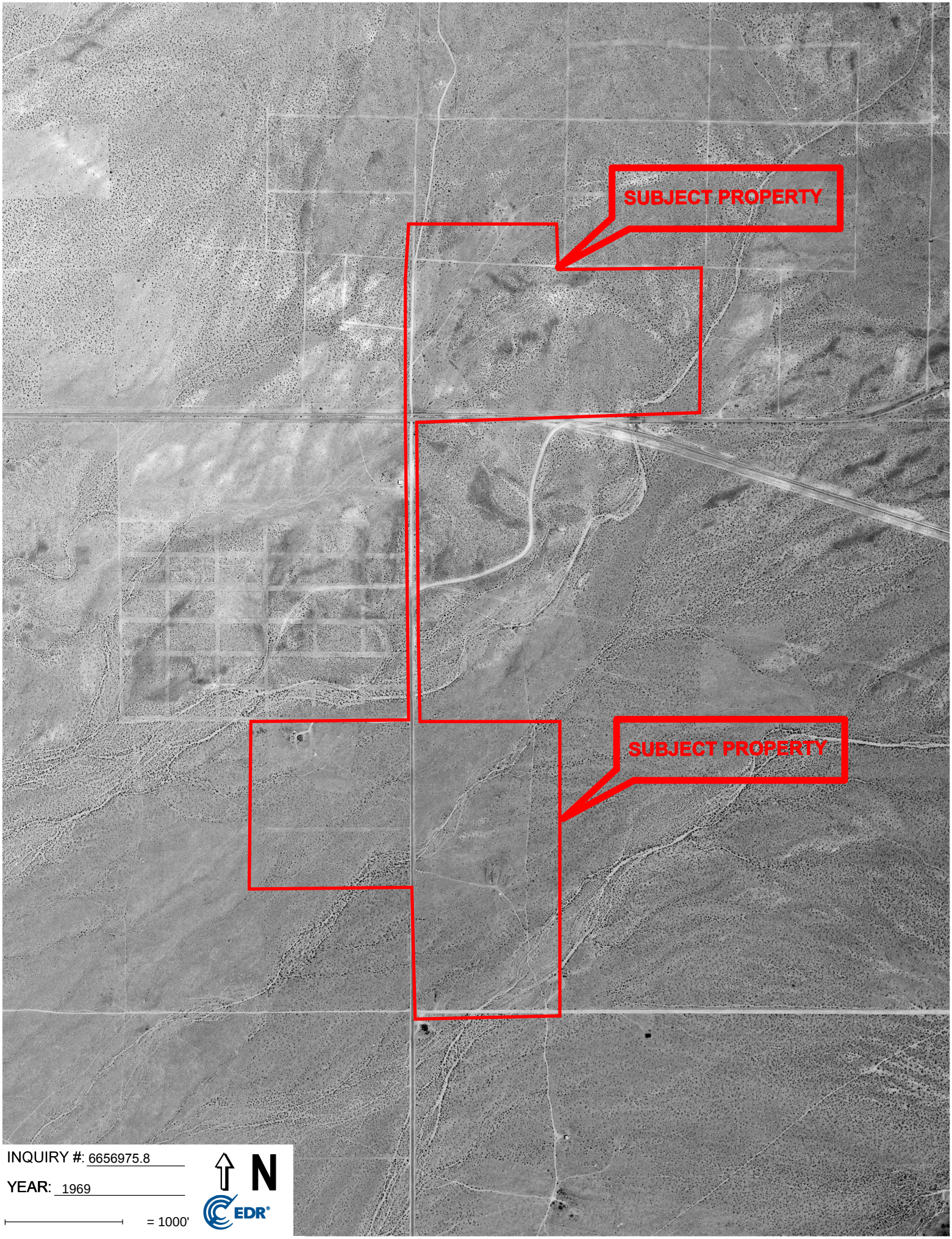
EDR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= 1000'
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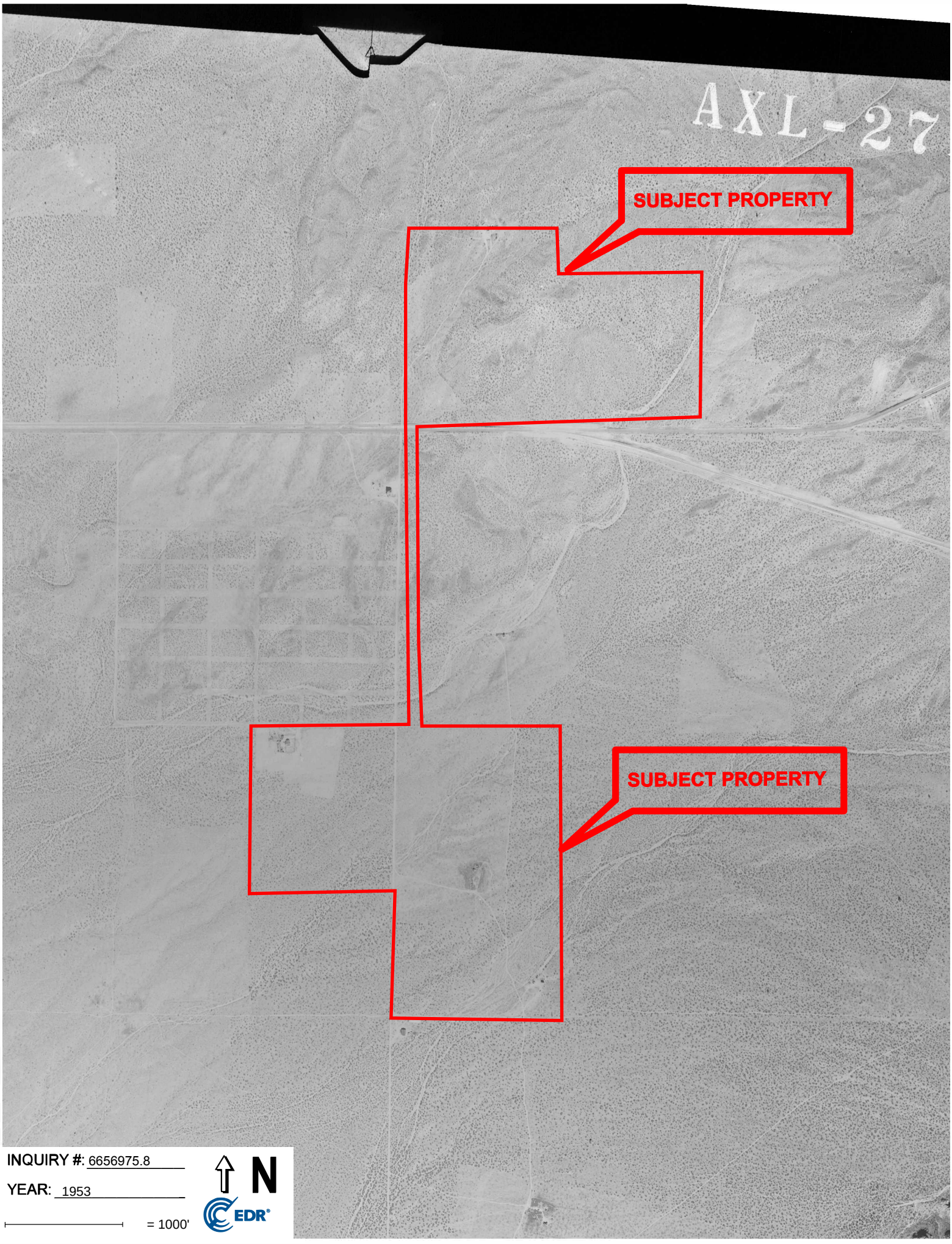
EDR


AXL-27
SUBJECT PROPERTY
SUBJECT PROPERTY
INQUIRY #: 6656975.8
YEAR: 1953
= 1000'
N
EDR

Sapp and Campbell Properties

Central Road

Apple Valley, CA 92307

Inquiry Number: 6656975.4

September 10, 2021

EDR Historical Topo Map Report

with QuadMatch™

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

09/10/21

Site Name:	Client Name:
Sapp and Campbell Properties	AdvancedGeo, Inc.
Central Road	837 Shaw Road
Apple Valley, CA 92307	Stockton, CA 95215
EDR Inquiry # 6656975.4	Contact: Robert Loeffler

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Search Results:		*Coordinates:*	
P.O.#	21-6588	**Latitude:**	34.605254 34° 36' 19" North
Project:	Sapp and Campbell Properties	**Longitude:**	-117.16892 -117° 10' 8" West
		UTM Zone:	Zone 11 North
		UTM X Meters:	484512.10
		UTM Y Meters:	3829281.62
		Elevation:	3175.17' above sea level

Maps Provided:

2012
1993
1978
1970
1957
1934
1932

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



Apple Valley North
2012
7.5-minute, 24000



Turtle Valley
2012
7.5-minute, 24000

1993 Source Sheets



Apple Valley North
1993
7.5-minute, 24000
Aerial Photo Revised 1989



Turtle Valley
1993
7.5-minute, 24000
Aerial Photo Revised 1989

1978 Source Sheets

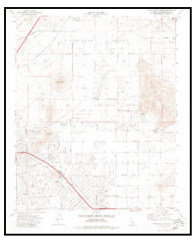


Apple Valley North
1978
7.5-minute, 24000
Aerial Photo Revised 1969

1970 Source Sheets



Turtle Valley
1970
7.5-minute, 24000
Aerial Photo Revised 1969



Apple Valley North
1970
7.5-minute, 24000
Aerial Photo Revised 1969

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1957 Source Sheets



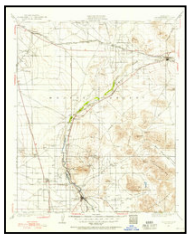
Apple Valley
1957
15-minute, 62500
Aerial Photo Revised 1952

1934 Source Sheets



Barstow
1934
30-minute, 125000

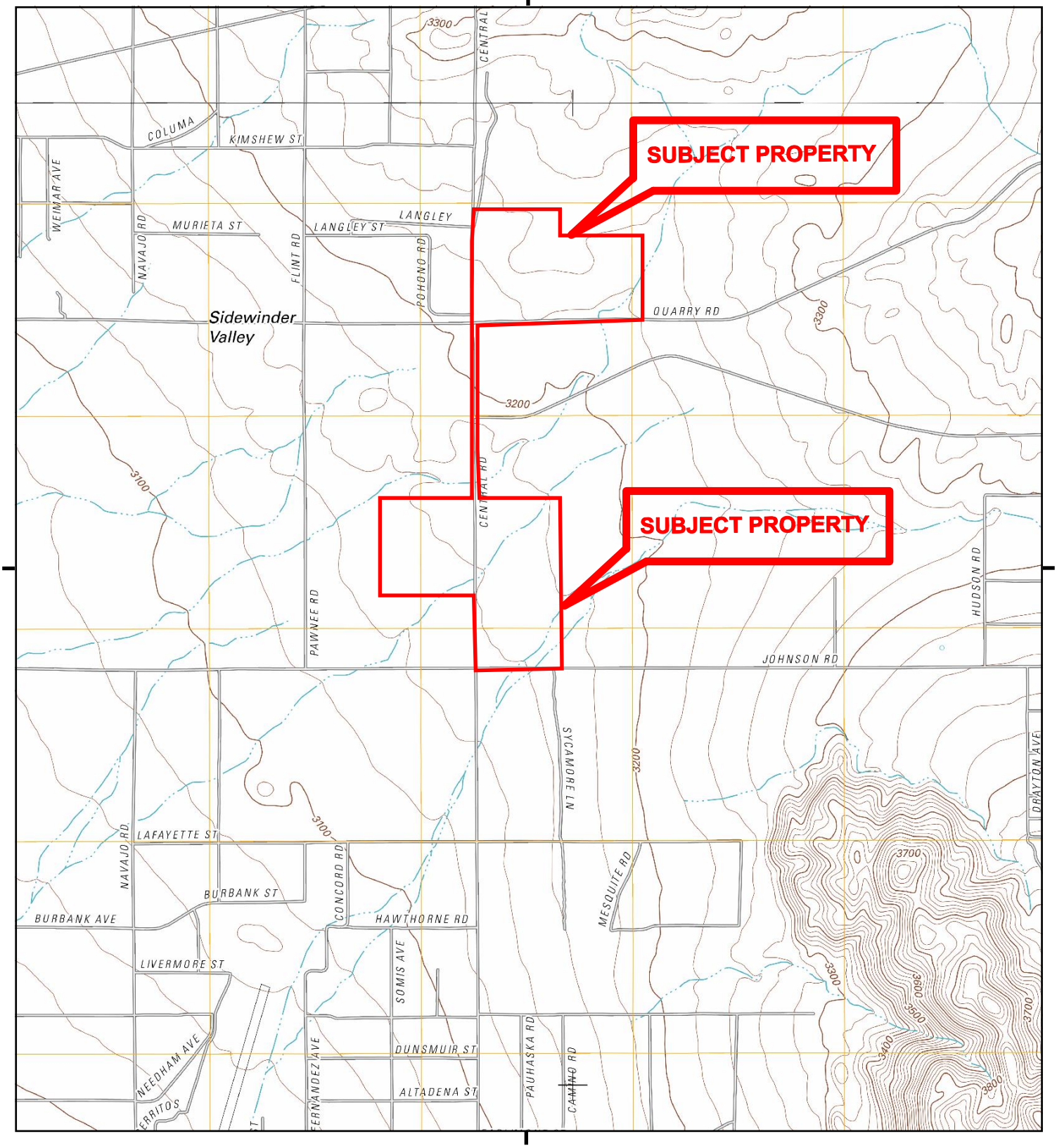
1932 Source Sheets



Barstow
1932
30-minute, 125000

Historical Topo Map

2012



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

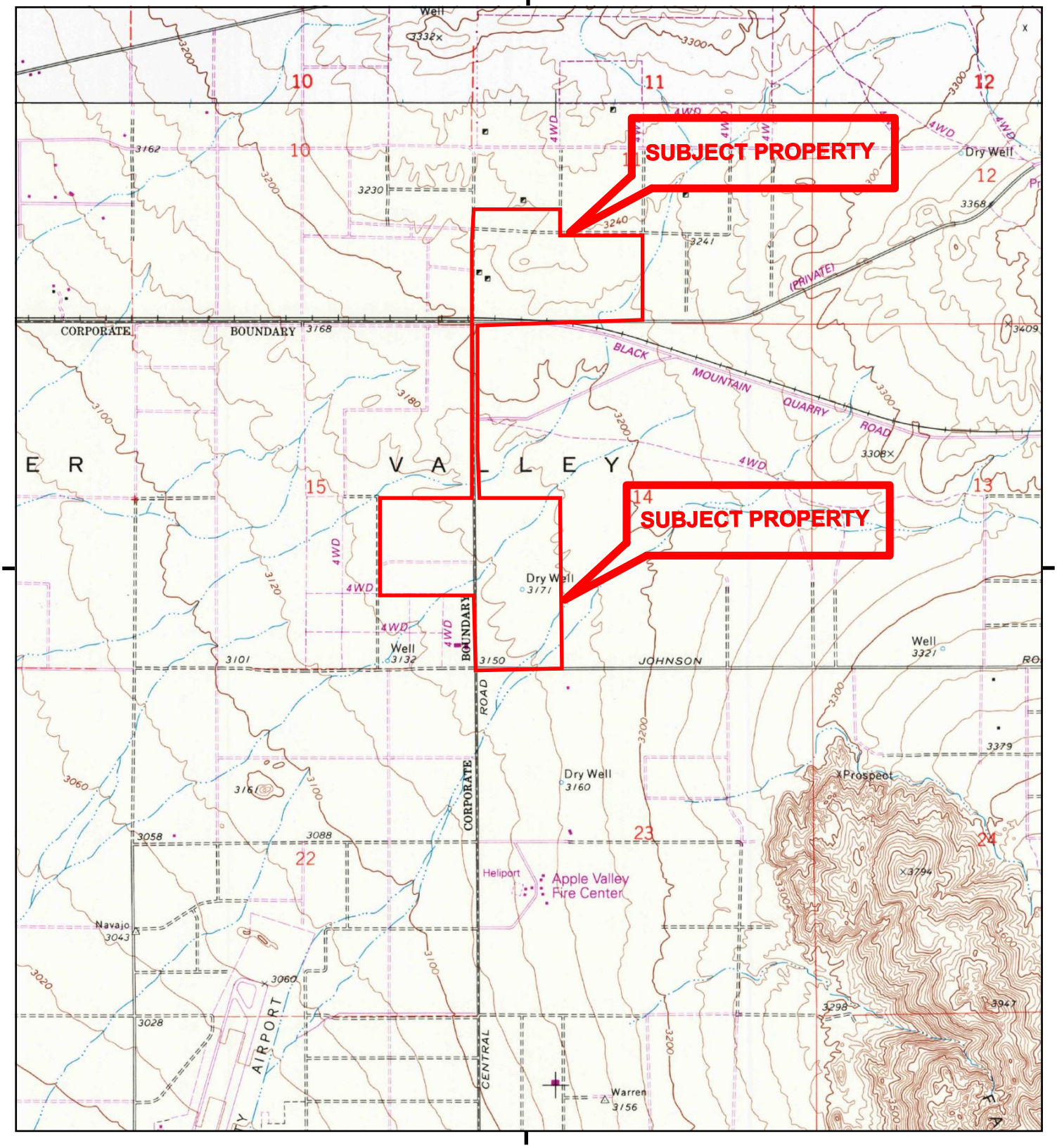
TP, Apple Valley North, 2012, 7.5-minute
N, Turtle Valley, 2012, 7.5-minute

SITE NAME: Sapp and Campbell Properties
ADDRESS: Central Road
Apple Valley, CA 92307
CLIENT: AdvancedGeo, Inc.

N

Historical Topo Map

1993



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

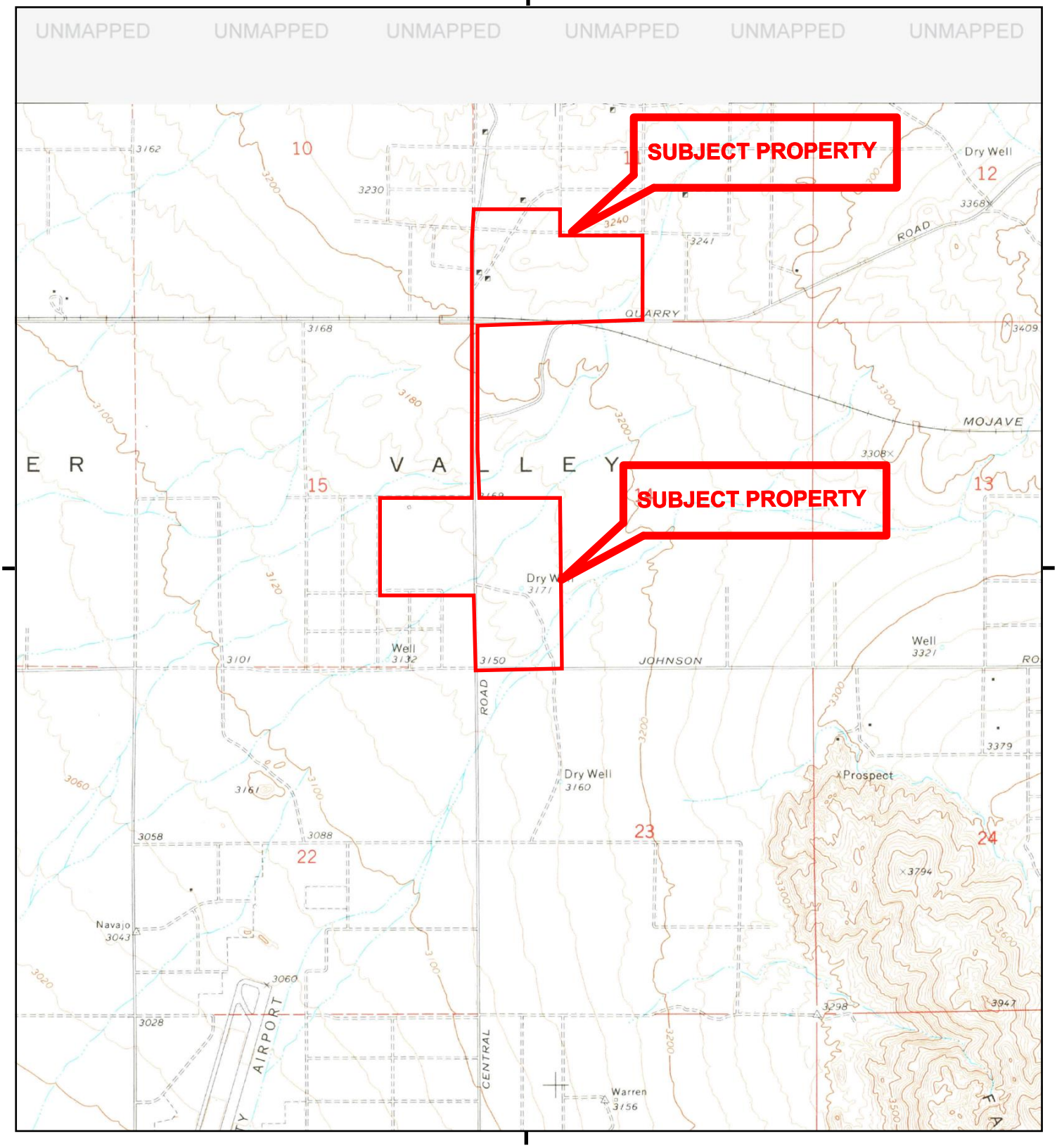
TP, Apple Valley North, 1993, 7.5-minute
N, Turtle Valley, 1993, 7.5-minute

SITE NAME: Sapp and Campbell Properties
ADDRESS: Central Road
Apple Valley, CA 92307
CLIENT: AdvancedGeo, Inc.

N

Historical Topo Map

1978



This report includes information from the following map sheet(s).

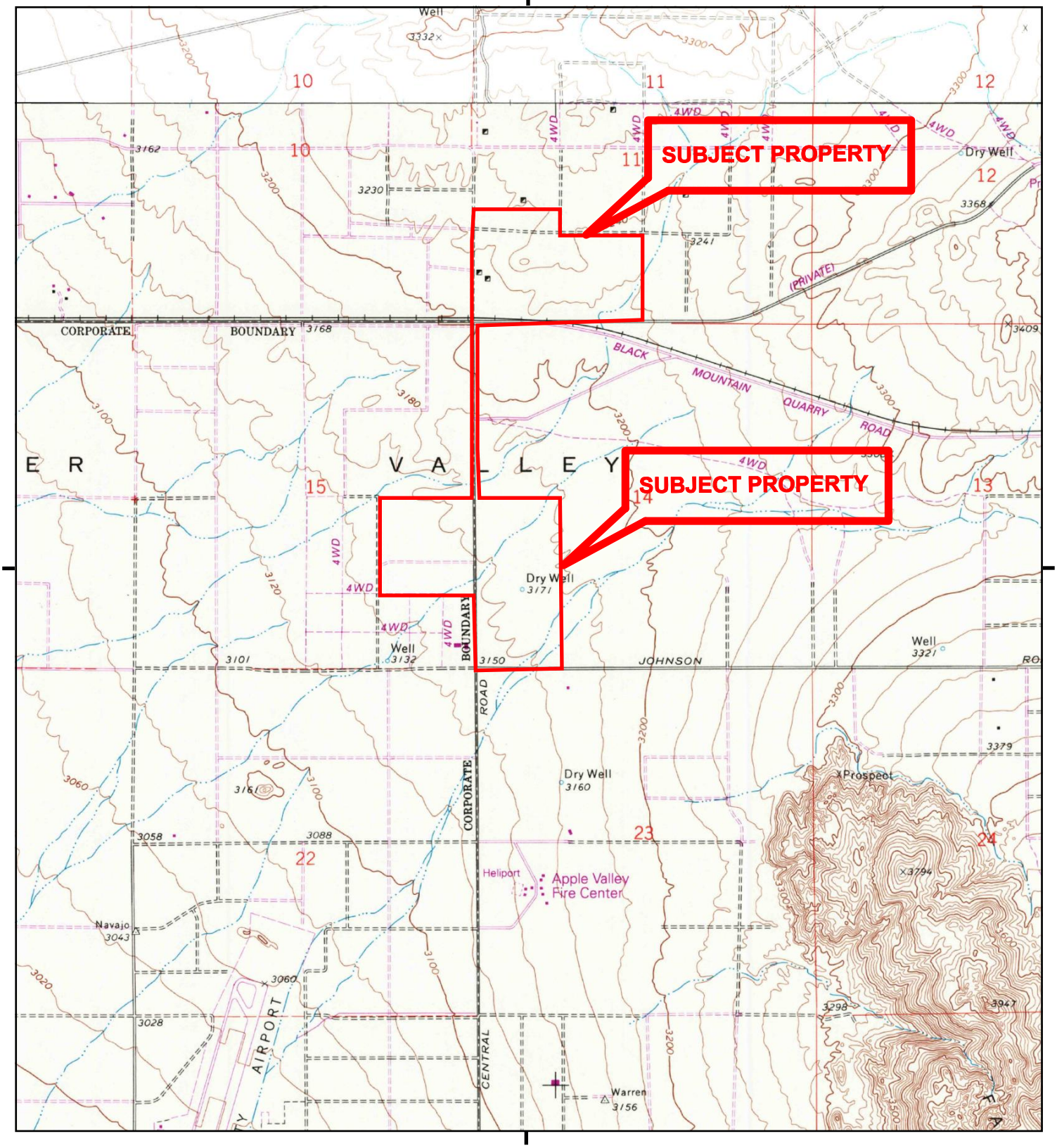
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Apple Valley North, 1978, 7.5-minute

SITE NAME: Sapp and Campbell Properties
ADDRESS: Central Road
Apple Valley, CA 92307
CLIENT: AdvancedGeo, Inc.

N



This report includes information from the following map sheet(s).

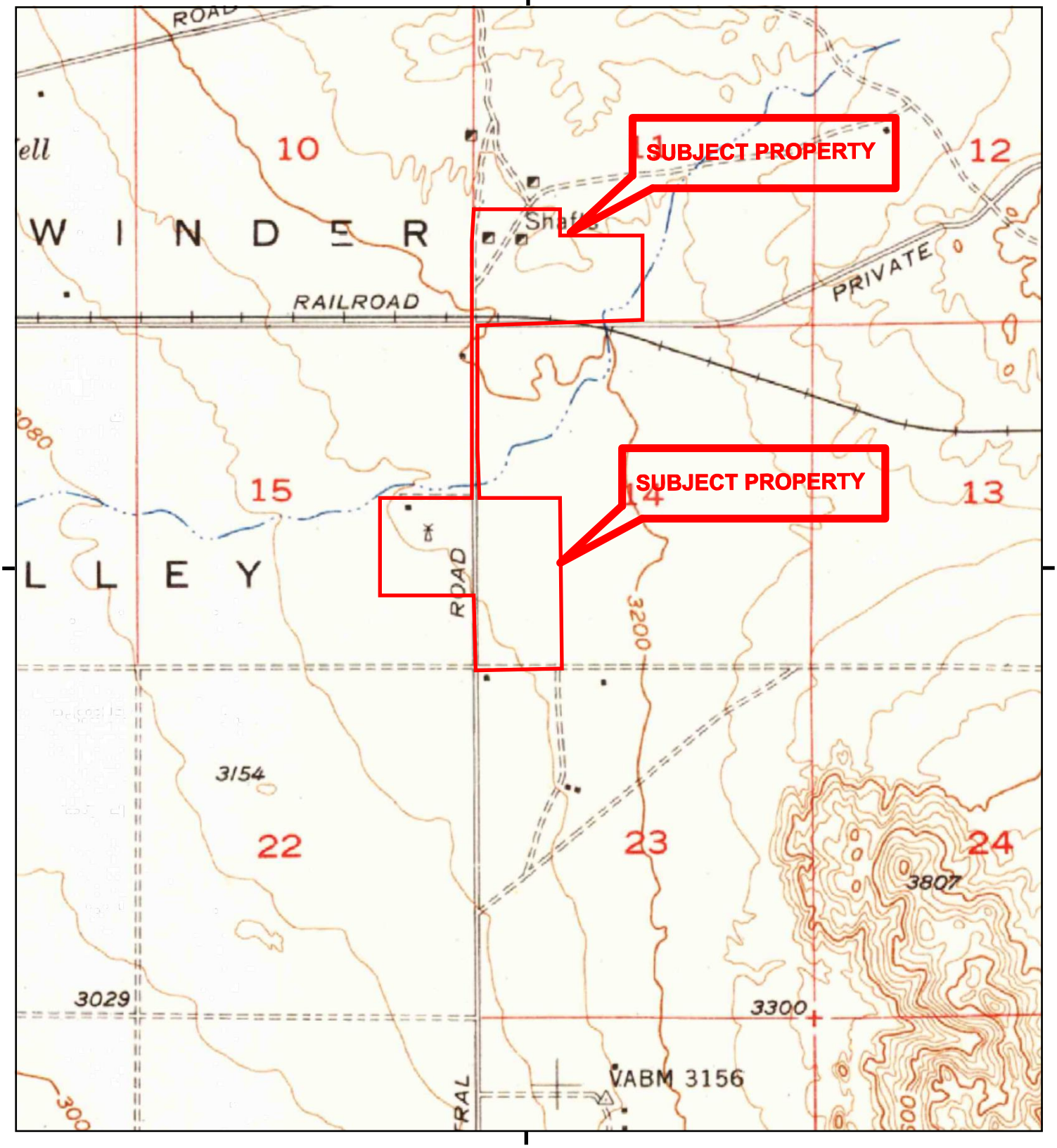
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Apple Valley North, 1970, 7.5-minute
N, Turtle Valley, 1970, 7.5-minute

SITE NAME: Sapp and Campbell Properties
ADDRESS: Central Road
Apple Valley, CA 92307
CLIENT: AdvancedGeo, Inc.

N



This report includes information from the following map sheet(s).

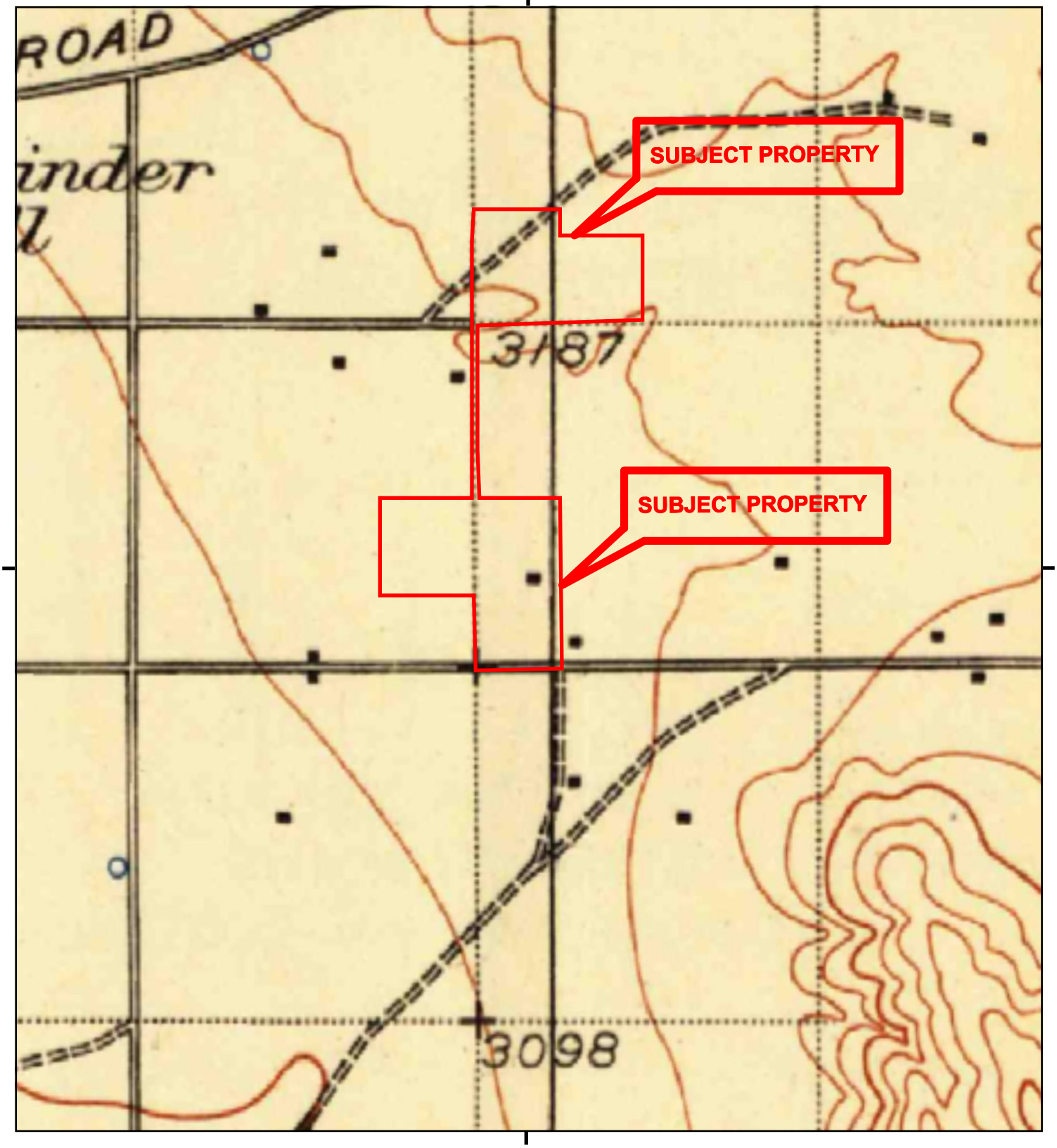
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Apple Valley, 1957, 15-minute

SITE NAME: Sapp and Campbell Properties
ADDRESS: Central Road
Apple Valley, CA 92307
CLIENT: AdvancedGeo, Inc.

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

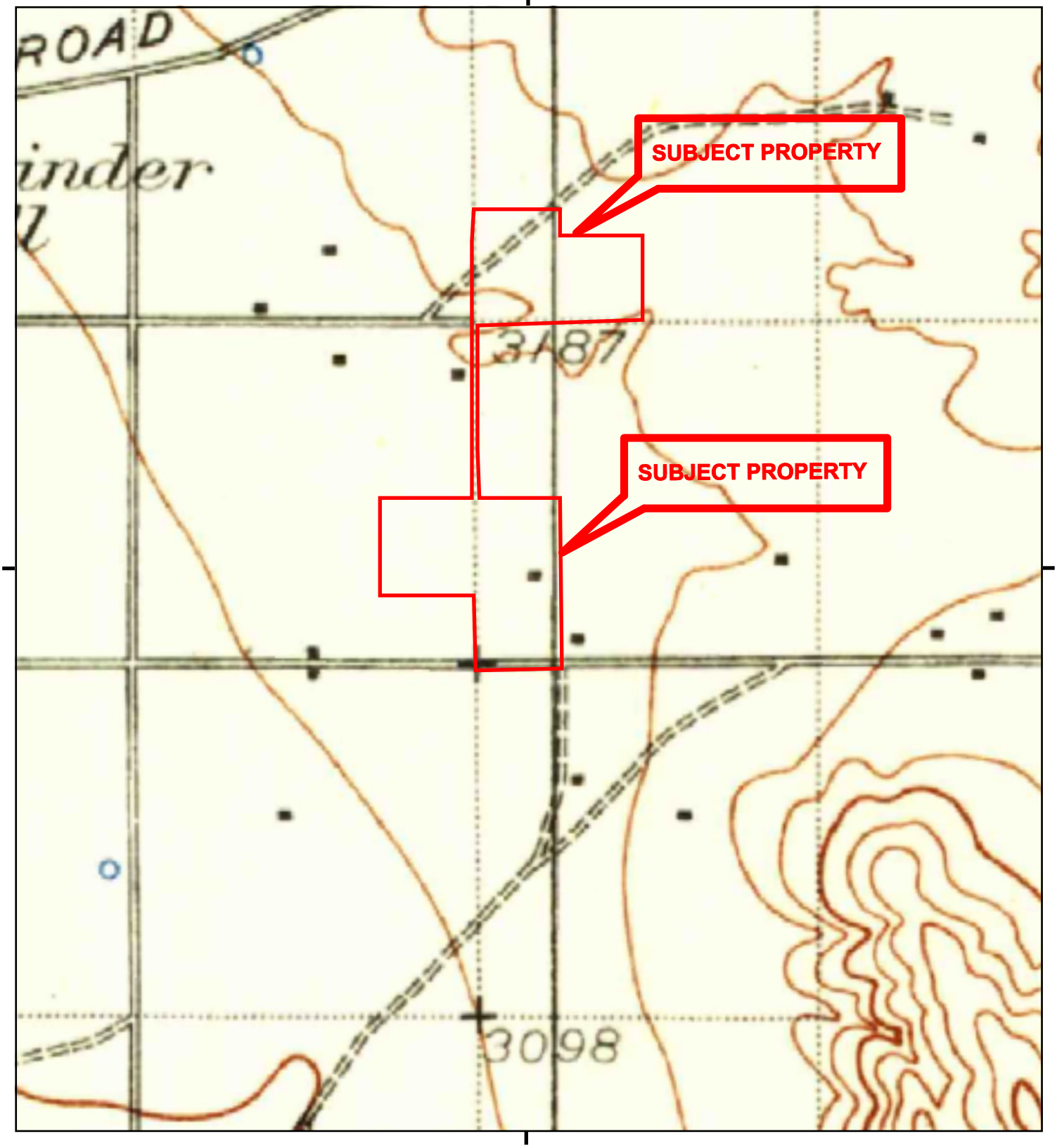
TP, Barstow, 1934, 30-minute

SITE NAME: Sapp and Campbell Properties
ADDRESS: Central Road
Apple Valley, CA 92307
CLIENT: AdvancedGeo, Inc.

N

Historical Topo Map

1932



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Barstow, 1932, 30-minute

SITE NAME: Sapp and Campbell Properties
ADDRESS: Central Road
Apple Valley, CA 92307
CLIENT: AdvancedGeo, Inc.

N

Sapp and Campbell Properties
Central Road
Apple Valley, CA 92307

Inquiry Number: 6656975.5
September 15, 2021

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
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

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by infoUSA®

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2017	☑	☑	EDR Digital Archive
2014	☑	☑	EDR Digital Archive
2010	☑	☑	EDR Digital Archive
2005	☑	☑	EDR Digital Archive
2000	☑	☑	EDR Digital Archive
1995	☑	☐	EDR Digital Archive
1992	☑	☐	EDR Digital Archive
1986	☑	☐	Haines Criss-Cross Directory
1980	☑	☐	Haines Criss-Cross Directory
1976	☑	☐	Haines Criss-Cross Directory
1971	☑	☐	Haines Criss-Cross Directory
1964	☑	☐	Luskey Brothers & Co. Publications

FINDINGS

TARGET PROPERTY STREET

Central Road
Apple Valley, CA 92307

Year	*CD Image*	*Source*	
CENTRAL RD			
2017	pg A2	EDR Digital Archive	
2014	pg A7	EDR Digital Archive	
2010	pg A13	EDR Digital Archive	
2005	pg A19	EDR Digital Archive	
2000	pg A24	EDR Digital Archive	
1995	-	EDR Digital Archive	Target and Adjoining not listed in Source
1995	pg A28	EDR Digital Archive	
1992	-	EDR Digital Archive	Target and Adjoining not listed in Source
1992	pg A31	EDR Digital Archive	
1986	pg A33	Haines Criss-Cross Directory	
1980	pg A34	Haines Criss-Cross Directory	
1976	pg A35	Haines Criss-Cross Directory	
1971	pg A36	Haines Criss-Cross Directory	
1964	pg A37	Luskey Brothers & Co. Publications	

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*	
JOHNSON RD			
2017	pg. A6	EDR Digital Archive	
2014	pg. A12	EDR Digital Archive	
2010	pg. A18	EDR Digital Archive	
2005	pg. A23	EDR Digital Archive	
2000	pg. A27	EDR Digital Archive	
1986	-	Haines Criss-Cross Directory	Street not listed in Source
1980	-	Haines Criss-Cross Directory	Street not listed in Source
1976	-	Haines Criss-Cross Directory	Street not listed in Source
1971	-	Haines Criss-Cross Directory	Street not listed in Source
1964	-	Luskey Brothers & Co. Publications	Street not listed in Source

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

CENTRAL RD 2017

8971	CHEN, SU C
8988	PRUITT, PATRICK F
9064	VAAGE, JON
9075	NEUMAN, JERRY D
9076	MORROW, JANICE
9126	CANCINO, ALBERT L
9182	WATERS, SARAH
9223	CLARK, CONNIE
9226	MONTGOMERY, THOMAS J
9272	MAZALIC, JAMES M
9363	STICKEL, ROBERT H
9376	CLARK, WILLIAM Z
9385	SALAZAR, MARCUS
9440	RINCON, SERGIO
9475	KENTZELL, STEVEN A
9549	GIL, JUAN M
9574	KAMINSKY, MICHAEL L
9576	NIX, PATTY F
9585	LINCOLN, GLENN A
9615	PULIDO, MARY A
9630	HOLLAND, BERNICE S
9642	RODRIGUEZ, MARCIO E
9715	LOFTON, NATHELIA J
9787	FOSS, MELISSA L
9830	KIRKPATRICK, GLEN S
9889	MOORE, LINDSEY P
9911	BOWEN, JEFFERY S
9926	NUNES, JOHN T
9960	TULK, WILLIAM H
9980	BEILSTEIN, SCOTT J
10020	DOEMNER, MICHAEL W
10040	MARTINEZ, MICHAELA M
10100	ORNELAS, JESUS
10176	ANDERSON, DOMINIC A
10566	BRAUN, CARLA C
10628	BERMUDENZ, ROSENDO
10676	MONTANTES, SERGIO J
10726	SHERRIER, THOMAS E
10775	NEUMAN, ED D
10881	FLETCHER, ANN J
10911	GRIEGO, VICTOR
11111	POSADA, EDMUND
11161	PERDOMO, JONATHAN C
11235	PENFOLD, DUANE R
12123	DESERT MARKET
12214	STARLING, CURLIE
12257	JOHNSON, JERRY
12270	AGUILAR, ERNESTO E
	BRADFORD, NICOLE
	MOSS, JEFFERY

CENTRAL RD 2017 (Cont'd)

12270 TYLER, VICTORIA
12332 CONNELLY, LORAINE L
COWAN, KATHARINE
MUELLER, CARL
RAMIREZ, CHEREE
VANNORSDELL, ERNESHIA
WILLIAMS, MARY A
12362 AGNEW, JERRY
12376 PIVARAL, CELSO H
12394 ALLRIDGE, WILFORD A
ALMAIDA, FARID
MEDINA, PATRICIA
WERT, MIRANDA M
12408 BOUYA, DAKOTA L
12426 SIMS, LYNDA B
TAHAAN, ZIAD
12440 GER, D
12456 HERNANDEZ, NICHOLAS W
MIELSON, KRISTIE
PEARSON, MARILYN
VLADIC, GARY
12509 HERCHELROATH, RICHARD N
12516 WAROWAY, DOLORES S
12530 SAMUELS, CAREN E
12546 HALL, AARON D
12555 SMILDEN, TIMOTHY A
12560 RAMIREZ, PEDRO A
12575 STEPHENSON, JEFF
12576 WEATHERSPOON, LU
12590 GARCIA, MARTIN F
12616 HUFFMAN, CARL E
12619 ARCINIEGA, DAVID R
12629 HOLT, WESLEY
12630 DESOTO, HEATHER
12646 LANDEROS, KENNY
12647 HARO, JESSE
12657 REBOLLAR, DELFINA
12676 TAYLOR, KARL W
12707 WILLIAMS, GERALD
12717 SPENCER, CORY
12727 PROTHERO, WILLIAM J
12737 PERRY, PATRICIA A
12747 BRYANT, CHARLES L
12757 MILLER, JACQULYN
12767 FERNANDEZ, DIANE M
12787 ROE, JARED
12821 GARDNER, SHANON
12831 PAYSON, REBECCA D
12841 GERGER, MICHAEL A
12920 RETHERFORD, JOHN

CENTRAL RD 2017 (Cont'd)

12935	NAZARENE CHURCH
	REV DAVE FOSHEE REV
	REV MARIO ALVARADO REV
	REV STEVE COBBS REV
	REV THOMAS W TAYLOR REVEREND
12968	TINAJERO, RAUL
13150	BECHTOLD, LARRY E
13157	JOHNSON, DAVID
	RODRIGUEZ, NICOLE
	WEBB, LISSA
	WOLF, KERRY
13177	DIAZ, JUAN R
13188	APPLE VALLEY SENIOR CITIZENS CLUB IN
13191	CRAWFORD, AUDREY H
13207	KELLEY, KEVIN L
13239	MUELLER, SALLIE K
13253	MAZONE, TOM G
13361	BLAIR, KENITH
	MESA, IMMANUEL
	SPENCER, RICHARD
	STEVENS, BRIAN
	TITUS, TAILOR
13409	MYLER, JEFF
13419	BENNETT, KAY S
	BROWN, DAMEAN
	CHEVERILLA, JOSHUA
	TILLMAN, TIANA
13437	DIAZ, ABRAHAM
13462	JRS TIRE SHOP
	JRS TRANSPORT & TOWING
13505	MOUNTAIN VIEW
13510	AMERICAN INTEGRITY CORP
	FENESTRAION FABRICATION
13605	MOUNTAIN VIEW LIQUOR
13608	MARTINEZ, ALFONSO T
14344	MUNOZ, BENJAMIN
14454	CABRALEZ, CARLOS F
14530	SCHMACHTENBERGER, JACOB A
14544	LANGFORD, JAMELLE M
14576	KRIGBAUM, ROBERT J
14590	HAWLEY, BOBBY J
14606	DURON, MARCOS C
14622	NEGRETE, JUAN A
14682	METHOT, PAUL R
14696	MIHUT, JEFFREY
14730	BRYSON, PETER R
14744	SKILES, TRISTAN
14776	ZENTNER, JAY A
14792	MORA, MARIA R
14806	HARRING, WILLIAM

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

CENTRAL RD 2017 (Cont'd)

14820 SMTIH, MATTHEW
14852 GOMEZ, ROBERTO
14860 HILDEBRANDT, MARK M
14920 TOSCANO, JAIME R
14952 DUNN, HAROLD L
15829 RIVERA, IRENE
16303 LEE, CATHERINE Y
16388 CRABTREE, VAL J
16492 HAND, JEANETTE
16519 WESTON, VIVIAN
16545 SMITH, JAMES R
16607 FERGUSON, HELENA
16625 SCOTT, DAVID A
16641 BURGHARDT, ALAN E
16661 GOURLAY, CURTIS M
16689 YONAMINE, SONNY Y
16703 DEKALAITA, CHRISITINA
16730 WILLIAMS, PATRICK E
16731 VEGA, EDUARDO
16798 DAVIDSON, ELAINE M
16816 HUTCHINSON, JUSTIN D
16819 CADAVIECO, NICOLAS X
16834 SANCHEZ, CYNTHIA G
16928 JONES, LOSETTA
MONTOYA, JUVENTINO
MOORE, RACHEL L
RAMOS, VICTOR M
16976 TURPEN, CALVIN L
16988 WILLOW, ANDREA L
17000 HAIZLIP, EULUS G
17092 CHRISTIANSON, RYAN C
17139 HOLLENBECK, BRUCE K
17192 TUCKER, HILLARD B
17210 LOPEZ, ANDRES
17347 RUCKER, BRIAN K
17367 NOLAN, WILLIAM F
17389 KILBURG, JAMES E
17461 FAY, EDWARD W
17525 SALAS, CASIE
19378 MACHINE REPAIR INTERNATIONAL

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

JOHNSON RD 2017

21101 PROPAK LOGISTICS
WALMART

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

CENTRAL RD 2014

8929	COATS, DOUGLAS J
8971	CHEN, SU C
8988	PRUITT, PATRICK F
8989	VALENTINE, MARIAN
9026	LYON, GENEVIEVE
9064	VAAGE, JON
9075	NEUMAN, JERRY D
9076	MORROW, JANICE
9126	OCCUPANT UNKNOWN,
9182	WATERS, SARAH
9223	CLARK, CONNIE
9226	MONTGOMERY, THOMAS J
9272	OCCUPANT UNKNOWN,
	RENN CONSTRUCTION INC
9363	STICKEL, ROBERT H
9376	CLARK, WILLIAM Z
9385	WARNOCK, STEPHEN
9425	MAZZOLA, MICHAEL J
9440	RINCON, SERGIO
9475	KENTZELL, STEVEN A
9549	GIL, JUAN M
9574	KAMINSKY, MICHAEL L
9576	NIX, CURTIS N
9585	LINCOLN, GLENN A
9615	OCCUPANT UNKNOWN,
9630	HOLLAND, DANIEL
9642	RODRIGUEZ, MARCIO E
9715	VALERIE, DAVID T
9787	FOSS, MELISSA L
9788	BATES, HERMAN L
9830	KIRKPATRICK, GLEN S
9838	OCCUPANT UNKNOWN,
9839	OSWALD, ARDEN D
9909	KAPPIUS, ADINA B
9911	WINELAND, ADINA B
9926	NUNES, JOHN T
9960	TULK, WILLIAM H
9971	LEVAN, LITA C
9980	BEILSTEIN, SCOTT J
10020	DOEMNER, MICHAEL W
10040	MARTINEZ, MICHAELA M
10100	STATES, CHARLES
10176	LATIMER, DARLENE
10566	EDLAUER, GERHARD
10628	OCCUPANT UNKNOWN,
10676	MONTANTES, SERGIO J
10726	SHERRIER, THOMAS E
10775	NEUMAN, ED D
10833	OCCUPANT UNKNOWN,
10881	FLETCHER, ANN J

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

CENTRAL RD 2014 (Cont'd)

10911	GRIEGO, VICTOR
10975	POLITO, ROSE M
11111	POSADA, EDMUND
11161	GREER, BALLARD J
11235	PENFOLD, DUANE R
12121	CENTRAL $8 HAIR CUTS
12123	DESERT MARKET NO 2
12214	HODGE, LEOLA
12257	MOORE, DWAIN
12270	BLAIR, ROBERT
	BRADFORD, NICOLE
	HARR, MICHAEL S
	LAUFER, SHAWN D
	MOSS, JEFFERY
	TYLER, LILLIE
	TYLER-JONES, VICTORIA
12332	CONNEY, LORAINE L
	COWAN, KATHARINE
	HECTOR, JODIE M
	MUELLER, CARL
	RAMIREZ, CHEREE
	RUSSELL, ARDISIA A
	STUMBAUGH, JAMES
	VANNORSDELL, ERNESHIA
	WILLIAMS, MARY A
12346	OCCUPANT UNKNOWN,
12362	OCCUPANT UNKNOWN,
12376	RUIZ, ADRIAN
12394	ALMAIDA, FARID
	EWING, SONJA R
	MENDOZA, DANNY L
	MORALES, ALEJANDRO
	WERT, MIRANDA
12408	BOUYA, DAKOTA L
12426	BONAVISO, STEPHANIE
	LLOYD, HAROLD
	MCANULTY, TAMMY
	TAHAAN, ZIAD
	WILLIAMS, ROBERT
12440	FLAMINGO LANDSCAPING
	GER, D
12456	VLADIC, GARY
12509	HERCHELROATH, RICHARD N
12515	MOYA, DEISY
12530	JONES, HOWARD F
12546	HALL, KEVIN D
12555	SMILDEN, TIMOTHY A
12560	RAMIREZ, PEDRO A
12575	STEPHENSON, JEFF
12576	WEATHERSPOON, LU

CENTRAL RD 2014 (Cont'd)

12590 BRYANT, RANDEL G
12616 TOWNSEND, ANNA J
12619 ARCINIEGA, DAVID R
12629 GASTELUM, JESUS
HOLT, WESLEY
12630 DESOTO, HEATHER
12646 RIAS, ELOSIA
12647 HARO, JESSE
12657 REBOLLAR, DELFINA
12660 GARAY, ALBERTO
12673 OCCUPANT UNKNOWN,
12676 OCCUPANT UNKNOWN,
12707 GASCA, FERNANDO B
12717 SPENCER, CORY
12727 PROTHERO, WILLIAM J
12737 PERRY, PATRICIA A
12747 MIRANDA, AURORA
12757 SMITH, HARVEY J
12767 FERNANDEZ, DIANE M
12787 ROE, JARED
12797 OCCUPANT UNKNOWN,
12831 PAYSON, REBECCA D
12841 GERGER, MICHAEL A
12920 RETHERFORD, JOHN
12935 ALVARADO MARIO REV
CHURCH OF THE NAZARENE
CHURCH OF THE NAZARENE OF APPLE VALL
COBBS STEVE REV
FOSHEE DAVE REV
TAYLOR THOMAS W REV
12968 TINAJERO, RAUL
13150 BECHTOLD, LARRY E
13157 KELLEY, CHRISTOPHER A
13177 DIAZ, JUAN R
13188 APPLE VALLEY SENIOR CITIZENS CLUB IN
13191 CRAWFORD, AUDREY H
13207 KELLEY, KEVIN L
13239 MUELLER, SALLIE K
13253 VERES, CHRISTOPHER
13361 BLAIR, KENITH
STEVENS, BRIAN
TITUS, TAILOR
13373 CASIAN, GUADALUPE L
13409 MYLER, JEFF
13419 BENNETT, KAY S
BROWN, DAMEAN
BROWNING, JAMES
CHEVERILLA, JOSHUA
GAYTAN, HERIBERTO
KELLY, JERRY D

CENTRAL RD 2014 (Cont'd)

13419 SHINE, SHAREECS
13437 DIAZ, ABRAHAM
13453 VELAZQUEZ, FIDENCIO P
13462 FULL SERVICE AUTOMOTIVE
JRS TIRE SHOP 5
JRS TRANSPORT & TOWING
13469 OCCUPANT UNKNOWN,
13505 MOUNTAIN VIEW
13510 AMERICAN INTEGRITY CORP
13608 MARTINEZ, ALFONSO T
14344 CASTERLINE, MICHELLE
MUNOZ, BENJAMIN
14454 CABRALEZ, CARLOS F
14460 ARMENTA, MONIQUE
14530 PUCKET, HANNAH D
14544 LANGFORD, JAMELLE M
14576 BRASIL, JOHN F
14590 HAWLEY, BOBBY J
14606 DURON, MARCOS C
14622 OCCUPANT UNKNOWN,
14638 VILLA, KANDI
14682 METHOT, PAUL R
14696 MIHUT, JEFFREY
14714 STOVALL, BRISON L
14730 BRYSON, PETER R
14744 SKILES, TRISTAN
14760 BIGGIE, MICHELLE A
14766 ALVIS, KEITH
14776 ZENTNER, JAY A
14792 AGUILA, ADRIANA
14806 OCCUPANT UNKNOWN,
14820 SINCLAIR, MIKE
14852 OCCUPANT UNKNOWN,
14860 HILDEBRANDT, MARK M
14920 UMANCOR, RUBY
14936 ORTIZ, RAMON
14952 DUNN, HAROLD L
14966 GONZALEZ, JUAN C
15829 OCCUPANT UNKNOWN,
15835 MCQUINN, CHAD
16303 LEE, SI J
16306 NEWCOMB, VIVIAN A
16388 CRABTREE, VAL J
16492 PAYNE, HOUSTON D
16519 WESTON, VIVIAN
16545 SMITH, JAMES R
16607 CONFER, TIMOTHY L
16625 SCOTT, SHERI L
16641 BURGHARDT, ALAN E
16661 GOURLAY, CURTIS M

CENTRAL RD 2014 (Cont'd)

16689 YONAMINE, SONNY Y
16703 OCCUPANT UNKNOWN,
16715 HUFFMAN, WAYNE C
16730 WILLIAMS, HOLLY M
16731 OCCUPANT UNKNOWN,
16798 DAVIDSON, ELAINE M
16805 COOPER, KELEIGH J
16816 BUTTS, DEAN
16819 ABOLNIK, KEITH E
16834 SANCHEZ, MOSES D
16920 OCCUPANT UNKNOWN,
16928 AHMED, ALMAS H
JONES, LOSETTA
16976 OCCUPANT UNKNOWN,
16988 WILLOW, ANDREA L
17000 HAIZLIP, EULUS G
17092 CHRISTIANSON, CHUCK I
17139 HOLLENBECK, BRUCE K
17192 TUCKER, HILLARD B
17210 LOPEZ, SANDRO
17347 SINCLAIR, JASON
17389 KILBURG, JAMES E
17461 OCCUPANT UNKNOWN,
17525 OCCUPANT UNKNOWN,
17805 WOLF, DAVID L

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

JOHNSON RD 2014

21101 JACKSON, ARIKO K
WALMART
22727 GRAHAM, WAYNE S

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

CENTRAL RD 2010

8929 COATS, DOUGLAS J
8971 KAREOTES, TULA
8989 VALENTINE, MARIAN
9026 LYON, GENEVIEVE
9064 OCCUPANT UNKNOWN,
9075 MCKEOWN, DANIEL J
ON SITE HOME INSPECTION SVC
9076 MORROW, J
9126 MATTA, ISABEL
9175 PIERCE, EDWARD
9176 SORCI, CINDY A
9182 GAMBLE, DENNIS J
9223 CLARK, CONNIE
9226 MONTGOMERY, THOMAS J
9272 RENN, GREGORY R
9326 FULL STEAM AHEAD CARPET CLEAN
9363 BEHNKE, GLEN
9376 CLARK, WILLIAM Z
9385 OCCUPANT UNKNOWN,
9425 MAZZOLA, MICHAEL J
9440 RINCON, SERGIO
9475 KENTZELL, STEVEN A
9549 HESTER, THOMAS
9574 OCCUPANT UNKNOWN,
9576 NIX, CURTIS N
9585 LINCOLN, GLENN A
9615 SEATON, SHIRLEY
9630 HOLLAND, KEN J
9642 CONDON, SHANNON
9715 POWERS, JEREMY
9787 FOSS, MELISSA L
9788 OCCUPANT UNKNOWN,
9830 OCCUPANT UNKNOWN,
9838 OCCUPANT UNKNOWN,
9839 OSWALD, ARDEN D
9846 OCCUPANT UNKNOWN,
9889 KELLOGG, ZANE L
9909 WINELAND, GEORGE L
9911 WINELAND, G L
9926 NUNES, LAURA J
9960 TULK, WILLIAM H
9971 LEVAN, LITA C
9980 BEILSTEIN, SCOTT J
10020 DOEMNER, MICHAEL W
10040 OCCUPANT UNKNOWN,
10100 STATES, CHARLES
10176 RUEDA, HARRY
10566 EDLAUER, GERHARD
10628 FLEMING, KIMBERLEY
10676 MONTANES, SERGIO J

CENTRAL RD 2010 (Cont'd)

10726 LARIOS, VICTORIA
10775 CAMERON, ELDREN N
10881 FLETCHER, ANN J
10911 STAHL, CHRISTY R
11025 OCCUPANT UNKNOWN,
11085 VICTOR VALLEY ALANO CLUB INC
11111 POSADA, EDMUND
11161 GREER, BALLARD J
11235 PENFOLD, DUANE R
12121 CENTRAL 8 HAIR CUTS
12123 DESERT MARKET
12205 ALLFENCE
APPLE VALLEY HEATING & AC
12214 HODGE, LEOLA
12257 RUSSELL, BILL W
12270 BOHN, OLIVE N
JENKINS, L J
PARKER, HARRY P
STRAUSE, WINDY D
12332 CONNELLY, LORAINE L
CROWE, RONALD A
EDWARDS, TITIA
JOHNS, JENNIFER J
ORELLANA, DAVID
WIERZBINSKI, STEPHEN J
WILLIAMS, MARY A
12346 ANTONUCCI, ANGELINA K
12362 OCCUPANT UNKNOWN,
12376 SALGADO, ROMAN
12394 BENETATOS, NICK
JAIMES, RUBEN
SELF, SCOTT L
VANNORSDELL, ERNESHIA
12426 LOPEZ, HEBER
PADILLA, JULIA
12456 AGUILAR, JASMINE
GIBSON, KEITH
JAIMES, JUDY
RODGERS, AMALIA
STONE, C
12509 HERCHELROATH, RICHARD N
12515 HEREDIA, SANDRA M
12516 WAROWAY, DOLORES S
12530 KYPREOS, WILLIAM
12546 HALL, KEVIN D
12555 SMILDEN, TIMOTHY A
12560 RAMIREZ, PEDRO A
12575 CASTRO, LILHA R
12576 WEATHERSPOOM, LUDEEL H
12590 BRYANT, RANDEL G

CENTRAL RD 2010 (Cont'd)

12616 HUFFMAN, CARL E
12619 ARCINIEGA, DAVID R
12629 DEOBALDIA, JORGE A
12630 SASSENBERGER, ADAM E
12646 BOTHMANN, JAMES L
12647 KRAMER, ALEXANDER F
12657 REBOLLAR, DELFINA
12660 WATSON, LACIE
12673 JACOBS, ROBERT A
12676 KELLEY, PAUL S
12707 MAMMANO, PAUL E
12717 SPENCER, CORY
12727 PROTHERO, WILLIAM J
12737 PERRY, PATRICIA
12757 THOMPSON, HERSHELL J
12767 JENSON, DIANE
12787 ROE, JARED
12797 OCCUPANT UNKNOWN,
12821 OCCUPANT UNKNOWN,
12831 GIAIMO, CHRIS
12841 OCCUPANT UNKNOWN,
12920 RETHERFORD, LYN E
12935 DESERT SPRINGS SCHOOLS
12968 OCCUPANT UNKNOWN,
13150 BECHTOLD, LARRY E
13157 PADILLA, JULIA
SANCHEZ, DANIEL
13177 DIAZ, JUAN R
13188 APPLE VALLEY SENIOR CITIZENS
13191 ARMSTRONG, WELLINGTON W
13207 KELLEY, KEVIN L
13239 CARTER, ROBERT D
13266 OCCUPANT UNKNOWN,
13361 ANGELL, HEATHER
DONLEY, DANIELLE
NEMINSKI, JOHN
13373 ALVARADO, FREDDY A
13409 OCCUPANT UNKNOWN,
13419 BROWN, DAMEAN
LOPEZ, MAGNOLIA
NEAL, JENNIFER
PIEDRA, KEVIN
SANTOS, NOEMI
SMITH, BENNETT K
13437 DIAZ, ABRAHAM
13453 VELAZQUEZ, FIDENCIO P
13462 HOFFMANS GOLF CARTS & MOBILE
JEFFERIES OFF ROAD
OCCUPANT UNKNOWN,
13469 JENNINGS, KEN D

CENTRAL RD 2010 (Cont'd)

13505 MOUNTAIN VIEW
13608 OCCUPANT UNKNOWN,
14344 CASTERLINE, MICHELLE
14454 CABRALEZ, CARLOS F
14530 CAMACHO, LORENZO R
14544 LANGFORD, CONNIE E
14576 BRASIL, JOHN F
14590 HAWLEY, BOBBY J
14606 DURON, MARCOS C
14622 NEGRETE, JUAN A
14638 AVILA, SALVADOR M
14682 METHOT, PAUL R
14696 ABDULMALIK, MARIA A
14714 STOVALL, BRISON L
14730 BRYSON, PETER R
14744 PEREZ, FRANCES Z
14760 OCCUPANT UNKNOWN,
14776 ARIZPE, JAMES
14792 CHAVEZ, VICTOR F
14820 RUSSELL, MARIE
14852 GOMEZ, RICARDO
14860 HILDEBRANDT, MARK M
14920 ALVIZURES, RAMIRO
14936 ORTIZ, TRINI
14952 DUNN, HAROLD L
14966 GONZALEZ, ALBERTA
15835 LARA, JOSE A
16303 LEE, SI J
16306 NEWCOMB, VIVIAN A
16388 CRABTREE, VAL J
16492 PAYNE, HOUSTON
16519 SCHEE, REBECCA
16545 SMITH, LORI L
16607 FELDMAN, DANIEL B
16625 DENNEN, JENNIFER A
16641 BURGHARDT, ALAN B
16675 BRENDEL, GREG A
16689 YONAMINE, KATHY L
16703 OCCUPANT UNKNOWN,
16715 HUFFMAN, WAYNE C
16730 HANNAH, ZEBEHERIAN Z
16731 URQUILLA, WALTER N
16798 DAVIDSON, LEROY
16805 WALLING, ERIKA
16816 SCHILLING, PAT M
16819 ABOLNIK, KEITH E
16928 OLSON, MARK S
RUEFF, J
WHITE, JOHN
16976 OCCUPANT UNKNOWN,

CENTRAL RD 2010 (Cont'd)

16988 OCCUPANT UNKNOWN,
17000 HAIZLIP, EULUS G
17092 CHRISTIANSON, CHUCK I
17139 HOLLENBECK, BRUCE K
17192 TUCKER, HILLARD B
17210 NAVARRO, FRANCES
17347 SINCLAIR, JASON
17367 NOLAN, WILLIAM F
17389 KILBURG, JAMES E
17461 FAY, EDWARD W
17525 OCCUPANT UNKNOWN,
17805 WOLF, DAVID L
18809 CHUMLEY, ROBERT
19322 OCCUPANT UNKNOWN,
19378 ENVIRONMENTAL RECOVERY CORP

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

JOHNSON RD 2010

19828 BLACK, LACHANTEL
21101 CHON CAFE
SCOTT, DIANA L
WALMART DISTRIBUTION CTR
22727 OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

CENTRAL RD 2005

8929	COATS, CAROL J
8988	NULL, GARY L
8989	VALENTINE, MARIAN
9025	STRANG, RICHARD W
9026	LYON, GENEVIEVE
9064	THOMAS, DAVID S
9075	KEOPPEL, NANCY J
9076	MORROW, J
9126	MATTA, ISABEL
9175	PIERCE, EDWARD
9176	GAMBLE, DERMOT P
9182	GAMBLE, DENNIS J
9223	CLARK, CONNIE
9226	MONTGOMERY, THOMAS J
9229	OCCUPANT UNKNOWN,
9272	RENN CONSTRUCTION INC
	RENN, GREGORY R
9385	BIRRELL, SUSAN L
9425	MAZZOLA, MICHAEL J
9440	HORNBACK, KELLY
9549	HESTER, THOMAS
9574	TEAS, PAT B
9585	LINCOLN, GLENN A
9615	THOMAS, CHRIS A
9630	HOLLAND, KENNETH J
9642	CONDON, SHANNON
9838	WHALEY, MITCHELL E
9839	OSWALD, ARDEN D
9889	KELLOGG, ZANE L
9909	TARGET MOTOR SPORTS
	WINELAND, GEORGE L
9911	DELTA ASSOCIATES
	WINELAND, LYNN L
9926	NUNES, LAURA J
9960	TULK, WILLIAM H
9971	LEVAN, GRACE
9980	BEILSTEIN, SCOTT J
10020	GUZMAN, GLORIA
10040	JOHNSON, PAMELA J
10100	BEDELL, SHERRY
10176	RUEDA, RICHARD J
10566	EDLAUER, GERHARD
10775	CAMERON, ELDREN N
10881	FLETCHER, ANN J
11025	ATEN, ARLIE O
11111	POSADA, EDMUND
11235	PENFOLD, DUANE R
12203	SERRANO, ALEJANDRO
12205	BLUE, W
	STAFFORD, MALCOLM E

CENTRAL RD 2005 (Cont'd)

12270	BOGGS, J
	BOHN, OLIVE N
	BRADFORD, NICOLE
	HARR, MICHAEL
	JONES, ADAM L
	LIVELY, MELODY
	MONIAK, RICHARD M
	SANFORD, CHARLES
	VIRTUDES, J
	WORKMAN, BRIAN
12332	CROWE, RONALD A
	SIMMONS, HARRY
	WATERS, SHARON K
12362	SALAZAR, ELIZABETH F
12376	FRIEDMAN, CAROLYN C
12394	BORGES, SHIRLEY L
	CARDIEL, CAROLINA
	GILREATH, CYNTHNIA
	GRIEGO, E
	NELSON, TRENA R
12426	BARDSLEY, W
	DELGATTO, DEBORAH J
	KELLER, BRANDY A
	STEMEN, FRANK J
12456	DAVIS, GLEN M
	POTTS, PATRICK L
	RODGERS, AMALIA
12509	RODRIGUEZ, PERLA Z
12515	MASTERS, SHAWN
12516	WAROWAY, DOLORES S
12530	OCCUPANT UNKNOWN,
12555	SMILDEN, TIMOTHY A
12560	RAMIREZ, PEDRO A
12575	SKINNER, BENJAMIN A
12576	MINER, LAURICE E
12590	BRYANT, RANDEL G
12616	TOWNSEND, ANNA J
12619	ARCINIEGA, DAVID R
12629	OCCUPANT UNKNOWN,
12630	DONALD, R
12646	BOTHMANN, JAMES L
12647	WALLEN, BRENDA M
12660	WATSON, LACIE
12676	KELLEY, PAUL S
12707	MAMMANO, PAUL E
12737	PROTHERO, WILLIAM J
12757	THOMPSON, HERSHELL J
12821	DOYLE, JENNIFER
12831	CLAY BELLA CERAMICS E GIFTS
	MCGLOTHLIN, DIANA L

CENTRAL RD 2005 (Cont'd)

12841 OCCUPANT UNKNOWN,
12920 RETHERFORD, LYN E
12935 APPLE VALLEY CHURCH OF THE NAZARENE
CHURCH OF THE NAZERAN OF APPLE VALLE
TAYLOR THOMAS W REV
13150 OCCUPANT UNKNOWN,
13157 KELLEY, ANTIONETTE
SANCHEZ, DANIEL
13177 DIAZ, JUAN R
13191 OCCUPANT UNKNOWN,
13207 KELLEY, KEVIN L
13239 WILLIAMS, RODRICK
13253 JACKSON, JOSEPHINE
13266 OCCUPANT UNKNOWN,
13361 ANGELL, HEATHER
LYON, JERRY
NEMINSKI, JOHM
REZAEI, MIKE
WALKER, GENE
13409 DELGADO, ANTHONY R
13419 GARCIA, JOSE A
HARDY, LACHANDA M
LEMON, STACY
MEJIA, JUANA
PARRILLA, A
RUIZ, BARTOLO G
SOTO, TONIA
13437 DIAZ, ABRAHAM
13453 BRUMLEY, GEORGE
13505 MOUNTAIN VIEW LIQUOR INC
13605 APPLE VALLEY ADULT DAY CARE
DVDS & MORE
MOUNTAIN VIEW LIQUOR & MARKET
13608 OCCUPANT UNKNOWN,
14344 WHITE, JEROME L
14454 OCCUPANT UNKNOWN,
14530 WELDON, MICHAEL A
14544 WELLS, KEVIN A
14576 WALTERS, TARA N
14590 OCCUPANT UNKNOWN,
14606 DURON, MARCOS C
14622 NEGRETE, JUAN A
14638 AVILA, SALVADOR M
14682 METHOT, PAUL R
14696 ABDULMALIK, MARIA A
14714 STOVALL, BRISON L
14730 BRYSON, PETER R
14744 PEREZ, FRANCES Z
14760 BIGGIE, MICHELLE A
14776 ALVIS, KEITH L

CENTRAL RD 2005 (Cont'd)

14792 CHAVEZ, VICTOR M
14806 ROMERO, FERNIE
14820 MYER, FRED W
14852 KELLY, DEVONE L
14860 HILDEBRANDT, MARK M
14920 WEAVER, DENNIS P
14952 DUNN, HAROLD L
15835 PINEDA, MARIA
16303 NEWCOMB, VIVIAN A
PEACH BLOSSOM GARDENS
16492 OCCUPANT UNKNOWN,
16545 SMITH, JAMES R
16607 FELDMAN, DANIEL B
16625 TUTTLE, MARCI
16641 BURGHARDT, ALAN B
16661 CLARK, DANIELLE
16675 BRENDEL, GREG A
16689 YONAMINE, PETER S
16703 NEAL, AUDREY L
16715 HUFFMAN, WAYNE C
16730 HAPPS, CHRISTOPHER J
16731 OCCUPANT UNKNOWN,
16798 DAVIDSON, CALVIN L
16805 HAISTON, NICHOLAS J
16816 SCHILLING, CHARLES E
16819 ABOLNIK, KEITH E
16834 SANCHEZ, MOSES D
16928 DANIELS, ZOLITA V
DOLAN, MICHAEL J
OLSON, MARK S
17000 HAIZLIP, BUD
17092 CHRISTIANSON, CHUCK I
17139 HOLLENBECK, BRUCE K
17192 OCCUPANT UNKNOWN,
17389 LEICHTFUSS, MARK S
17461 FAY, EDWARD W
17525 PAVON, ALEXANDER E
18809 CHUMLEY, ROBERT

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

JOHNSON RD 2005

19828 BLACKANGEL TECHNOLOGIES
BLACKS ANGEL TECHNOLOGY
LAWRENCE, THERESA
21101 THE HUNGER ZONE INC
WALMART DISTRIBUTION CENTER NUMBER 7
22727 OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

CENTRAL RD 2000

8929 COATS, DONALD D
8971 OCCUPANT UNKNOWN,
8988 WULF, NORMAN W
8989 VALENTINE, ROBERT
9025 OCCUPANT UNKNOWN,
9026 OCCUPANT UNKNOWN,
9064 OCCUPANT UNKNOWN,
9075 OCCUPANT UNKNOWN,
9076 MORROW, J
9126 MATTA, JOHN
9176 OCCUPANT UNKNOWN,
9182 OCCUPANT UNKNOWN,
9223 WILLIAMS, THOMAS T
9226 OCCUPANT UNKNOWN,
9229 CHISM, STEVEN B
9272 RENN, GREGORY R
9326 SAUL, ANDREW G
9549 HESTER, S
9846 WHALEY, N
9889 KELLOGG, ZANE L
9909 OCCUPANT UNKNOWN,
9911 TARGET MOTORSPORTS
WINELAND, G L
9926 NUNES, JOHN T
9960 TULK, WILLIAM H
9971 OCCUPANT UNKNOWN,
9980 CARLIN, C
10100 STATES, THOMAS J
10176 KENT, WILLIAM J
11025 ATEN, ARLIE O
11085 ALANO CLUB INCORPORATED
VICTOR VALLEY ALANO CLUB INCORPORATED
11111 OCCUPANT UNKNOWN,
11161 DELGADILLO, RUBEN M
11215 OCCUPANT UNKNOWN,
11235 PENFOLD, DUANE
12121 DANS BARBER SHOP
12201 OCCUPANT UNKNOWN,
12205 ALLFENCE
BLUE WAVE MARINE
BOB STERLING CONSTRUCTION & EQUIPMENT RENTALS
12257 HORN, TOM L
12270 OCCUPANT UNKNOWN,
12376 OCCUPANT UNKNOWN,
12394 BORGES, SHIRLEY L
12426 SIMS, AUDRA
12456 MUNGAR, MARTIN
PERSON, DOTSON M
POTTS, PATRICK L
12509 ADAMS, JOHANNA

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

CENTRAL RD 2000 (Cont'd)

12516 WAROWAY, DOLORES
12530 OCCUPANT UNKNOWN,
12560 OCCUPANT UNKNOWN,
12576 ROBERTS, PAUL
12590 BRYANT, RANDEL G
12616 TOWNSEND, SAMUEL V
12629 OCCUPANT UNKNOWN,
12630 MCCLELLAND, DONALD R
12646 ENGELBRECHT, E
12920 RETHERFORD, LYN
12935 APPLE VALLEY CHURCH OF THE NAZARENE
CHURCH OF THE NAZARENE OF APPLE VALLEY
DESERT SPRINGS SCHOOL
TAYLOR, THOMAS W
13150 BECHTOLD, LARRY
13157 AYALA, S
MERCER, DENNIS W
13188 APPLE VALLEY SENIOR CITIZENS CLUB INCORPORATED
13207 OCCUPANT UNKNOWN,
13253 OCCUPANT UNKNOWN,
13269 COOPER, CURTIS E
CWIAKALA, EDWARD A
13361 WALKER, GENE
13505 MOUNTAIN VIEW LIQUOR INCORPORATED
13510 RECYCLING EARTH PRODUCTS INCORPORATED
14530 WELDON, MICHAEL
14544 OCCUPANT UNKNOWN,
14576 LEE, J
14606 DURON, MARCOS C
14622 NEGRETE, JUAN A
14638 AVILA, GLENDA M
14744 PEREZ, FRANCES
14760 SCHURR, LEONARD W
14776 LABRIE, CAROL L
14820 MYER, IDA M
14852 OCCUPANT UNKNOWN,
14860 HILDEBRANDT, MARK M
14952 MASON, WILLIAM K
15829 MOSS, HOWARD H
15835 HADDEN, PAT J
RECOGNITION AWARDS & MORE
16303 STRYKUL, DAVID E
16492 OCCUPANT UNKNOWN,
16519 BROWN, SOPHIA M
16545 SMITH, JAMES A
16625 OCCUPANT UNKNOWN,
16641 OCCUPANT UNKNOWN,
16661 GABLE, TERRY L
16675 SCHELEY, WILLIAM R
16689 OCCUPANT UNKNOWN,

CENTRAL RD 2000 (Cont'd)

16703 OCCUPANT UNKNOWN,
16715 LISLE, PAMELA N
16730 CADY, ANNIE
16731 WHITE, JOHN C
16798 DAVIDSON, ELAINE
16805 OCCUPANT UNKNOWN,
16816 SCHILLING, CHARLES E
16819 ABOLNIK, KEITH M
16928 OLSON, MARK S
16929 OCCUPANT UNKNOWN,
17000 HAIZLIP, BUD
17092 OCCUPANT UNKNOWN,
17139 HOLLENBECK, KENNETH H
17192 OCCUPANT UNKNOWN,
17210 MENDOZA, MARY
17461 FAY, EDWARD
18809 GONZALES, RENE
UNITED STATES GOVERNMENT DEPARTMENT OF THE INTR
19378 AIR INCORPORATED
C R I HELICOPTER
HEAVY LIFT HELICOPTERS INCORPORATED
19776 BECHTEL CORPORATION MOJAVE WATER

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

JOHNSON RD 2000

22727 WICKARD, JANICE

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

CENTRAL RD 1995

8988	WULF, NORMAN W
9025	PADUANO, MICHAEL G
9026	DONOVAN, J I
9064	OCCUPANT UNKNOWNN
9075	KEOPPEL, BRIAN
9076	MORROW, J
9126	MATTA, JOHN
9176	OCCUPANT UNKNOWNN
9182	WADE, ROBERT L
9223	WILLIAMS, THOMAS T
9226	OCCUPANT UNKNOWNN
9229	CHISM, STEVEN B
9272	RENN, GREGORY R
9326	SANTOYO, JORGE I
	SAUL, ANDREW G
9376	OCCUPANT UNKNOWNN
9425	OCCUPANT UNKNOWNN
9440	MILLER, HAL C
9475	COUCH, WILLIAM A
9526	BURNHAM, MICHALL L
9549	YATES, EARL
9615	OCCUPANT UNKNOWNN
9642	BURNHAM, MICHAEL
9715	MODICA, A
9838	GOBEL, MARILYN
9889	KELLOGG, ZANE L
9909	WINELAND, GEO L
9911	OCCUPANT UNKNOWNN
	TARGET MOTORSPORTS
9926	NUNES, JOHN T
9960	TULK, WILLIAM H
9971	LEVAN, GRACE
10100	OCCUPANT UNKNOWNN
10176	KENT, WILLIAM J
10566	SANDERFER, MARY
10881	OCCUPANT UNKNOWNN
10911	GOODWIN, ROBERT L
11025	ATEN, ARLIE O
11085	VICTOR VALLEY ALANO CLUB INC
11161	OCCUPANT UNKNOWNN
11235	MORACO, DARREN P
12123	JUNES LITTLE MARKET
12257	HORN, TOM L
12270	EKLAND, ALBERTA C
	NESTLE, KIM
12332	GOBBY, SUE
	GRIEGO, RAYMOND
	MARTINEZ, SERGIO
	MEDLEY, EDWARD A
	OCHOA, SERGIO

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

CENTRAL RD 1995 (Cont'd)

12332 RICHARDSON, CARISTA
12376 CREASON, TRACY
12394 URIBES, IONA
12426 OCCUPANT UNKNOWNN
12456 OCCUPANT UNKNOWNN
12509 ADAMS, FRED A
12516 WAROWAY, DOLORES
12530 NOFRADA, RODNEY A
12560 OCCUPANT UNKNOWNN
12590 BRYANT, RANDEL G
12616 BOWERS, ANN
12629 DEOBALDIA, JORGE A
12630 MCCLELLAND, DONALD R
12646 ENGELBRECHT, E
12676 KELLEY, PAUL S
12707 JONES, ELLA
12757 DRAKE, HOLLIS
12767 FERNANDEZ, JOHN B
12797 OCCUPANT UNKNOWNN
12831 OCCUPANT UNKNOWNN
12841 PICARD, DANA
12920 RETHERFORD, LYN
12935 APPLE VALLEY CHR OF NAZARENE
DESERT SPRINGS SCHOOL
13188 APPLE VALLEY SENIOR CITIZENS
13605 MOUNTAIN VIEW MARKET & LIQUOR
14606 DURON, MARCOS C
14622 NEGRETE, JUAN A
14638 AVILA, GLENDA
14682 SANTEE, DAWN
14714 SHELDON, VICKI
14730 WINTERS, GEORGE
14744 OCCUPANT UNKNOWNN
14760 SCHURR, LEONARD W
14806 OCCUPANT UNKNOWNN
14820 MYER, IDA M
14852 LOENHORST, ROBERT D
14860 HILDEBRANDT, MARK M
14920 FILIPIKA, C S
14952 MASON, WILLIAM K
16303 OCCUPANT UNKNOWNN
16492 FUSARO, WILLIAM J
16519 COPELAND, DEBBI L
16545 SMITH, JAMES A
16607 EVERETT, JAMES W
16625 SOWARDS, GINGER
16641 DONNER, PETER J
16661 VOWELL, STEVEN
16675 GOCHENOUR, RETTA M
16689 YONAMINE, PETE S

CENTRAL RD 1995 (Cont'd)

16703 SMITH, DIANA L
16730 OCCUPANT UNKNOWNN
16731 WALL, THOMAS H
16798 DAVIDSON, ELAINE
16805 OCCUPANT UNKNOWNN
16816 OCCUPANT UNKNOWNN
16819 ABOLNIK, KEITH M
16834 OCCUPANT UNKNOWNN
16928 OLSON, MARK S
STEWART, CHALON L
17000 HAIZLIP, BUD
17092 OCCUPANT UNKNOWNN
17192 BALL, HILMA
17210 ARROYO, JOSE L
17461 FAY, EDWARD
17525 SWOPES, JOHN E
18809 US INTERIOR DEPT
19378 CRI HELICOPTER

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

CENTRAL RD 1992

8929 COATS, DONALD D
8988 WULF, NORMAN W
9064 THOMAS, DAVID
9076 MORROW, J
9126 MATTA, JOHN
9223 WILLIAMS, THOMAS T
9326 SANTOYO, JORGE I
SAUL, ANDREW G
9425 COMPTON, TERRY D
9475 COUCH, WILLIAM A
9549 KEEFE, ALLAN
9642 BURNHAM, MICHAEL
9715 MODICA, A
9909 WINELAND, GEO L
9911 TARGET MOTORSPORTS
9971 LEVAN, GRACE
10056 STOCKTON, RAYMOND D
10176 KENT, WILLIAM J
10491 ROWSEY, BERTRAM
11025 ATEN, ARLIE O
11085 VICTOR VLY ALANO
12123 JUNES LITTLE MARKET
12205 LEOCO FENCE CO
12257 HORN, TOM L
12270 COULTAS, STEVEN L
KAPP, JAMES
12332 DALE, MICHAEL R
MEDLEY, EDWARD A
12394 JOHNSON, PERRY D
STORM, LAURA
12456 FORSYTH, TONI D
12509 ADAMS, FRED A
12560 DEVORE, V L
12646 ENGELBRECHT, E
12757 DRAKE, HOLLIS
12920 RETHERFORD, LYN
12935 APPLE VLY CHRCH NZR
13150 BECHTOLD, LARRY
13157 CROY, J R
13188 APPLE VLY SR CITZNS
13253 CURRIER, JERRY J
13419 MARLOW, JAMES
13505 MOUNTAIN VW MKT&LQR
14606 DURON, MARCOS C
14920 FILIPIKA, C S
14952 TUCKER, DARRELL W
16545 SMITH, JAMES A
16689 YONAMINE, PETE S
16819 ABOLNIK, KEITH M
17000 HAIZLIP, BUD

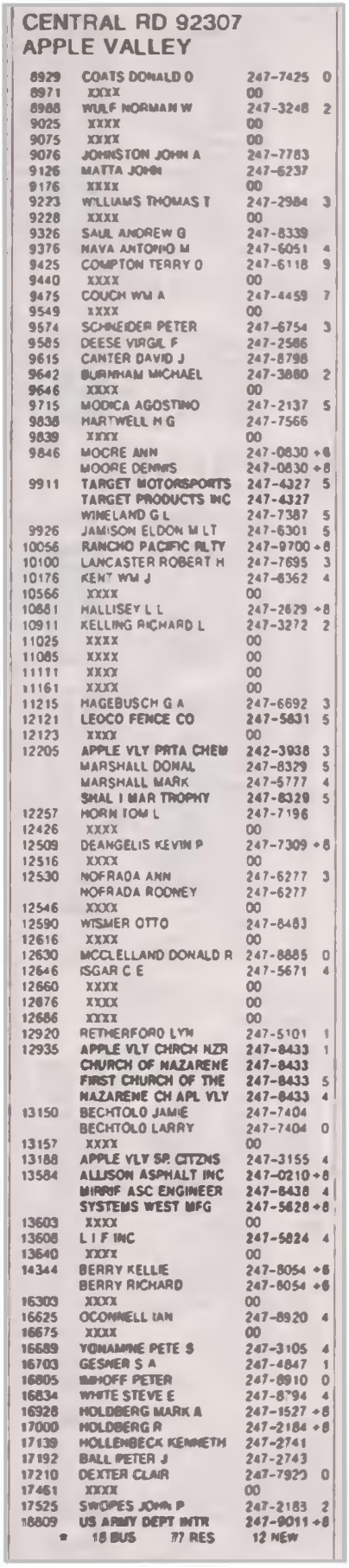
Target Street	Cross Street	Source
✓	-	EDR Digital Archive

CENTRAL RD 1992 (Cont'd)

17192 BALL, PETER J
18809 US INTR BUR LND MNG
19378 C R I HELICOPTER
123323 STUMPF, PHILLIP K
123328 RAMIREZ, FIDEL
133612 WALSH, KELLY L

Target Street	Cross Street	Source
✔	-	Haines Criss-Cross Directory

CENTRAL RD 1986



CENTRAL RD 92307
APPLE VALLEY

8929	COATS DONALD O	247-7425	0
8971	XXXX	00	
8988	WULF NORMAN W	247-3248	2
9025	XXXX	00	
9075	XXXX	00	
9076	JOHNSTON JOHN A	247-7783	
9126	MATTA JOHN	247-6237	
9176	XXXX	00	
9223	WILLIAMS THOMAS T	247-2984	3
9228	XXXX	00	
9326	SAUL ANDREW G	247-8339	
9376	NAVA ANTONIO M	247-6051	4
9425	COMPTON TERRY O	247-6118	9
9440	XXXX	00	
9475	COUCH WM A	247-4459	7
9549	XXXX	00	
9574	SCHNEIDER PETER	247-6754	3
9585	DEESE VIRGIL F	247-2586	
9615	CANTER DAVID J	247-8798	
9642	BURNHAM MICHAEL	247-3880	2
9646	XXXX	00	
9715	MODICA AGOSTINO	247-2137	5
9838	HARTWELL H G	247-7566	
9839	XXXX	00	
9846	MOORE ANN	247-0830	+8
	MOORE DENNIS	247-0830	+8
9911	TARGET MOTORSPORTS	247-4327	5
	TARGET PRODUCTS INC	247-4327	
	WINELAND G L	247-7387	5
9926	JAMISON ELDON M LT	247-6301	5
10056	RANCHO PACIFIC RLTY	247-9700	+8
10100	LANCASTER ROBERT H	247-7695	3
10176	KENT WM J	247-8362	4
10566	XXXX	00	
10681	HALLISEY L L	247-2629	+8
10911	KELLING RICHARD L	247-3272	2
11025	XXXX	00	
11085	XXXX	00	
11111	XXXX	00	
11161	XXXX	00	
11215	HAGEBUSCH G A	247-6692	3
12121	LEOCO FENCE CO	247-5831	5
12123	XXXX	00	
12205	APPLE VLY PRTA CHEM	242-3938	3
	MARSHALL DONAL	247-8329	5
	MARSHALL MARK	247-5777	4
	SMAL I MAR TROPHY	247-8329	5
12257	HORN TOM L	247-7196	
12426	XXXX	00	
12509	DEANGELIS KEVIN P	247-7309	+8
12516	XXXX	00	
12530	NOFRADA ANN	247-6277	3
	NOFRADA RODNEY	247-6277	
12546	XXXX	00	
12590	WISMER OTTO	247-8483	
12616	XXXX	00	
12630	MCCLELLAND DONALD R	247-8885	0
12646	ISGAR C E	247-5671	4
12660	XXXX	00	
12676	XXXX	00	
12686	XXXX	00	
12920	RETHERFORD LYN	247-5101	1
12935	APPLE VLY CHRCH NZR	247-8433	1
	CHURCH OF NAZARENE	247-8433	
	FIRST CHURCH OF THE	247-8433	5
	NAZARENE CH APL VLY	247-8433	4
13150	BECHTOLO JAMIE	247-7404	
	BECHTOLO LARRY	247-7404	0
13157	XXXX	00	
13188	APPLE VLY SR CITZNS	247-3155	4
13584	ALLISON ASPHALT INC	247-0210	+8
	MIRRF ASC ENGINEER	247-8438	4
	SYSTEMS WEST MFG	247-5828	+8
13603	XXXX	00	
13608	L I F INC	247-5824	4
13640	XXXX	00	
14344	BERRY KELLIE	247-8054	+8
	BERRY RICHARD	247-8054	+8
16303	XXXX	00	
16625	OCONNELL IAN	247-8920	4
16675	XXXX	00	
16689	YONAMINE PETE S	247-3105	4
16703	GESNER S A	247-4847	1
16805	IMHOFF PETER	247-8910	0
16834	WHITE STEVE E	247-8794	4
16928	HOLDBERG MARK A	247-1527	+8
17000	HOLDBERG R	247-2184	+8
17139	HOLLENBECK KENNETH	247-2741	
17192	BALL PETER J	247-2743	
17210	DEXTER CLAIR	247-7920	0
17461	XXXX	00	
17525	SWOPES JOHN P	247-2183	2
18809	US ARMY DEPT INTR	247-9011	+8
*	18 BUS 77 RES	12 NEW	

Target Street	Cross Street	Source
✔	-	Haines Criss-Cross Directory

CENTRAL RD 1980

CENTRAL RD 92307 APPLE VALLEY

8929	COATS DONALD D	247-7425 +0
8971	XXXX	00
9025	XXXX	00
9075	BINGHAM VIOLA	247-8509
9076	JOHNSTON JOHN A	247-7783 5
9126	MATTA JOHN	247-6237
9176	OSTRANDER N J	247-8608 +0
9182	GAMBLE THOS S	247-6105
9226	BEVAN D J	247-8277 +0
9326	SAUL ANDREW G	247-8339 6
9376	XXXX	00
9425	COMPTON TERRY D	247-6116 9
9440	XXXX	00
9475	COUCH WM A	247-4459 7
9549	YATES TERRY	247-8675 9
9574	SCHNEIDER PETER	247-6754 +0
9585	DEESE VIRGIL F	247-2566
9615	CANTER DAVID J	247-8798 4
9642	XXXX	00
9646	ORTMAN DAVID B	247-7636 9
9838	HARTWELL H G	247-7566
9839	CARTER ED	247-6334 9
9889	MELENDEZ JOE	247-8077 +0
9911	XXXX	00
9926	CARPENTER MILTON	247-6078
10056	JOLLIFF LEWIS E	247-2078 7
★	**PETERS&ASSOCIATES**	**247-6563 +0**
10100	ZWONE CHEK JOHN	247-8908 5
10881	XXXX	00
10911	XXXX	00
11025	ATEN ARLIE O	247-6986
11085	GRAHAM EARL H	247-4517 +0
11111	NICKERSON THOS R	247-4221
11161	XXXX	00
11215	XXXX	00
12121★	**COMPANY STORE THE**	**247-8331 +0**
12123	XXXX	00
12205★	**APPLE VLY CESSPOOL**	**247-7569 8**
12257	HORN TOM L	247-7196
12400★	**ALPHYS RESTAURANT**	**628-9061 6**
12509★	**DESERT TUTORING CTR**	**247-6501 +0**
	HOWARD TONY	247-4958 +0
12516	WAROWAY EDWARD J	247-4424 7
12530	STEPHENSON EARL	247-2353 8
12590	WISMER OTTO	247-8483 6
12616	XXXX	00
12630	MCCLELLAND DONALD R	247-8885 +0
12660★	**C&F EQUIPMENT**	**247-8568 +0**
	LONG CHARLEY	247-8515 +0
12676	AUTRY WYNONA	247-8342 9
12686	XXXX	00
12920	XXXX	00
12935★	**CHURCH NAZARENE**	**247-8433 3**
13150	BECHTOLD LARRY	247-7404 +0
13361	LANGRELL JAMES E	247-4276 +0
	SEABOLT RAYMOND L	247-8440 +0
13440★	**APPLE VLY INSULATN**	**247-2601 9**
13458	VOGEL DISTRIBUTING	247-6002 +0
13514	XXXX	00
13518★	**AFFORDABLE HOMES**	**247-7216 +0**
13578★	**MIRA MATERIAL SPPLY**	**247-6436 +0**
13584	XXXX	00
13603	XXXX	00
13608	HALSTED ROBERT	247-4575 9
13640	PEREZ DORA LYNN	247-6620 +0
14116	XXXX	00
15061	XXXX	00
15309	XXXX	00
16303	YOUNG ALVIN J	247-8097
16675	XXXX	00
16805	IMHOFF PETER	247-8910 +0
16928.....	APARTMENTS	
	ANZAR RICHARD F	247-2098 9
	DAVIS LORRY	247-4433 +0
	OLSON MARK	247-2177 +0
	STEWART CHALON	247-8519 9
	VANCE DAVID L	247-7710 8
16928.....		
17000	MEADOWS DONALD	247-2184 8
17139	HOLLENBECK KENNETH	247-2741
17192	BALL PETER J	247-2743
17210	DEXTER CLAIR	247-7920 +0
17461	OSBORN R S	247-2744 3
★	10 BUS 71 RES	24 NEW

Target Street	Cross Street	Source
✔	-	Haines Criss-Cross Directory

CENTRAL RD 1976

CENTRAL RD 92307 APPLE VALLEY

8971	NORRIS WILLIAM C	247-7453
9075	BINGHAM VIOLA	247-8509
9076	JOHNSTON JOHN A	247-7783 5
9126	MATTA JOHN	247-6237
9176	DEPPE BILL	247-8914+6
9182	GAMBLE THOS S	247-6105
9226	BEVAN ROBT O	247-8845+6
9326	SAUL ANDREW G	247-8339+6
9425	FENLASON NORMAN	247-6734
9440	XXXX	OO
9475	FENLASON A L	247-7081 4
9549	XXXX	OO
9585	DEESE VIRGIL F	247-2566
9615	CANTER DAVID J	247-8798 4
9642	ROSENBERGER ADAM	247-8298
9838	HARTWELL H G	247-7566
9889	SMITH STEVEN H	247-7608 5
9911	RAMIREZ J L	247-4292+6
9926	CARPENTER MILTON	247-6078
10056	XXXX	OO
10100	ZWONE CHEK JOHN	247-8908 5
10881	ROWE EVERETT	247-4329 5
11025	ATEN ARLIE O	247-6986
11085	MILSON RICK D	247-8681+6
11111	NICKERSON THOS R	247-4221
11161	XXXX	OO
12205	XXXX	OO
12257	HORN TOM L	247-7196
12509	XXXX	OO
12516	XXXX	OO
12530	MCNAMA CHAS SR	247-7442
12590	WISMER OTTO	247-8483+6
12630	JILES HERMAN	247-7944 5
12660	LONG CHARLEY T	247-6974
12676	LYONS CLARENCE E	247-8605 4
12686	XXXX	OO
12920	TEACHOUT LEO S	247-7743 5
12935*	CHURCH NAZARENE	247-8433 3
13361	XXXX	OO
13584*	MER MAR INC	247-7734+6
15061	BYFORD JOHN E	247-6708+6
16303	YOUNG ALVIN J	247-8097
16928	KELL FRANK H	247-2412
	MELZER STANLEY H	247-6180 4
	WILEY PETER T	247-6193+6
17000	HILL RALPH S	247-2707+6
	JENSEN DOUGLAS	247-2742
17139	HOLLENBECK KENNETH	247-2741
17192	BALL PETER J	247-2743
17210	XXXX	OO
17461	OSBORN R S	247-2744 3
NO #	HARRIS JAMES ROE	247-4554 4

* 2 BUS 50 RES 10 NEW

Target Street	Cross Street	Source
✔	-	Haines Criss-Cross Directory

CENTRAL RD 1971

CENTRAL RD 92307 APPLE VALLEY

8971	NORRIS WILLIAM C	247-7453
9075	BINGHAM VIOLA	247-8509
9126	MATTA JOHN	247-6237
9182	GAMBLE THOS S	247-6105
9226	GAMBLE WALTER A	247-2513
9425	FENLASON NORMAN	247-6734
9440	COCHRAN RUSSELL C	247-7397
9475	FENLASON A L	247-7081
9585	OEESE VIRGIL F	247-2566
9615	PETERSON SHIRLEY	247-2818
	STEVENS KEITH	247-4310
9642	ROSENBERGER ADAM	247-8298
9838	HARTWELL H G	247-7566
9889	SLINGERLAND M E DR	247-7957
9911	JENKINS W N DR	247-8221
9926	CARPENTER MILTON	247-6078
10056*	APPLE VLY IRRGTN SV	247-6228
	HAWTHORNE MERL	247-6127
10881	HOLBROOK HERBERT H	247-8119
11025	ATEN ARLIE O	247-6986
11085	HAMPTON PATRICK W	247-8841
11111	NICKERSON THOS R	247-4221
11161	GARCIA ROBT	247-8818
12123*	ARCHERS MARKET	247-2273
12205	WALTER M C	247-7429
12257	HORN TOM L	247-7196
12509*	AQUATIC POOLS	247-6678
	OEANGELIS JOE	247-6678
12530	MCNAMA CHAS SR	247-7442
12590	GRIFFIN CARL	247-4526
12630	JILES HERMAN	247-4150
12660	LONG CHARLEY T	247-6974
12676	LYONS CLARENCE E	247-7102
12686	BURKHOLDER ROBERT	247-8858
12750*	MCCARTER CONSTRUCTN	247-4510
12935*	APPLE VLY CH NAZARN	247-8433
13361	BRANDT S E	247-7560
	OGILVIE J W 2ND LT	247-4585
13584*	GENERAL ELECTRIC CO	247-6401
16303	YOUNG ALVIN J	247-8097
16928	EVERHART THOMAS E	247-4533
	KELL FRANK H	247-2412
	KOACH ROGER JR	247-8236
17000	JENSEN DOUGLAS	247-2742
	JENSEN ELSIE	247-2742
17139	HOLLENBECK KENNETH	247-2741
17192	BALL PETER J	247-2743
17210	SANDERS MARTHA M	247-8561
17461	OSBORNE R S	247-2744

* 6 BUS 43 RES

Target Street	Cross Street	Source
✔	-	Luskey Brothers & Co.

CENTRAL RD 1964

-8-

CENTRAL RD, N (AP VLY)--FROM THE MOUNTAIN, NORTH 1 S OF ROUNDUP WY

(SERVED BY VIC
RT 1)

9628 EH JOHN . . . . . .CH 1-1020

-6-

12205*MC WALTER . . . . .CH 7-7429
12257*TL HORN . . . . . .CH 7-7196
12509 JM NAGLE. . . . . .CH 7-7617
12516 RM FARMER
12516 WL MCCLASKEY
12530*CL MCNAMA . . . . .CH 7-7442
12616 AR LAROCCO. . . . .CH 7-2584
12630 VACANT
12660 VACANT
12676*A DAILEY . . . . .CH 7-7360
12686 LM VERNON . . . . .CH 7-8335
12935 CH OF THE NAZA-
RENE
13350 BRAZIL VAN/STGE . .CH 5-3616
13350 BRAZIL VAN/STGE . .CH 7-8414
13361 REDWING APTS . . .CH 7-7560
13361 M BREWER APT 2 . .CH 7-7560
13361 RF DOBSON APT 3
13361 RP SLINING APT 4

-3-

13608 PETROLANE GAS
SERV. . . . . .CH 7-2343
13608 PETROLANE GAS
SERV. . . . . .CH 7-7562
13630 OLD CORRAL MOTEL. .CH 7-7323
13630 RS LAUNDER. . . . .CH 7-7323
14300*HL BAKER Y -
14344*RC WHITE. . . . . .CH 7-2153
16303*AJ YOUNG
16928 KELL FRANK APTS . .CH 7-2412
16928*FH KELL . . . . . .CH 7-2412
16928*R HUNGERFORD
APT 2
16928*W SILLERUD
APT 1
16928*T STEWART APT 3
17000 E JENSEN . . . . .CH 7-2742
17139*KH HOLLENBECK . . .CH 7-2741
17140 SC JENKINS. . . . .CH 1-1028
17192*PJ BALL . . . . . .CH 7-2743
17210 GE GROSSMAN
17461*RS OSBORN . . . . .CH 7-2744

##################

Property Information Management System

San Bernardino County

Office of the Assessor

OWNERSHIP HISTORY REPORT FOR PARCEL 0463-101-21-0000

Parcel 0463101210000
Parcel Status ACTIVE
Parcel Type REAL PROPERTY
Property ID
Tax Status ASSESSED BY COUNTY
Use Code VACANT
Land Access NONE
Size 7.001 TO 14.000 ACRES
Land Type INDUSTRIAL

District HESPERIA
Resp Group REAL PROPERTY
Resp Unit INDUSTRIAL ZONE OR USE

Ownership History

Owner Name: SAPP, ROSCOE ESTATE

R/I SOLE OWNER
% Int 100.0000000
Type BILLED OWNER
Acquisition Date 04/10/1997
Document Date 04/10/1997
Inactive Date NONE

Document Numbers
9712636900000

Owner Name: (ERR) SAPP, ROSCOE ESTATE OF

R/I SOLE OWNER
% Int 100.0000000
Type BILLED OWNER
Acquisition Date 04/29/1994
Document Date 04/10/1997
Inactive Date 04/09/1997

Document Numbers
9712636900000

Owner Name: ROGERS, EDITH FAMILY TRUST

R/I	SOLE OWNER
% Int	100.0000000
Type	BILLED OWNER
Acquisition Date	04/29/1994
Document Date	04/29/1994
Inactive Date	04/09/1997

Document Numbers

9419839800000

Owner Name: SAPP. ROSCOE ESTATE OF

R/I	SOLE OWNER
% Int	100.0000000
Type	BILLED OWNER
Acquisition Date	03/20/1994
Document Date	03/20/1994
Inactive Date	04/28/1994

Document Numbers

1994032000002
19950127785
19970126369

Owner Name: SAPP, ROSCOE TRUST

R/I	TRUST REVOCABLE
% Int	0.0000000
Type	BILLED OWNER
Acquisition Date	01/01/1980
Document Date	01/14/1994
Inactive Date	03/19/1994

Document Numbers

9401808800000

Owner Name: SAPP, ROSCOE

R/I	SOLE OWNER
% Int	0.0000000
Type	BILLED OWNER
Acquisition Date	NONE
Document Date	NONE
Inactive Date	01/13/1994

Document Numbers

Owner Name: SAPP, WALTER P

R/I	SOLE OWNER
% Int	0.0000000
Type	BILLED OWNER
Acquisition Date	NONE
Document Date	NONE
Inactive Date	02/27/1980

Document Numbers

Property Information Management System

San Bernardino County

Office of the Assessor

OWNERSHIP HISTORY REPORT FOR PARCEL 0463-101-22-0000

Parcel	0463101220000
Parcel Status	ACTIVE
Parcel Type	REAL PROPERTY
Property ID	
Tax Status	ASSESSED BY COUNTY
Use Code	VACANT
Land Access	NONE
Size	25.001 ACRES AND OVER
Land Type	INDUSTRIAL
District	HESPERIA
Resp Group	REAL PROPERTY
Resp Unit	INDUSTRIAL ZONE OR USE

Ownership History

Owner Name: SAPP, ROSCOE ESTATE

R/I	SOLE OWNER
% Int	100.0000000
Type	BILLED OWNER
Acquisition Date	04/10/1997
Document Date	04/10/1997
Inactive Date	NONE

Document Numbers

9712636900000

Owner Name: (ERR) SAPP, ROSCOE ESTATE OF

R/I	SOLE OWNER
% Int	100.0000000
Type	BILLED OWNER
Acquisition Date	04/29/1994
Document Date	04/10/1997
Inactive Date	04/09/1997

Document Numbers

9712636900000

Owner Name: ROGERS, EDITH MAE FAMILY TRUST

R/I	SOLE OWNER
% Int	100.0000000
Type	BILLED OWNER
Acquisition Date	04/29/1994
Document Date	04/29/1994
Inactive Date	04/09/1997

Document Numbers

9419839700000

Owner Name: SAPP. ROSCOE ESTATE OF

R/I	SOLE OWNER
% Int	100.0000000
Type	BILLED OWNER
Acquisition Date	03/20/1994
Document Date	03/20/1994
Inactive Date	04/28/1994

Document Numbers

1994032000002
19950127785
19970126369

Owner Name: SAPP, ROSCOE TRUST

R/I	TRUST REVOCABLE
% Int	0.0000000
Type	BILLED OWNER
Acquisition Date	01/01/1980
Document Date	01/14/1994
Inactive Date	03/19/1994

Document Numbers

9401808700000

Owner Name: SAPP, ROSCOE

R/I	SOLE OWNER
% Int	0.0000000
Type	BILLED OWNER
Acquisition Date	NONE
Document Date	NONE
Inactive Date	01/13/1994

Document Numbers

Owner Name: SAPP, WALTER P

R/I	SOLE OWNER
% Int	0.0000000
Type	BILLED OWNER
Acquisition Date	NONE
Document Date	NONE
Inactive Date	02/27/1980

Document Numbers

Property Information Management System

San Bernardino County

Office of the Assessor

OWNERSHIP HISTORY REPORT FOR PARCEL 0463-201-43-0000

Parcel	0463201430000
Parcel Status	ACTIVE
Parcel Type	REAL PROPERTY
Property ID	
Tax Status	ASSESSED BY COUNTY
Use Code	VACANT
Land Access	PUBLIC UNPAVED
Size	25.001 ACRES AND OVER
Land Type	INDUSTRIAL
District	HESPERIA
Resp Group	REAL PROPERTY
Resp Unit	INDUSTRIAL ZONE OR USE

Ownership History

Owner Name: SAPP, ROSCOE ESTATE

R/I	SOLE OWNER
% Int	100.0000000
Type	BILLED OWNER
Acquisition Date	04/10/1997
Document Date	04/10/1997
Inactive Date	NONE

Document Numbers

19970126369

Owner Name: (ERR) SAPP, ROSCOE ESTATE OF

R/I	SOLE OWNER
% Int	100.0000000
Type	BILLED OWNER
Acquisition Date	04/29/1994
Document Date	04/10/1997
Inactive Date	04/09/1997

Document Numbers

19970126369

Owner Name: ROGERS, EDITH MAE FAMILY TRUST

R/I	SOLE OWNER
% Int	100.0000000
Type	BILLED OWNER
Acquisition Date	04/29/1994
Document Date	04/29/1994
Inactive Date	04/09/1997

Document Numbers

9419838800000

Owner Name: SAPP, ROSCOE ESTATE OF

R/I	SOLE OWNER
% Int	100.0000000
Type	BILLED OWNER
Acquisition Date	03/20/1994
Document Date	03/20/1994
Inactive Date	04/28/1994

Document Numbers

1994032000002
19950127785
19970126369

Owner Name: SAPP, ROSCOE TRUST

R/I	TRUST REVOCABLE
% Int	100.0000000
Type	BILLED OWNER
Acquisition Date	01/01/1974
Document Date	01/14/1994
Inactive Date	03/19/1994

Document Numbers

19940018085

Owner Name: SAPP, ROSCOE

R/I	SOLE OWNER
% Int	100.0000000
Type	BILLED OWNER
Acquisition Date	01/01/1974
Document Date	03/27/1979
Inactive Date	01/13/1994

Document Numbers

9651000001971

Owner Name: SAPP, WALTER P

R/I	SOLE OWNER
% Int	0.0000000
Type	BILLED OWNER
Acquisition Date	NONE
Document Date	NONE
Inactive Date	03/26/1979

Document Numbers

Property Information Management System

San Bernardino County

Office of the Assessor

OWNERSHIP HISTORY REPORT FOR PARCEL 0463-201-44-0000

Parcel	0463201440000
Parcel Status	ACTIVE
Parcel Type	REAL PROPERTY
Property ID	
Tax Status	ASSESSED BY COUNTY
Use Code	VACANT
Land Access	NONE
Size	25.001 ACRES AND OVER
Land Type	INDUSTRIAL
District	HESPERIA
Resp Group	REAL PROPERTY
Resp Unit	INDUSTRIAL ZONE OR USE

Ownership History

Owner Name: SAPP, ROSCOE ESTATE

R/I	SOLE OWNER
% Int	100.0000000
Type	BILLED OWNER
Acquisition Date	04/10/1997
Document Date	04/10/1997
Inactive Date	NONE

Document Numbers

9712636900000

Owner Name: (ERR) SAPP, ROSCOE ESTATE OF

R/I	SOLE OWNER
% Int	100.0000000
Type	BILLED OWNER
Acquisition Date	04/29/1994
Document Date	04/10/1997
Inactive Date	04/09/1997

Document Numbers

9712636900000

Owner Name: ROGERS, EDITH FAMILY TRUST

R/I	SOLE OWNER
% Int	100.0000000
Type	BILLED OWNER
Acquisition Date	04/29/1994
Document Date	04/29/1994
Inactive Date	04/09/1997

Document Numbers

9419838900000

Owner Name: SAPP, ROSCOE ESTATE OF

R/I	SOLE OWNER
% Int	100.0000000
Type	BILLED OWNER
Acquisition Date	03/20/1994
Document Date	03/20/1994
Inactive Date	04/28/1994

Document Numbers

1994032000002
19950127785
19970126369

Owner Name: SAPP, ROSCOE TRUST

R/I	TRUST REVOCABLE
% Int	0.0000000
Type	BILLED OWNER
Acquisition Date	01/01/1974
Document Date	01/14/1994
Inactive Date	03/19/1994

Document Numbers

9401808400000

Owner Name: SAPP, ROSCOE

R/I	SOLE OWNER
% Int	100.0000000
Type	BILLED OWNER
Acquisition Date	01/01/1974
Document Date	03/27/1979
Inactive Date	01/13/1994

Document Numbers

9651000001971

Owner Name: SAPP, WALTER P

R/I	SOLE OWNER
% Int	0.0000000
Type	BILLED OWNER
Acquisition Date	NONE
Document Date	NONE
Inactive Date	03/26/1979

Document Numbers

Property Information Management System

San Bernardino County

Office of the Assessor

OWNERSHIP HISTORY REPORT FOR PARCEL 0463-491-09-0000

Parcel	0463491090000
Parcel Status	ACTIVE
Parcel Type	REAL PROPERTY
Property ID	
Tax Status	ASSESSED BY COUNTY
Use Code	VACANT
Land Access	CHECK
Size	25.001 ACRES AND OVER
Land Type	INDUSTRIAL
District	HESPERIA
Resp Group	REAL PROPERTY
Resp Unit	INDUSTRIAL ZONE OR USE

Ownership History

Owner Name: CAMPBELL, SYLVIA GRIGGS FAM TR 05-30-06

R/I	TENANCY IN COMMON
% Int	50.0000000
Type	BILLED OWNER
Acquisition Date	06/21/2006
Document Date	06/21/2006
Inactive Date	NONE

Document Numbers

20060422607

Owner Name: GRIGGS, ULYSSES S JR

R/I	TENANCY IN COMMON
% Int	50.0000000
Type	JOINT MAIL OWNER
Acquisition Date	11/21/1998
Document Date	08/23/2001
Inactive Date	NONE

Document Numbers

20010385329

Owner Name: CAMPBELL, SYLVIA G

R/I	TENANCY IN COMMON
% Int	50.0000000
Type	BILLED OWNER
Acquisition Date	11/21/1998
Document Date	08/23/2001
Inactive Date	06/20/2006

Document Numbers

20010385329

Owner Name: GRIGGS, EL RAE M

R/I	SOLE OWNER
% Int	100.0000000
Type	BILLED OWNER
Acquisition Date	02/28/1980
Document Date	11/21/2000
Inactive Date	11/20/1998

Document Numbers

20000427191

Owner Name: GRIGGS, ULYSSES S SR AND EL R

R/I	SOLE OWNER
% Int	0.0000000
Type	BILLED OWNER
Acquisition Date	NONE
Document Date	NONE
Inactive Date	11/01/1998

Document Numbers

Appendix C -

Regulatory Records Documentation (with EDR Database Searches)

Sapp and Campbell Properties
Central Road
Apple Valley, CA 92307

Inquiry Number: 6656975.2s
September 13, 2021

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
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 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

CENTRAL ROAD
APPLE VALLEY, CA 92307

COORDINATES

Latitude (North):	34.6052540 - 34° 36' 18.91''
Longitude (West):	117.1689200 - 117° 10' 8.11''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	484511.8
UTM Y (Meters):	3829085.2
Elevation:	3175 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5619054 APPLE VALLEY NORTH, CA
Version Date:	2012
North Map:	5619084 TURTLE VALLEY, CA
Version Date:	2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140601, 20140529
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
CENTRAL ROAD
APPLE VALLEY, CA 92307

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	CEMEX CONSTRUCTION M	25220 BLACK MOUNTAIN	ENVIROSTOR, CHMIRS, HWP, NPDES, San Bern. Co....	Higher	1 ft.
A2	SW PORTLAND CEMENT C	BLACK MT QUARRY, 252	CORRACTS, PADS	Higher	1 ft.
3	ROOSEVELT		MINES MRDS	Higher	1 ft.
B4	HEAVY LIFT HELICOPTE	19378 CENTRAL RD	RCRA-SQG, HAZNET, HWTS	Lower	84, 0.016, SW
B5	AVIATION INTERNT'L R	19378 CENTRAL RD	CHMIRS, San Bern. Co. Permit	Lower	84, 0.016, SW

EXECUTIVE SUMMARY

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
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
SEMS ---------- Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

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-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System
US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROLS ---------- Institutional Controls Sites List

Federal ERNS list

ERNS ---------- Emergency Response Notification System

EXECUTIVE SUMMARY

State- and tribal - equivalent NPL

RESPONSE ---------- State Response Sites

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
INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land
CPS-SLIC ---------- Statewide SLIC Cases

State and tribal registered storage tank lists

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

State and tribal voluntary cleanup sites

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

State and tribal Brownfields sites

BROWNFIELDS ---------- Considered Brownfieds Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

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
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---------- Open Dump Inventory
IHS OPEN DUMPS ---------- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

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

CERS HAZ WASTE	CERS HAZ WASTE
US CDL	National Clandestine Laboratory Register
PFAS	PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

SWEEPS UST	SWEEPS UST Listing
HIST UST	Hazardous Substance Storage Container Database
CA FID UST	Facility Inventory Database
CERS TANKS	California Environmental Reporting System (CERS) Tanks

Local Land Records

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

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting 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 / No Longer Regulated
FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites

US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
DOCKET HWC	Hazardous Waste Compliance Docket Listing
ECHO	Enforcement & Compliance History Information
UXO	Unexploded Ordnance Sites
FUELS PROGRAM	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN	Bond Expenditure Plan
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
DRYCLEANERS	Cleaner Facilities
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
HAZNET	Facility and Manifest Data
ICE	ICE
HIST CORTESE	Hazardous Waste & Substance Site List
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
Notify 65	Proposition 65 Records
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
WIP	Well Investigation Program Case List
MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
PROJECT	PROJECT (GEOTRACKER)
WDR	Waste Discharge Requirements Listing
CERS	CERS
NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)
HWTS	Hazardous Waste Tracking System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	Recovered Government Archive Solid Waste Facilities List

EXECUTIVE SUMMARY

RGA LUST---------- Recovered Government Archive Leaking Underground Storage Tank

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 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 03/22/2021 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SW PORTLAND CEMENT C EPA ID:: CAD980735294	***BLACK MT QUARRY, 252***	***0 - 1/8 (0.000 mi.)***	***A2***	***21***

Federal RCRA generators list

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

A review of the RCRA-SQG list, as provided by EDR, and dated 03/22/2021 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
HEAVY LIFT HELICOPTE EPA ID:: CAR000150771	***19378 CENTRAL RD***	***SW 0 - 1/8 (0.016 mi.)***	***B4***	***23***

State- and tribal - equivalent CERCLIS

ENVIROSTOR: 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.

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/25/2021 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CEMEX CONSTRUCTION M	***25220 BLACK MOUNTAIN***	***0 - 1/8 (0.000 mi.)***	***A1***	***9***
Facility Id: 80001744				
Status: Inactive - Needs Evaluation				

ADDITIONAL ENVIRONMENTAL RECORDS

Records of Emergency Release Reports

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

A review of the CHMIRS list, as provided by EDR, and dated 12/31/2020 has revealed that there is 1 CHMIRS site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CEMEX CONSTRUCTION M	***25220 BLACK MOUNTAIN***	***0 - 1/8 (0.000 mi.)***	***A1***	***9***
OES Incident Number: 08-8797				
OES Incident Number: 12-3350				

Other Ascertainable Records

PADS: The PCB Activity Database identifies generators, transporters, commercial storers and/or brokers and disposers of PCBs who are required to notify the United States Environmental Protection Agency of such activities. The source of this database is the U.S. EPA.

A review of the PADS list, as provided by EDR, and dated 11/19/2020 has revealed that there is 1 PADS site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SW PORTLAND CEMENT C	***BLACK MT QUARRY, 252***	***0 - 1/8 (0.000 mi.)***	***A2***	***21***

EXECUTIVE SUMMARY

EPAID:: CAD980735294

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

A review of the HWP list, as provided by EDR, and dated 02/16/2021 has revealed that there is 1 HWP site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CEMEX CONSTRUCTION M	***25220 BLACK MOUNTAIN***	***0 - 1/8 (0.000 mi.)***	***A1***	***9***
EPA ID: CAD980735294				
Cleanup Status: CLOSED				

NPDES: A listing of NPDES permits, including stormwater.

A review of the NPDES list, as provided by EDR, and dated 02/08/2021 has revealed that there is 1 NPDES site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CEMEX CONSTRUCTION M	***25220 BLACK MOUNTAIN***	***0 - 1/8 (0.000 mi.)***	***A1***	***9***
Facility Status: Active				

San Bern. Co. Permit: San Bernardino County Fire Department Hazardous Materials Division.

A review of the San Bern. Co. Permit list, as provided by EDR, and dated 05/19/2021 has revealed that there are 2 San Bern. Co. Permit sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CEMEX CONSTRUCTION M	***25220 BLACK MOUNTAIN***	***0 - 1/8 (0.000 mi.)***	***A1***	***9***
Facility Status: ACTIVE				
Facility Id: FA0018299				

Lower Elevation	Address	Direction / Distance	Map ID	Page
AVIATION INTERNT'L R	***19378 CENTRAL RD***	***SW 0 - 1/8 (0.016 mi.)***	***B5***	***29***
Facility Status: INACTIVE				
Facility Id: FA0009973				
Facility Id: FA0003735				

CIWQS: The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

A review of the CIWQS list, as provided by EDR, and dated 11/30/2020 has revealed that there is 1 CIWQS site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CEMEX CONSTRUCTION M	***25220 BLACK MOUNTAIN***	***0 - 1/8 (0.000 mi.)***	***A1***	***9***

EXECUTIVE SUMMARY

MINES MRDS: Mineral Resources Data System

A review of the MINES MRDS list, as provided by EDR, and dated 04/06/2018 has revealed that there is 1 MINES MRDS site within approximately 0.001 miles of the target property.

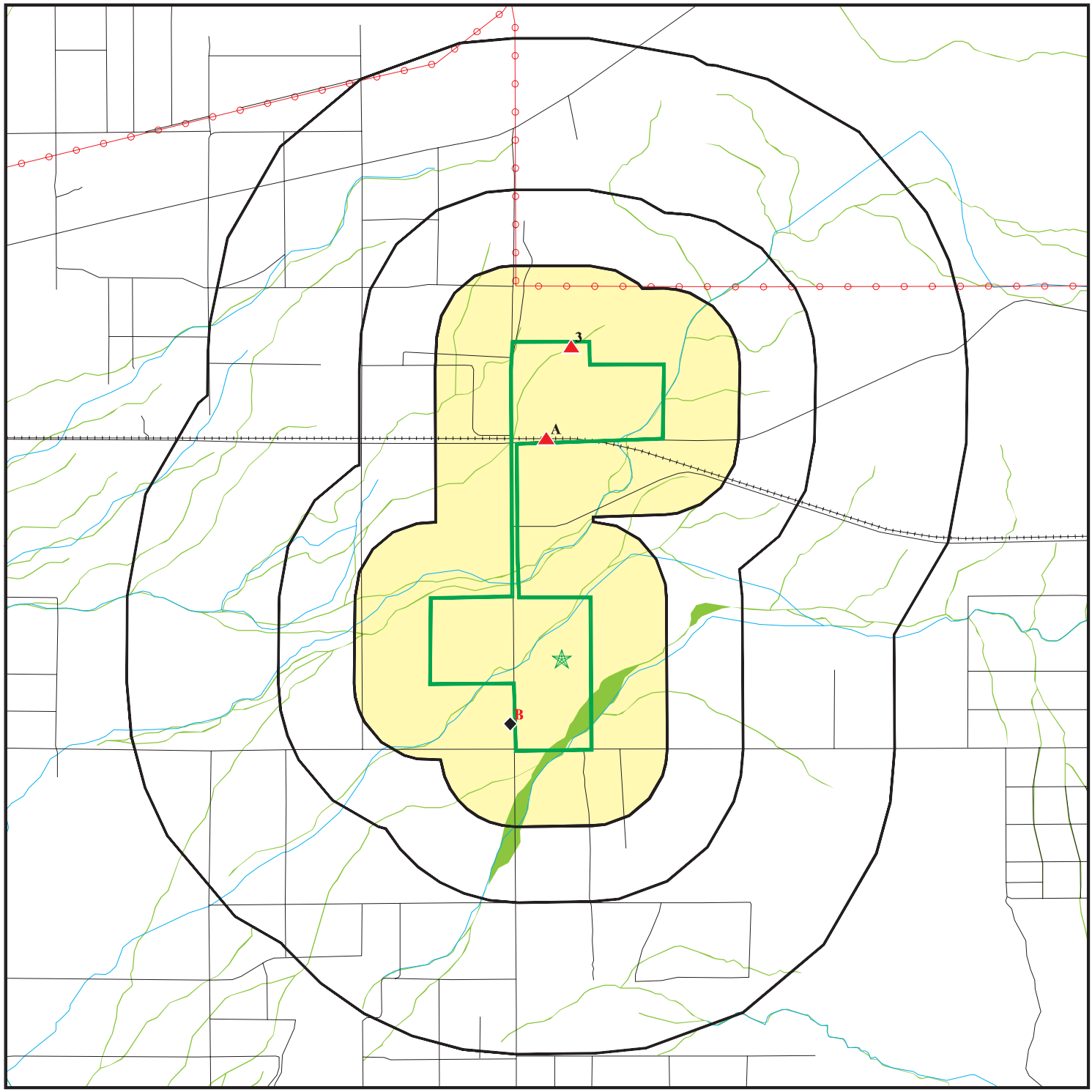
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ROOSEVELT		0 - 1/8 (0.000 mi.)	3	22

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

Site Name	Database(s)
	CDL
	CDL
	CDL

OVERVIEW MAP - 6656975.2S



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

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

N

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: Sapp and Campbell Properties	CLIENT: AdvancedGeo, Inc.
ADDRESS: Central Road Apple Valley CA 92307	CONTACT: Robert Loeffler
LAT/LONG: 34.605254 / 117.16892	INQUIRY #: 6656975.2s DATE: September 13, 2021 11:01 am

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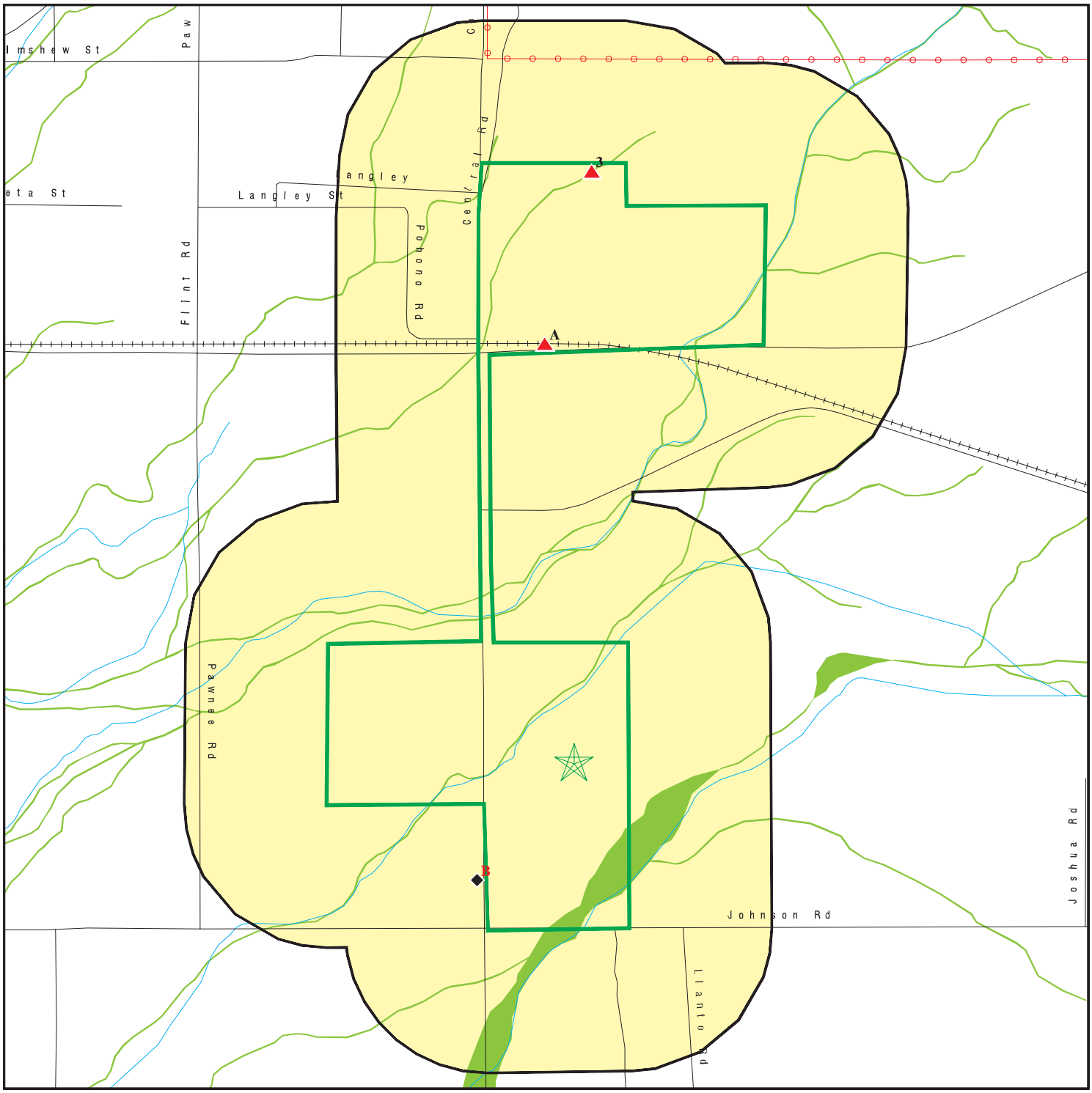
DETAIL MAP - 6656975.2S



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 1/8 1/4 1/2 Miles

Indian Reservations BIA
Power transmission lines
Special Flood Hazard Area (1%)
0.2% Annual Chance Flood Hazard
National Wetland Inventory
State Wetlands

Areas of Concern

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

SITE NAME:	Sapp and Campbell Properties	CLIENT:	AdvancedGeo, Inc.
ADDRESS:	Central Road Apple Valley CA 92307	CONTACT:	Robert Loeffler
LAT/LONG:	34.605254 / 117.16892	INQUIRY #:	6656975.2s
		DATE:	September 13, 2021 11:03 am

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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	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		1	0	0	0	NR	1
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		1	0	NR	NR	NR	1
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	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		1	0	0	0	NR	1
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
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
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
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
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
WMUDS/SWAT	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
HAULERS	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	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
CDL	0.001		0	NR	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		1	NR	NR	NR	NR	1
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		1	NR	NR	NR	NR	1
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HAZNET	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
HWP	1.000		1	0	0	0	NR	1
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		1	NR	NR	NR	NR	1
San Bern. Co. Permit	0.250		2	0	NR	NR	NR	2
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		1	NR	NR	NR	NR	1
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
MINES MRDS	0.001		1	NR	NR	NR	NR	1
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	11	0	0	0	0	11

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

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
< 1/8
1 ft.

Relative: Higher

Actual: 3216 ft.

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC
25220 BLACK MOUNTAIN QUARRY RD
APPLE VALLEY, CA 92307

Site 1 of 2 in cluster A

Database(s): ENVIROSTOR, CHMIRS, HWP, NPDES, San Bern. Co. Permit, CIWQS

EDR ID Number: S104770338
EPA ID Number: N/A

ENVIROSTOR:

Name:	CEMEX CA CEMENT LLC
Address:	25220 BLACK MOUNTAIN QUARRY RD
City,State,Zip:	APPLE VALLEY, CA 923070000
Facility ID:	80001744
Status:	Inactive - Needs Evaluation
Status Date:	02/06/2019
Site Code:	Not reported
Site Type:	Corrective Action
Site Type Detailed:	Corrective Action
Acres:	0
NPL:	NO
Regulatory Agencies:	NONE SPECIFIED
Lead Agency:	NONE SPECIFIED
Program Manager:	Not reported
Supervisor:	* Unknown
Division Branch:	Cleanup Cypress
Assembly:	33
Senate:	16
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	Not reported
Latitude:	34.61589
Longitude:	-117.1698
APN:	NONE SPECIFIED
Past Use:	NONE SPECIFIED
Potential COC:	NONE SPECIFIED
Confirmed COC:	NONE SPECIFIED
Potential Description:	NONE SPECIFIED
Alias Name:	CAD980735294
Alias Type:	EPA Identification Number
Alias Name:	110000783206
Alias Type:	EPA (FRS #)
Alias Name:	80001744
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Interim Measures Questionnaire
Completed Date:	09/24/1992
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	RCRA Facility Assessment Report
Completed Date:	07/15/1992
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S104770338**

Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CHMIRS:

Name:	Not reported
Address:	25220 BLACK MOUNTAIN QUARRY RD
City,State,Zip:	APPLE VALLEY, CA
OES Incident Number:	08-8797
OES notification:	12/10/2008
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	0730
Year:	2008
Agency:	Cemex California Cement
Incident Date:	12/10/2008
Admin Agency:	San Bernardino County Health Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S104770338**

E Date:	Not reported
Substance:	Mobile Hydraulic AW46 Oil
Quantity Released:	300
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A broken line to a K3 Cooler caused the spill.
Name:	Not reported
Address:	25220 BLACK MOUNTAIN QUARRY RD
City,State,Zip:	APPLE VALLEY, CA 92307
OES Incident Number:	12-3350
OES notification:	06/08/2012
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Merchant/Business
Cleanup By:	Responsible Party

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S104770338**

Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Gal(s)
Other:	Not reported
Date/Time:	615
Year:	2012
Agency:	Cemex
Incident Date:	6/8/2012
Admin Agency:	San Bernardino County Health Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Red Die Diesel
Quantity Released:	50
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	Not reported
#2 Pipeline:	Not reported
#3 Pipeline:	Not reported
#1 Vessel >= 300 Tons:	Not reported
#2 Vessel >= 300 Tons:	Not reported
#3 Vessel >= 300 Tons:	Not reported
Evacs:	Not reported
Injuries:	Not reported
Fatals:	Not reported
Comments:	Not reported
Description:	A diesel tank pump was accidentally left on. The release was to secondary containment. Caller states no public waterways impacted.

HWP:

EPA ID:	CAD980735294
Name:	CEMEX CA CEMENT LLC
Address:	25220 BLACK MOUNTAIN QUARRY RD
Cleanup Status:	CLOSED
Latitude:	34.61589
Longitude:	-117.1698
Facility Type:	Historical - Non-Operating
Facility Size:	Not reported
Supervisor:	Not reported
Site Code:	Not reported
Senate District:	Not reported
Assembly District:	Not reported
Public Information Officer:	Not reported
Commercial Offsite Facility Types:	Not reported
Quarterly Update:	05/10/2017 - CEMEX CA Cement LLC is a generator of used oil, used oil filters, and used lubricants. This facility has never operated as a hazardous waste disposal facility and therefore is being administratively closed in the Permitting Enivtostor database due to never being regulated as a TSDF. See Memorandum from July 7th 1994 for more information.

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S104770338**

Project Manager Lead:	Not reported
Project Manager:	Not reported
Permit Type:	RCRA
Permit Effective Date:	Not reported
Permit Expiration Date:	Not reported
Calenviroscreen Score:	66-70%
Total Planned Hours:	Not reported
Total Planned Amount:	Not reported
Total Actual Hours:	Not reported

Closure:

EPA ID:	CAD980735294
Facility Type:	Historical - Non-Operating
Facility Name:	CEMEX CA CEMENT LLC
Project Manager:	Not reported
Project Manager Lead:	Not reported
Supervisor:	Not reported
Facility Size:	Not reported
Facility Status:	CLOSED
Activity Type:	Closure Administrative
Final Date:	Not reported
Type:	RCRA
Title Description:	Closure Administrative of a Generator Only
Due Date:	Not reported
Comments:	This facility was a generator only and was never regulated as a TSDF.
Unit Names:	Unit1
Event Description:	Closure Administrative - ISSUE CLOSURE VERIFICATION
Actual Date:	05/10/2017

NPDES:

Name:	CEMEX CONSTRUCTION MATERIALS PACIFIC LLC
Address:	25220 BLACK MOUNTAIN QUARRY RD
City,State,Zip:	APPLE VALLEY, CA 92307
Facility Status:	Not reported
NPDES Number:	Not reported
Region:	Not reported
Agency Number:	Not reported
Regulatory Measure ID:	Not reported
Place ID:	Not reported
Order Number:	Not reported
WDID:	6B36I019598
Regulatory Measure Type:	Industrial
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	Not reported
Discharge Name:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Status:	Active
Status Date:	06/24/2005
Operator Name:	Cemex Construction Materials Pacific LLC
Operator Address:	16888 N E street

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S104770338**

Operator City:	Victorville
Operator State:	California
Operator Zip:	92394

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	6B
Regulatory Measure ID:	279639
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	6B36I019598
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/24/2005
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Cemex Construction Materials Pacific LLC
Discharge Address:	16888 N E street
Discharge City:	Victorville
Discharge State:	California
Discharge Zip:	92394
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S104770338**

Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	6B
Regulatory Measure ID:	279639
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	6B36I019598
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	06/24/2005
Status:	Active
Status Date:	06/24/2005
Place Size:	5086
Place Size Unit:	Acres
Contact:	Darlene Bray
Contact Title:	Not reported
Contact Phone:	760-381-7629
Contact Phone Ext:	Not reported
Contact Email:	darlenemarie.bray@cemex.com
Operator Name:	Cemex Construction Materials Pacific LLC
Operator Address:	16888 N E street
Operator City:	Victorville
Operator State:	California

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S104770338**

Operator Zip:	92394
Operator Contact:	Darlene Bray
Operator Contact Title:	Environmental Manager
Operator Contact Phone:	760-381-7629
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	darlenemarie.bray@cemex.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	760-381-7693
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Fairview Dry Lake
Certifier:	Alejandra Silva
Certifier Title:	Environmental Assistant
Certification Date:	13-MAR-15
Primary Sic:	3241-Cement, Hydraulic
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

Name:	CEMEX CONSTRUCTION MATERIALS PACIFIC LLC
Address:	25220 BLACK MOUNTAIN QUARRY RD
City,State,Zip:	APPLE VALLEY, CA 92307
Facility Status:	Active
NPDES Number:	CAS000001
Region:	6B
Agency Number:	0
Regulatory Measure ID:	279639
Place ID:	Not reported
Order Number:	97-03-DWQ
WDID:	6B36I019598
Regulatory Measure Type:	Enrollee
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S104770338**

Effective Date Of Regulatory Measure:	06/24/2005
Termination Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Discharge Address:	16888 N E street
Discharge Name:	Cemex Construction Materials Pacific LLC
Discharge City:	Victorville
Discharge State:	California
Discharge Zip:	92394
Status:	Not reported
Status Date:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported

NPDES as of 03/2018:

NPDES Number:	CAS000001
Status:	Active
Agency Number:	0
Region:	6B
Regulatory Measure ID:	279639
Order Number:	97-03-DWQ
Regulatory Measure Type:	Enrollee
Place ID:	Not reported
WDID:	6B36I019598
Program Type:	Industrial
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	06/24/2005
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Cemex Construction Materials Pacific LLC
Discharge Address:	16888 N E street
Discharge City:	Victorville
Discharge State:	California
Discharge Zip:	92394
Received Date:	Not reported
Processed Date:	Not reported
Status:	Not reported
Status Date:	Not reported
Place Size:	Not reported
Place Size Unit:	Not reported
Contact:	Not reported
Contact Title:	Not reported
Contact Phone:	Not reported
Contact Phone Ext:	Not reported
Contact Email:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City:	Not reported
Operator State:	Not reported
Operator Zip:	Not reported
Operator Contact:	Not reported
Operator Contact Title:	Not reported
Operator Contact Phone:	Not reported
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	Not reported
Operator Type:	Not reported

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S104770338**

Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	Not reported
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	Not reported
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	Not reported
Receiving Water Name:	Not reported
Certifier:	Not reported
Certifier Title:	Not reported
Certification Date:	Not reported
Primary Sic:	Not reported
Secondary Sic:	Not reported
Tertiary Sic:	Not reported
NPDES Number:	Not reported
Status:	Not reported
Agency Number:	Not reported
Region:	6B
Regulatory Measure ID:	279639
Order Number:	Not reported
Regulatory Measure Type:	Industrial
Place ID:	Not reported
WDID:	6B36I019598
Program Type:	Not reported
Adoption Date Of Regulatory Measure:	Not reported
Effective Date Of Regulatory Measure:	Not reported
Expiration Date Of Regulatory Measure:	Not reported
Termination Date Of Regulatory Measure:	Not reported
Discharge Name:	Not reported
Discharge Address:	Not reported
Discharge City:	Not reported
Discharge State:	Not reported
Discharge Zip:	Not reported
Received Date:	05/09/2008
Processed Date:	06/24/2005
Status:	Active

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S104770338**

Status Date:	06/24/2005
Place Size:	5086
Place Size Unit:	Acres
Contact:	Darlene Bray
Contact Title:	Not reported
Contact Phone:	760-381-7629
Contact Phone Ext:	Not reported
Contact Email:	darlenemarie.bray@cemex.com
Operator Name:	Cemex Construction Materials Pacific LLC
Operator Address:	16888 N E street
Operator City:	Victorville
Operator State:	California
Operator Zip:	92394
Operator Contact:	Darlene Bray
Operator Contact Title:	Environmental Manager
Operator Contact Phone:	760-381-7629
Operator Contact Phone Ext:	Not reported
Operator Contact Email:	darlenemarie.bray@cemex.com
Operator Type:	Private Business
Developer:	Not reported
Developer Address:	Not reported
Developer City:	Not reported
Developer State:	California
Developer Zip:	Not reported
Developer Contact:	Not reported
Developer Contact Title:	Not reported
Constype Linear Utility Ind:	Not reported
Emergency Phone:	760-381-7693
Emergency Phone Ext:	Not reported
Constype Above Ground Ind:	Not reported
Constype Below Ground Ind:	Not reported
Constype Cable Line Ind:	Not reported
Constype Comm Line Ind:	Not reported
Constype Commertial Ind:	Not reported
Constype Electrical Line Ind:	Not reported
Constype Gas Line Ind:	Not reported
Constype Industrial Ind:	Not reported
Constype Other Description:	Not reported
Constype Other Ind:	Not reported
Constype Recons Ind:	Not reported
Constype Residential Ind:	Not reported
Constype Transport Ind:	Not reported
Constype Utility Description:	Not reported
Constype Utility Ind:	Not reported
Constype Water Sewer Ind:	Not reported
Dir Discharge Uswater Ind:	N
Receiving Water Name:	Fairview Dry Lake
Certifier:	Alejandra Silva
Certifier Title:	Environmental Assistant
Certification Date:	13-MAR-15
Primary Sic:	3241-Cement, Hydraulic
Secondary Sic:	Not reported
Tertiary Sic:	Not reported

San Bern. Co. Permit:
Name: SCE MASONRY POLETOP

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S104770338**

Address: 25220 A BLACK MOUNTAIN QUARRY RD
City,State,Zip: APPLE VALLEY, CA 92307
Region: SAN BERNARDINO
Facility ID: FA0018299
Owner: Southern California Edison
Permit Number: PT0039591
Permit Category: HAZARDOUS MATERIALS 1-3 CHEMICALS SPECIAL
Facility Status: ACTIVE
Expiration Date: 08/31/2022

Name: SCE MASONRY POLETOP
Address: 25220 A BLACK MOUNTAIN QUARRY RD
City,State,Zip: APPLE VALLEY, CA 92307
Region: SAN BERNARDINO
Facility ID: FA0018299
Owner: Southern California Edison
Permit Number: PT0039592
Permit Category: APSA EXEMPT
Facility Status: ACTIVE
Expiration Date: 08/31/2021

CIWQS:
Name: CEMEX CONSTRUCTION MATERIALS PACIFIC LLC
Address: 25220 BLACK MOUNTAIN QUARRY RD
City,State,Zip: APPLE VALLEY, CA 92307
Agency: Cemex Construction Materials Pacific LLC
Agency Address: 16888 N E street, Victorville, CA 92394
Place/Project Type: Industrial - Cement, Hydraulic
SIC/NAICS: 3241
Region: 6V
Program: INDSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water industrial
Order Number: 2014-0057-DWQ
WDID: 6B36I019598
NPDES Number: CAS000001
Adoption Date: Not reported
Effective Date: 06/24/2005
Termination Date: Not reported
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 34.61581
Longitude: -117.20706

Name: BLACK MOUNTAIN QUARRY FOUNDATION WINDPOWER WIND POWER PROJECT
Address: 25220 BLACK MOUNTAIN QUARRY RD
City,State,Zip: APPLE VALLEY, CA 92307
Agency: Foundation Windpower
Agency Address: 505 Sansome Street Suite 450, San Francisco , CA 94111
Place/Project Type: Construction - Utility: wind turbine
SIC/NAICS: Not reported
Region: 6V

CEMEX CONSTRUCTION MATERIALS PACIFIC LLC (Continued) **S104770338**

Program:	CONSTW
Regulatory Measure Status:	Terminated
Regulatory Measure Type:	Storm water construction
Order Number:	2009-0009-DWQ
WDID:	6B36C364498
NPDES Number:	CAS000002
Adoption Date:	Not reported
Effective Date:	08/31/2012
Termination Date:	03/28/2014
Expiration/Review Date:	Not reported
Design Flow:	Not reported
Major/Minor:	Not reported
Complexity:	Not reported
TTWQ:	Not reported
Enforcement Actions within 5 years:	0
Violations within 5 years:	0
Latitude:	34.62208
Longitude:	-117.11105

A2 **SW PORTLAND CEMENT CO BL MT QR** **CORRACTS 1015757280**
BLACK MT QUARRY, 25220 QUARRY RD **PADS CAD980735294**
< 1/8 **APPLE VALLEY, CA 92307**
1 ft.

Site 2 of 2 in cluster A

Relative: Higher
Actual: 3216 ft.

CORRACTS:

Name:	CEMEX VICTORVILLE QUARRY PLANT
Address:	25220 BLACK MOUNTAIN QUARRY RD
Address 2:	QUARRY ROAD
EPA ID:	CAD980735294
Area Name:	ENTIRE FACILITY
Corrective Action:	CA PRIORITIZATION-LOW CA PRIORITY
Actual Date:	00:00.0
Air Release Indicator:	Not reported
Groundwater Release Indicator:	Not reported
Soil Release Indicator:	Not reported
Surface Water Release Indicator:	Not reported

Name:	CEMEX VICTORVILLE QUARRY PLANT
Address:	25220 BLACK MOUNTAIN QUARRY RD
Address 2:	QUARRY ROAD
EPA ID:	CAD980735294
Area Name:	ENTIRE FACILITY
Corrective Action:	CA PRIORITIZATION-LOW CA PRIORITY
Actual Date:	00:00.0
Air Release Indicator:	Not reported
Groundwater Release Indicator:	Not reported
Soil Release Indicator:	Not reported
Surface Water Release Indicator:	Not reported

PADS:

Name:	SW PORTLAND CEMENT CO BL MT QR
Address:	BLACK MT QUARRY, 25220 QUARRY RD
Address 2:	Not reported
City,State,Zip:	APPLE VALLEY, CA 92307
EDR ID:	1015757280
EPAID:	CAD980735294

SW PORTLAND CEMENT CO BL MT QR (Continued) **1015757280**

Region:	9
Generator:	Y
Storer:	N
Disposer:	N
Transporter:	N
Smelter:	N
Research Facility:	N
Mailing Address:	16888 NORTH E STREET
Mailing Address 2:	Not reported
Mailing City:	VICTORVILLE
Mailing State:	CA
Mailing Zip:	92392
Mailing Country:	US
Owner Name:	SOUTHDOWN CORP
Certification Date:	05/07/1993
Contact Name:	STEVE PINKERTON
Contact Title:	Not reported
Contact Telephone:	619-245-1681
Contact Text:	Not reported
Contact Email:	Not reported

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3 **ROOSEVELT** **MINES MRDS** **1025540406**
N/A

< 1/8 **APPLE VALLEY, CA 92307**
1 ft.

Relative: **Higher**

Actual: **3241 ft.**

MINES MRDS:

Name:	ROOSEVELT
Address:	Not reported
Deposit identification Number:	10034079
City,State,Zip:	APPLE VALLEY, CALIFORNIA 92307
URL:	https://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10034079
MRDS Identification Number:	M020775
MAS/MILS Identification Number:	Not reported
Region:	NA
Country:	United States
Primary Commodities:	Copper, Gold
Secondary Commodities:	Silver
Tertiary Commodities:	Not reported
Operation Type:	Unknown
Deposit Type:	Vein
Production Size:	Y - Yes, production has occurred
Development Status:	Past Producer
Ore Minerals or Materials:	Not reported
Gangue Minerals or Materials:	Not reported
Other Minerals or Materials:	Not reported
Ore Body Form:	Not reported
Workings Type:	Underground
Mineral Deposit Model:	Not reported
Alteration Processes:	Not reported
Concentration Processes:	Not reported
Previous Names:	Happy Day
Ore Controls:	Not reported
Reporter:	Fraticelli, L. A. (Albers, J.)
Host Rock Unit Name:	Not reported
Host Rock Type:	Not reported
Associated Rock Unit Name:	Not reported
Associated Rock Type Code:	Not reported

ROOSEVELT (Continued) **1025540406**

Structural Characteristics:	Not reported
Tectonic Setting:	Not reported
References:	Not reported
First Production Year:	Not reported
Began Before/After FPY:	Not reported
Last Production Year:	Not reported
Ended Before/After LPY:	Not reported
Year Discovered:	Not reported
Found Before/After YD:	Not reported
Production History:	Not reported
Discovery Information:	Not reported
Latitude:	34.62029
Longitude:	-117.16837

B4 **HEAVY LIFT HELICOPTER** **RCRA-SQG** **1007200713**
SW **19378 CENTRAL RD** **HAZNET** **CAR000150771**
< 1/8 **APPLE VALLEY, CA 92307** **HWTS**
0.016 mi.
84 ft. **Site 1 of 2 in cluster B**

Relative: **Lower**
Actual: **3156 ft.**

RCRA-SQG:

Date Form Received by Agency:		2004-02-09 00:00:00.0
Handler Name:	HEAVY LIFT HELICOPTER	
Handler Address:		19378 CENTRAL RD
Handler City,State,Zip:		APPLE VALLEY, CA 92307
EPA ID:		CAR000150771
Contact Name:		JOHN A KENNINGS
Contact Address:		19378 CENTRAL RD
Contact City,State,Zip:		APPLE VALLEY, CA 92307
Contact Telephone:		760-240-4247
Contact Fax:		Not reported
Contact Email:		Not reported
Contact Title:		Not reported
EPA Region:		09
Land Type:		Private
Federal Waste Generator Description:		Small Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		19378 CENTRAL RD
Mailing City,State,Zip:		APPLE VALLEY, CA 92307
Owner Name:		CHESTER C RASSBERRY
Owner Type:		Private
Operator Name:		JOHN A KENNINGS
Operator Type:		Private
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No

HEAVY LIFT HELICOPTER (Continued) **1007200713**

Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	NN
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required:	Not reported
Handler Date of Last Change:	2004-02-10 18:23:55.0
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	Not reported
Manifest Broker:	Not reported
Sub-Part P Indicator:	No

Hazardous Waste Summary:

Waste Code:	D001
Waste Description:	IGNITABLE WASTE
Waste Code:	D002
Waste Description:	CORROSIVE WASTE
Waste Code:	D005
Waste Description:	BARIUM

HEAVY LIFT HELICOPTER (Continued) **1007200713**

Waste Code: D006
Waste Description: CADMIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: D018
Waste Description: BENZENE

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED 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 NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED 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.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: CHESTER C RASSBERRY
Legal Status: Private
Date Became Current: 1993-01-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JOHN A KENNINGS
Legal Status: Private
Date Became Current: 1996-06-01 00:00:00.
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported

HEAVY LIFT HELICOPTER (Continued) **1007200713**

Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 2004-02-09 00:00:00.0
Handler Name: HEAVY LIFT HELICOPTER
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 81111
NAICS Description: AUTOMOTIVE MECHANICAL AND ELECTRICAL REPAIR AND MAINTENANCE

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

HAZNET:
Name: HEAVY LIFT HELICOPTER
Address: 19378 CENTRAL RD
Address 2: Not reported
City,State,Zip: APPLE VALLEY, CA 923070000
Contact: ROBERT C FAWCETT
Telephone: 7602401074
Mailing Name: Not reported
Mailing Address: 13463 NOMWAKET RD

Year: 2004
Gepaid: CAR000150771
TSD EPA ID: KYD053348108
CA Waste Code: 352 - Other organic solids
Disposal Method: H01 - Transfer Station
Tons: 0.375

Year: 2004
Gepaid: CAR000150771
TSD EPA ID: KYD053348108
CA Waste Code: 214 - Unspecified solvent mixture
Disposal Method: H01 - Transfer Station
Tons: 0.2

Year: 2004
Gepaid: CAR000150771

HEAVY LIFT HELICOPTER (Continued) **1007200713**

TSD EPA ID: KYD053348108
CA Waste Code: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method: H01 - Transfer Station
Tons: 0.78

Additional Info:
Year: 2004
Gen EPA ID: CAR000150771

Shipment Date: 20040226
Creation Date: 1/5/2007 18:31:00
Receipt Date: 20040316
Manifest ID: 23025264
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: OKD981588791
Trans 2 Name: TRIAD TRANS
TSDF EPA ID: KYD053348108
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: KYD053348108
TSDF Alt Name: Not reported
Waste Code Description: 352 - Other organic solids
RCRA Code: F005
Meth Code: H01 - Transfer Station
Quantity Tons: 0.375
Waste Quantity: 750
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 20040226
Creation Date: 1/5/2007 18:31:00
Receipt Date: 20040316
Manifest ID: 23025264
Trans EPA ID: TXR000050930
Trans Name: SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID: OKD981588791
Trans 2 Name: TRIAD TRANS
TSDF EPA ID: KYD053348108
Trans Name: SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID: KYD053348108
TSDF Alt Name: Not reported
Waste Code Description: 214 - Unspecified solvent mixture
RCRA Code: D001
Meth Code: H01 - Transfer Station
Quantity Tons: 0.2
Waste Quantity: 400
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

HEAVY LIFT HELICOPTER (Continued) **1007200713**

Shipment Date:	20040226
Creation Date:	1/5/2007 18:31:00
Receipt Date:	20040316
Manifest ID:	23025264
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANS
TSDF EPA ID:	KYD053348108
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	KYD053348108
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	D001
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20040226
Creation Date:	1/5/2007 18:31:00
Receipt Date:	20040316
Manifest ID:	23025264
Trans EPA ID:	TXR000050930
Trans Name:	SAFETY-KLEEN SYSTEMS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANS
TSDF EPA ID:	KYD053348108
Trans Name:	SAFETY-KLEEN SYSTEMS INC
TSDF Alt EPA ID:	KYD053348108
TSDF Alt Name:	Not reported
Waste Code Description:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, etc.
RCRA Code:	F003
Meth Code:	H01 - Transfer Station
Quantity Tons:	0.18
Waste Quantity:	360
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	HEAVY LIFT HELICOPTER
Address:	19378 CENTRAL RD
Address 2:	Not reported
City,State,Zip:	APPLE VALLEY, CA 923070000
EPA ID:	CAR000150771
Inactive Date:	09/30/2005
Create Date:	06/21/2004
Last Act Date:	02/08/2005

HEAVY LIFT HELICOPTER (Continued) **1007200713**

Mailing Name:	Not reported
Mailing Address:	13463 NOMWAKET RD
Mailing Address 2:	Not reported
Mailing City,State,Zip:	APPLE VALLEY, CA 92308
Owner Name:	HARRY ROGERS (HEAVY LIFT HELICOPTER
Owner Address:	13463 NOMWAKET RD
Owner Address 2:	Not reported
Owner City,State,Zip:	APPLE VALLEY, CA 92308
Contact Name:	ROBERT C FAWCETT
Contact Address:	13463 NOMWAKET RD
Contact Address 2:	Not reported
City,State,Zip:	APPLE VALLEY, CA 92308

B5 **AVIATION INTERNT'L ROTORS INC** **CHMIRS S104766856**
SW **19378 CENTRAL RD** **San Bern. Co. Permit N/A**
< 1/8 **APPLE VALLEY, CA 92307**
0.016 mi.
84 ft. **Site 2 of 2 in cluster B**

Relative: CHMIRS:
Lower

Name:	Not reported
Address:	19378 CENTRAL
City,State,Zip:	APPLE VALLEY, CA
OES Incident Number:	15-0508
OES notification:	01/26/2015
OES Date:	Not reported
OES Time:	Not reported
Date Completed:	**Not reported**
Property Use:	Not reported
Agency Id Number:	Not reported
Agency Incident Number:	Not reported
Time Notified:	Not reported
Time Completed:	Not reported
Surrounding Area:	Not reported
Estimated Temperature:	Not reported
Property Management:	Not reported
More Than Two Substances Involved?:	Not reported
Resp Agncy Personel # Of Decontaminated:	Not reported
Responding Agency Personel # Of Injuries:	Not reported
Responding Agency Personel # Of Fatalities:	Not reported
Others Number Of Decontaminated:	Not reported
Others Number Of Injuries:	Not reported
Others Number Of Fatalities:	Not reported
Vehicle Make/year:	Not reported
Vehicle License Number:	Not reported
Vehicle State:	Not reported
Vehicle Id Number:	Not reported
CA DOT PUC/ICC Number:	Not reported
Company Name:	Not reported
Reporting Officer Name/ID:	Not reported
Report Date:	Not reported
Facility Telephone:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Other
Cleanup By:	Patriot Environmental Contractor
Containment:	Not reported
What Happened:	Not reported

AVIATION INTERNT'L ROTORS INC (Continued) **S104766856**

Type:	Not reported
Measure:	Not reported
Other:	Not reported
Type:	PETROLEUM
Measure:	Gal(s)
Other:	Not reported
Date/Time:	1845
Year:	2015
Agency:	Southern California Edison
Incident Date:	01/26/2015
Admin Agency:	San Bernardino County Fire Department
Amount:	Not reported
Contained:	Yes
Site Type:	Not reported
E Date:	Not reported
Substance:	Non-PCB Mineral Oil
Quantity Released:	170
Unknown:	Not reported
Substance #2:	Not reported
Substance #3:	Not reported
Evacuations:	Not reported
Number of Injuries:	Not reported
Number of Fatalities:	Not reported
#1 Pipeline:	No
#2 Pipeline:	No
#3 Pipeline:	No
#1 Vessel >= 300 Tons:	No
#2 Vessel >= 300 Tons:	No
#3 Vessel >= 300 Tons:	No
Evacs:	No
Injuries:	No
Fatals:	No
Comments:	Not reported
Description:	Caller states vandalism to a pad-mount transformer resulted in the release of 170 gallons of non-PCB mineral oil onto soil. An outside contractor is on scene performing clean up.

San Bern. Co. Permit:

Name:	AVIATION INTERNT'L ROTORS INC
Address:	19378 CENTRAL RD
City,State,Zip:	APPLE VALLEY, CA 92307
Region:	SAN BERNARDINO
Facility ID:	FA0009973
Owner:	RASBERRY, CHESTER C. & KATHLEE
Permit Number:	PT0017038
Permit Category:	SPECIAL GENERATOR
Facility Status:	INACTIVE
Expiration Date:	09/30/2007

Name:	AVIATION INTERNT'L ROTORS INC
Address:	19378 CENTRAL RD
City,State,Zip:	APPLE VALLEY, CA 92307
Region:	SAN BERNARDINO
Facility ID:	FA0009973
Owner:	RASBERRY, CHESTER C. & KATHLEE

AVIATION INTERNT'L ROTORS INC (Continued) **S104766856**

Permit Number: PT0017039
Permit Category: SPECIAL HANDLER
Facility Status: INACTIVE
Expiration Date: 09/30/2007

Name: HEAVY LIFT HELICOPTERS IN
Address: 19378 CENTRAL RD
City,State,Zip: APPLE VALLEY, CA 92307
Region: SAN BERNARDINO
Facility ID: FA0003735
Owner: HEAVY LIFT HELICOPTERS IN
Permit Number: PT0007827
Permit Category: SPECIAL GENERATOR
Facility Status: INACTIVE
Expiration Date: 04/30/2006

Name: HEAVY LIFT HELICOPTERS IN
Address: 19378 CENTRAL RD
City,State,Zip: APPLE VALLEY, CA 92307
Region: SAN BERNARDINO
Facility ID: FA0003735
Owner: HEAVY LIFT HELICOPTERS IN
Permit Number: PT0007828
Permit Category: SPECIAL HANDLER
Facility Status: INACTIVE
Expiration Date: 04/30/2006

Count: 3 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
APPLE VALLEY	S107526643		1/4 MILE W OF WREN & CENTRAL		CDL
APPLE VALLEY	S107539538		NEAR STODDARD WELLS & CENTRAL	92307	CDL
APPLE VALLEY	S107540001		ON PAPAGO ROAD, 1200' WEST OF	92307	CDL

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: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/11/2021
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: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/11/2021
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: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

Federal CERCLIS list

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: 02/22/2021
Date Data Arrived at EDR: 03/30/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 06/23/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list 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). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS 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 the 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. The 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 potential NPL site.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 07/26/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly 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). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

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: 02/09/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 39

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/05/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

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: 02/22/2021
Date Data Arrived at EDR: 02/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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: 02/22/2021
Date Data Arrived at EDR: 02/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 09/06/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 85

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

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: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/13/2021
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/09/2021
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: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/13/2021
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/09/2021
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: 02/08/2021
Date Data Arrived at EDR: 02/09/2021
Date Made Active in Reports: 05/03/2021
Number of Days to Update: 83

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

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: No Update Planned

LUST REG 1: Active Toxic Site Investigation
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
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 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 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: Leaking Underground Fuel Tank Report (GEOTRACKER)
Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
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

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: No Update Planned

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 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

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: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

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: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
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: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

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

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/07/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

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

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
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: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

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

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
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: No Update Planned

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: No Update Planned

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: No Update Planned

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: No Update Planned

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: No Update Planned

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: No Update Planned

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: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/29/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases
UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 03/05/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 04/01/2021
Number of Days to Update: 23

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Semi-Annually

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Varies

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: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

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: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

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: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
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: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

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: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

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: 10/07/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
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: 04/08/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 06/11/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

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: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

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: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/13/2021
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Quarterly

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

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: 03/15/2021
Date Data Arrived at EDR: 03/16/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/10/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

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: 04/21/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: No Update Planned

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

Date of Government Version: 03/09/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 11/23/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 08/23/2021
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: 04/22/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

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

Date of Government Version: 06/30/1985
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: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 04/29/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/22/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: No Update Planned

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: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/13/2021
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Quarterly

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: 12/31/2019
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 01/20/2021
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
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

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: 12/07/2020
Date Data Arrived at EDR: 12/09/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 83

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 02/24/2021
Date Data Arrived at EDR: 02/24/2021
Date Made Active in Reports: 05/14/2021
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

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

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

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

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

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

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

CERS TANKS: California Environmental Reporting System (CERS) Tanks

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 01/20/2021
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing

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

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

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: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Semi-Annually

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: 03/02/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 77

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 05/28/2021
Next Scheduled EDR Contact: 09/13/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/24/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 85
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

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: 12/31/2020
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78
Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)
Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22
Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)
Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
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 / No Longer Regulated
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

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: 02/11/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 47

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 08/30/2021
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: 04/16/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Semi-Annually

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: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/05/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: N/A

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: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 08/23/2021
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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 04/30/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

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: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/07/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

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: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Every 4 Years

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: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/17/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Annually

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: 01/20/2021
Date Data Arrived at EDR: 01/21/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 60

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Annually

ROD: Records Of Decision

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

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Annually

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: 01/22/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/19/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

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

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/05/2021
Number of Days to Update: 50

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 08/16/2021
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: 11/19/2020
Date Data Arrived at EDR: 01/08/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 73

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/19/2021
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: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Quarterly

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: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

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: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

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: 03/08/2021
Date Data Arrived at EDR: 03/11/2021
Date Made Active in Reports: 05/11/2021
Number of Days to Update: 61

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 04/16/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/13/2021
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: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/07/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

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: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
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

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Quarterly

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: 12/31/2020
Date Data Arrived at EDR: 01/13/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 68

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/05/2021
Next Scheduled EDR Contact: 07/19/2021
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: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/21/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Biennially

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: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/06/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/28/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

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: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/11/2021
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

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: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

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: 02/01/2021
Date Data Arrived at EDR: 02/24/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 05/27/2021
Date Data Arrived at EDR: 05/27/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 14

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/23/2021
Date Data Arrived at EDR: 03/25/2021
Date Made Active in Reports: 06/17/2021
Number of Days to Update: 84

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/14/2021
Next Scheduled EDR Contact: 09/20/2021
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: 02/03/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 33

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/04/2021
Date Data Arrived at EDR: 04/06/2021
Date Made Active in Reports: 06/25/2021
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/13/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/17/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 03/22/2021
Number of Days to Update: 33

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Quarterly

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

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: 03/22/2021
Date Data Arrived at EDR: 03/23/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 79

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/14/2019
Date Made Active in Reports: 07/17/2019
Number of Days to Update: 64

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Varies

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: 03/01/2021
Date Data Arrived at EDR: 03/04/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 77

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Annually

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 02/26/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 02/23/2021
Date Data Arrived at EDR: 02/25/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 83

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

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

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 06/16/2020
Date Made Active in Reports: 08/28/2020
Number of Days to Update: 73

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/10/2021
Next Scheduled EDR Contact: 09/27/2021
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: 12/31/2020
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/09/2021
Number of Days to Update: 79

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/13/2021
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

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: 02/08/2021
Date Data Arrived at EDR: 02/12/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 82

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/05/2021
Next Scheduled EDR Contact: 08/23/2021
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. This database begins with calendar year 1993.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 04/15/2020
Date Made Active in Reports: 07/02/2020
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/19/2021
Data Release Frequency: Annually

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 02/16/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 05/07/2021
Number of Days to Update: 79

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
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

HWP: EnviroStor Permitted Facilities Listing

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

Date of Government Version: 02/16/2021
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

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

Date of Government Version: 04/05/2021
Date Data Arrived at EDR: 04/06/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
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: 01/29/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 05/28/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 02/08/2021
Date Data Arrived at EDR: 02/09/2021
Date Made Active in Reports: 05/04/2021
Number of Days to Update: 84

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 03/02/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 78

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 05/28/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 03/09/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 03/12/2021
Date Data Arrived at EDR: 03/16/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 11/19/2019
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 62

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 07/01/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

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: 05/14/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: No Update Planned

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: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 03/09/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 06/07/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 11/30/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/12/2021
Number of Days to Update: 73

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 05/19/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/20/2021
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 03/08/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/30/2021
Number of Days to Update: 21
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55
Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29
Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3
Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/27/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/08/2021
Date Data Arrived at EDR: 04/09/2021
Date Made Active in Reports: 04/20/2021
Number of Days to Update: 11
Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120
Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/30/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

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

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

EDR Hist Auto: EDR Exclusive Historical Auto 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 Hist Cleaner: EDR Exclusive Historical 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 RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: 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: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 03/17/2021
Date Data Arrived at EDR: 03/18/2021
Date Made Active in Reports: 03/25/2021
Number of Days to Update: 7

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 78

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing

Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/15/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 12/24/2020
Number of Days to Update: 8

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

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

Date of Government Version: 01/25/2021
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/16/2021
Number of Days to Update: 80

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 04/20/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 12/17/2020
Date Data Arrived at EDR: 01/28/2021
Date Made Active in Reports: 04/16/2021
Number of Days to Update: 78

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 04/21/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 05/05/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: 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: 01/14/2021
Date Data Arrived at EDR: 01/15/2021
Date Made Active in Reports: 04/05/2021
Number of Days to Update: 80

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 06/23/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 05/17/2021
Date Data Arrived at EDR: 05/18/2021
Date Made Active in Reports: 05/20/2021
Number of Days to Update: 2

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/10/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 01/19/2021
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

INYO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 10/29/2020
Date Data Arrived at EDR: 10/30/2020
Date Made Active in Reports: 01/15/2021
Number of Days to Update: 77

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 01/19/2021
Date Data Arrived at EDR: 01/21/2021
Date Made Active in Reports: 01/28/2021
Number of Days to Update: 7

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: 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: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 02/10/2021
Date Data Arrived at EDR: 02/12/2021
Date Made Active in Reports: 03/11/2021
Number of Days to Update: 27

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/07/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

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: N/A
Telephone: N/A
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: No Update Planned

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

Date of Government Version: 04/08/2021
Date Data Arrived at EDR: 04/13/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 76

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 06/29/2021
Next Scheduled EDR Contact: 10/18/2021
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/12/2021
Date Data Arrived at EDR: 04/13/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 76

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/13/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2021
Date Data Arrived at EDR: 02/18/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 81

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/07/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 02/04/2021
Date Data Arrived at EDR: 04/16/2021
Date Made Active in Reports: 04/21/2021
Number of Days to Update: 5

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 04/16/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 04/19/2021
Date Data Arrived at EDR: 06/17/2021
Date Made Active in Reports: 06/28/2021
Number of Days to Update: 11

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/17/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

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

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 01/12/2021
Date Made Active in Reports: 03/26/2021
Number of Days to Update: 73

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/16/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/07/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank

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

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

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

Date of Government Version: 09/11/2020
Date Data Arrived at EDR: 10/07/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 77

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/23/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Semi-Annually

MADERA COUNTY:

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

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 03/24/2021
Date Data Arrived at EDR: 04/07/2021
Date Made Active in Reports: 06/24/2021
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/04/2021
Date Data Arrived at EDR: 02/09/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 9

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 06/02/2021
Next Scheduled EDR Contact: 09/06/3021
Data Release Frequency: Varies

MONTEREY COUNTY:

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

Date of Government Version: 06/23/2021
Date Data Arrived at EDR: 06/23/2021
Date Made Active in Reports: 06/24/2021
Number of Days to Update: 1

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Varies

NAPA COUNTY:

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

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: No Update Planned

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

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/03/2021
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 78

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 04/21/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 02/01/2021
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 78

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 04/29/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 05/03/2021
Date Made Active in Reports: 05/12/2021
Number of Days to Update: 9

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 04/29/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 02/01/2021
Date Data Arrived at EDR: 02/02/2021
Date Made Active in Reports: 04/20/2021
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 04/30/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 05/25/2021
Date Data Arrived at EDR: 05/26/2021
Date Made Active in Reports: 06/01/2021
Number of Days to Update: 6

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

RIVERSIDE COUNTY:

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

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/10/2021
Number of Days to Update: 55

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 03/10/2021
Number of Days to Update: 55
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/07/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 03/30/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 83
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/31/2021
Next Scheduled EDR Contact: 07/12/2021
Data Release Frequency: Quarterly

ML SACRAMENTO: 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: 03/30/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/25/2021
Number of Days to Update: 85
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 06/23/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 04/29/2021
Date Made Active in Reports: 05/03/2021
Number of Days to Update: 4
Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: 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: 05/19/2021
Date Data Arrived at EDR: 05/19/2021
Date Made Active in Reports: 06/07/2021
Number of Days to Update: 19
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 05/03/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: 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: 03/02/2021
Date Data Arrived at EDR: 03/03/2021
Date Made Active in Reports: 05/21/2021
Number of Days to Update: 79

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 05/28/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 02/08/2021
Number of Days to Update: 77

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/14/2020
Date Data Arrived at EDR: 07/16/2020
Date Made Active in Reports: 09/29/2020
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

SAN DIEGO CO SAM: 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: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

LUST SAN FRANCISCO: 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: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/08/2021
Next Scheduled EDR Contact: 09/27/2021
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 05/07/2021
Date Data Arrived at EDR: 05/11/2021
Date Made Active in Reports: 05/14/2021
Number of Days to Update: 3

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/06/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/10/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/02/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: 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: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 02/24/2021
Date Data Arrived at EDR: 02/26/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 82

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

HIST LUST SANTA CLARA: 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

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 05/18/2021
Next Scheduled EDR Contact: 09/06/2021
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 05/21/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/12/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Varies

SOLANO COUNTY:

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

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 03/23/2021
Date Data Arrived at EDR: 03/25/2021
Date Made Active in Reports: 06/10/2021
Number of Days to Update: 77

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 09/12/2021
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 12/15/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 7

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/28/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/01/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 83

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/15/2021
Next Scheduled EDR Contact: 10/04/2021
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/09/2021
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 05/05/2021
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 04/21/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 05/25/2021
Next Scheduled EDR Contact: 09/13/2021
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 01/19/2021
Date Data Arrived at EDR: 01/20/2021
Date Made Active in Reports: 04/08/2021
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 02/02/2021
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 78

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 04/27/2021
Next Scheduled EDR Contact: 08/16/2021
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/14/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: 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: 12/28/2020
Date Data Arrived at EDR: 01/29/2021
Date Made Active in Reports: 04/22/2021
Number of Days to Update: 83
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/19/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Quarterly

LF VENTURA: 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: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: No Update Planned

LUST VENTURA: 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: 05/05/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: No Update Planned

MED WASTE VENTURA: 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: 03/29/2021
Date Data Arrived at EDR: 04/21/2021
Date Made Active in Reports: 04/23/2021
Number of Days to Update: 2
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/19/2021
Next Scheduled EDR Contact: 08/02/2021
Data Release Frequency: Quarterly

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

Date of Government Version: 03/01/2021
Date Data Arrived at EDR: 03/09/2021
Date Made Active in Reports: 03/31/2021
Number of Days to Update: 22
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/04/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Quarterly

YOLO COUNTY:

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

Date of Government Version: 03/26/2021
Date Data Arrived at EDR: 04/01/2021
Date Made Active in Reports: 06/23/2021
Number of Days to Update: 83
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 06/22/2021
Next Scheduled EDR Contact: 10/11/2021
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 04/21/2021
Date Data Arrived at EDR: 04/22/2021
Date Made Active in Reports: 05/12/2021
Number of Days to Update: 20

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 04/24/2021
Next Scheduled EDR Contact: 08/09/2021
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: 10/05/2020
Date Data Arrived at EDR: 02/17/2021
Date Made Active in Reports: 05/10/2021
Number of Days to Update: 82

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/11/2021
Next Scheduled EDR Contact: 08/23/2021
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/19/2021
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: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/30/2021
Next Scheduled EDR Contact: 08/09/2021
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/09/2021
Next Scheduled EDR Contact: 07/26/2021
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/13/2021
Next Scheduled EDR Contact: 08/30/2021
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/03/2021
Next Scheduled EDR Contact: 09/20/2021
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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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 was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

SAPP AND CAMPBELL PROPERTIES
CENTRAL ROAD
APPLE VALLEY, CA 92307

TARGET PROPERTY COORDINATES

Latitude (North):	34.605254 - 34° 36' 18.91''
Longitude (West):	117.16892 - 117° 10' 8.11''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	484511.8
UTM Y (Meters):	3829085.2
Elevation:	3175 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5619054 APPLE VALLEY NORTH, CA
Version Date:	2012
North Map:	5619084 TURTLE VALLEY, CA
Version Date:	2012

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

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

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

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

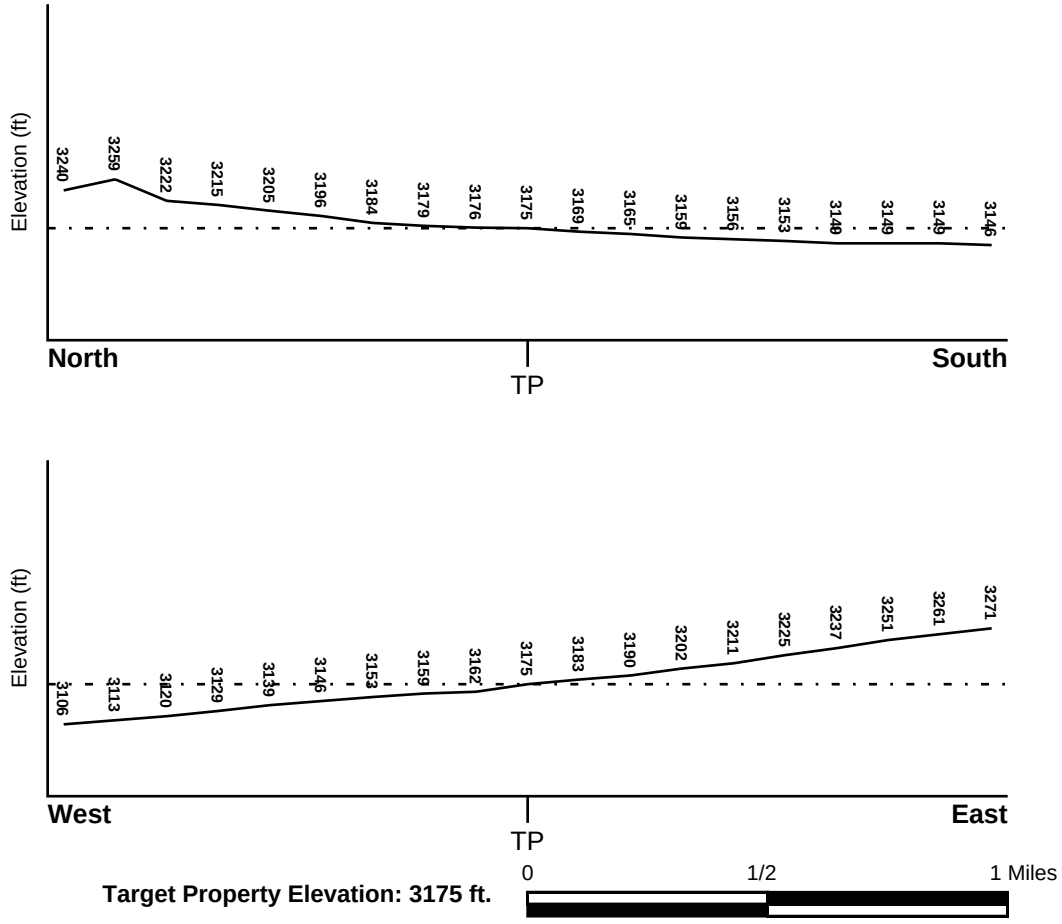
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 3175 ft.

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06071C5850F	FEMA Q3 Flood data

Additional Panels in search area:	FEMA Source Type
Not Reported	

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NOT AVAILABLE	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

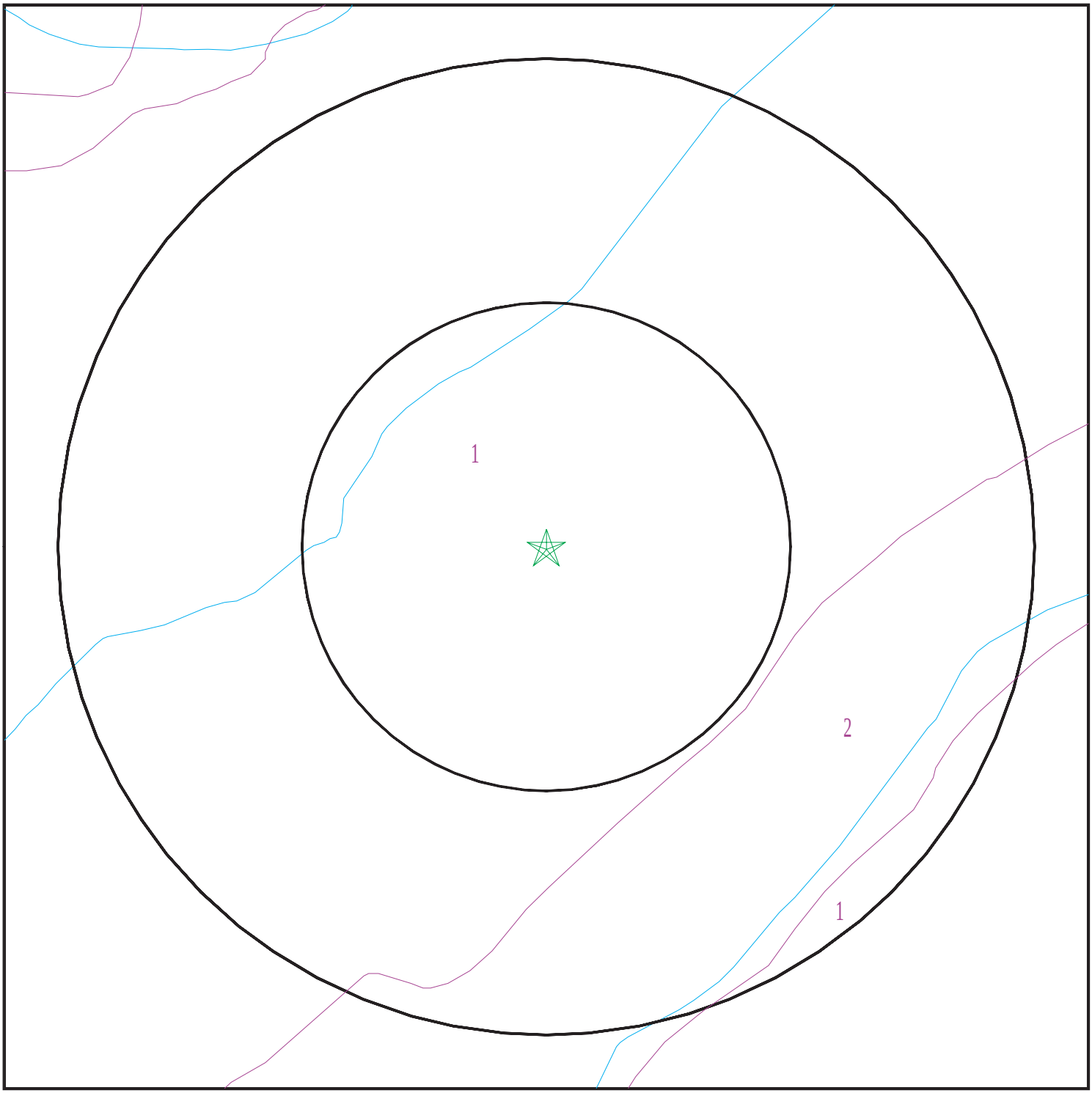
Era:	Paleozoic
System:	Pennsylvanian
Series:	Upper Paleozoic
Code:	uPz *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

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

SSURGO SOIL MAP - 6656975.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Sapp and Campbell Properties	CLIENT:	AdvancedGeo, Inc.
ADDRESS:	Central Road Apple Valley CA 92307	CONTACT:	Robert Loeffler
LAT/LONG:	34.605254 / 117.16892	INQUIRY #:	6656975.2s
		DATE:	September 13, 2021 11:04 am

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Map ID: 1

Soil Component Name: HELENDALE

Soil Surface Texture:
Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4
2	5 inches	29 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4
3	29 inches	66 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4
4	66 inches	98 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4

Soil Map ID: 2

Soil Component Name: CAJON

Soil Surface Texture:
Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4
2	5 inches	59 inches		Not reported	Not reported	Max: 141 Min: 42	Max: 8.4 Min: 7.4

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
A1	USGS40000148036	1/8 - 1/4 Mile SSW
A3	USGS40000148020	1/8 - 1/4 Mile South
B5	USGS40000148175	1/4 - 1/2 Mile WNW
C6	USGS40000148317	1/4 - 1/2 Mile North
D10	USGS40000146493	1/4 - 1/2 Mile SW
E11	USGS40000147854	1/4 - 1/2 Mile South
F15	USGS40000147950	1/4 - 1/2 Mile WSW
G16	USGS40000148176	1/2 - 1 Mile West
H17	USGS40000148037	1/2 - 1 Mile WSW
I22	USGS40000147746	1/2 - 1 Mile SSE
J23	USGS40000148174	1/2 - 1 Mile East
K25	USGS40000148316	1/2 - 1 Mile ENE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
L26	USGS40000148477	1/2 - 1 Mile NW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

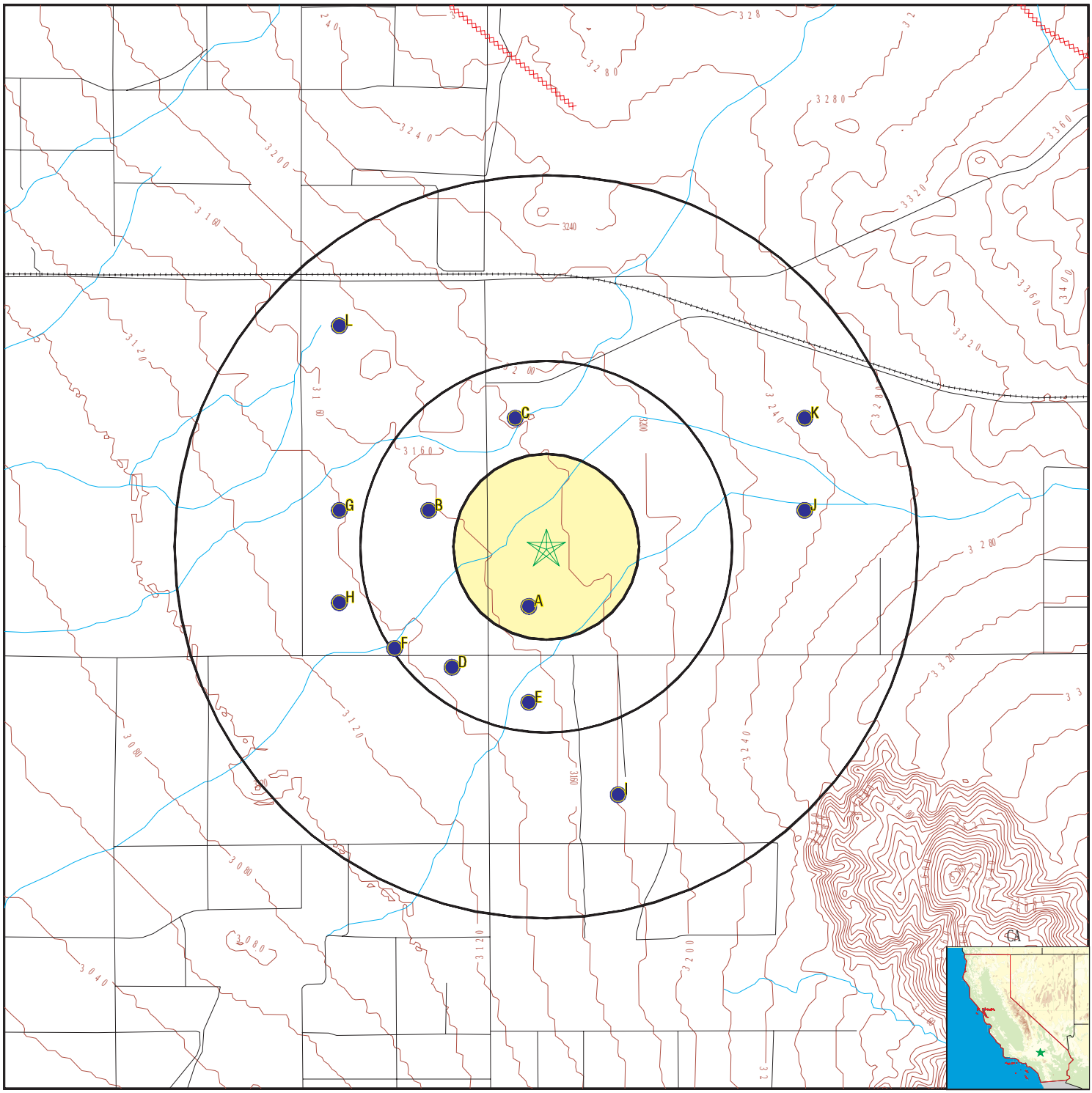
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	CADWR9000010870	1/8 - 1/4 Mile SSW
A4	CADWR9000010863	1/8 - 1/4 Mile SSW
B7	CADWR9000010911	1/4 - 1/2 Mile WNW
C8	CADWR9000010943	1/4 - 1/2 Mile NNW
D9	CADWR0000016195	1/4 - 1/2 Mile SW
E12	CADWR9000010796	1/4 - 1/2 Mile South
D13	CADWR9000010827	1/4 - 1/2 Mile SW
F14	CADWR9000010838	1/4 - 1/2 Mile SW
G18	CADWR9000010912	1/2 - 1 Mile West
H19	CADWR9000010871	1/2 - 1 Mile WSW
I20	CADWR9000010757	1/2 - 1 Mile SSE
J21	CADWR9000010910	1/2 - 1 Mile East
K24	CADWR9000010942	1/2 - 1 Mile ENE
L27	CADWR9000010982	1/2 - 1 Mile NW

PHYSICAL SETTING SOURCE MAP - 6656975.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Sapp and Campbell Properties	CLIENT: AdvancedGeo, Inc.
ADDRESS: Central Road Apple Valley CA 92307	CONTACT: Robert Loeffler INQUIRY #: 6656975.2s
LAT/LONG: 34.605254 / 117.16892	DATE: September 13, 2021 11:04 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
SSW
1/8 - 1/4 Mile
Lower

FED USGS **USGS40000148036**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	006N003W14N001S	Type:	Well
Description:	COMPUTER GENERATED LAT/LONG.+/- 500FT		
HUC:	18090208	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Basin and Range basin-fill aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	68
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1957-02-28
Feet below surface:	66.09	Feet to sea level:	Not Reported
Note:	A nearby site that taps the same aquifer was being pumped.		

A2
SSW
1/8 - 1/4 Mile
Lower

CA WELLS **CADWR9000010870**

State Well #:	06N03W14N001S	Station ID:	4845
Well Name:	Not Reported	Basin Name:	Upper Mojave River Valley
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

A3
South
1/8 - 1/4 Mile
Lower

FED USGS **USGS40000148020**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	006N003W14N002S	Type:	Well
Description:	COMPUTER GENERATED LAT/LONG. +/- 500FT		
HUC:	18090208	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Basin and Range basin-fill aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	103.2
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1957-02-28
Feet below surface:	Not Reported	Feet to sea level:	Not Reported
Note:	The site was dry (no water level recorded).		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A4
SSW
1/8 - 1/4 Mile
Lower

CA WELLS **CADWR9000010863**

State Well #:	06N03W14N002S	Station ID:	4846
Well Name:	Not Reported	Basin Name:	Upper Mojave River Valley
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

B5
WNW
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000148175**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	006N003W15J001S	Type:	Well
Description:	COMPUTER GENERATED LAT/LONG. +/- 500FT		
HUC:	18090208	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Basin and Range basin-fill aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1957-02-28
Feet below surface:	Not Reported	Feet to sea level:	Not Reported
Note:	The site was dry (no water level recorded).		

C6
North
1/4 - 1/2 Mile
Higher

FED USGS **USGS40000148317**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	006N003W14E001S	Type:	Well
Description:	COMPUTER GENERATED LAT/LONG. +/- 500FT		
HUC:	18090208	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Basin and Range basin-fill aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	60.7
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1957-02-28
Feet below surface:	56.69	Feet to sea level:	Not Reported
Note:	A nearby site that taps the same aquifer was being pumped.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B7
WNW
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR9000010911**

State Well #:	06N03W15J001S	Station ID:	4848
Well Name:	Not Reported	Basin Name:	Upper Mojave River Valley
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

C8
NNW
1/4 - 1/2 Mile
Higher

CA WELLS **CADWR9000010943**

State Well #:	06N03W14E001S	Station ID:	38323
Well Name:	Not Reported	Basin Name:	Upper Mojave River Valley
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

D9
SW
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000016195**

D10
SW
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000146493**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	005N003W22A001S	Type:	Well
Description:	Not Reported	HUC:	18090208
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Basin and Range basin-fill aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	22	Level reading date:	1962-10-29
Feet below surface:	102.05	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1962-03-13	Feet below surface:	101.17
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-10-24	Feet below surface:	101.51
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-03-15	Feet below surface:	100.56
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1960-11-07	Feet below surface:	100.44
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1960-03-01	Feet below surface:	99.67
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-11-04	Feet below surface:	99.35
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-03-10	Feet below surface:	126.99
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1958-11-04	Feet below surface:	98.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-03-08	Feet below surface:	97.84
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-11-05	Feet below surface:	97.96
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-05-01	Feet below surface:	112.76
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1956-04-05	Feet below surface:	95.60
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-11-24	Feet below surface:	91.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-05-29	Feet below surface:	92.09
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-05-04	Feet below surface:	90.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-11-07	Feet below surface:	90.55
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1950-05-04	Feet below surface:	90.18
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-11-15	Feet below surface:	89.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1949-05-11	Feet below surface:	89.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-11-19	Feet below surface:	89.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1948-05-07	Feet below surface:	88.87
Feet to sea level:	Not Reported	Note:	Not Reported

E11
South
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000147854**

Organization ID:	USGS-CA
Organization Name:	USGS California Water Science Center

Monitor Location:	006N003W23D001S	Type:	Well
Description:	COMPUTER GENERATED LAT/LONG. +/- 500FT		
HUC:	18090208	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Basin and Range basin-fill aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	1953	Well Depth:	165
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1957-05-14
Feet below surface:	127.1	Feet to sea level:	Not Reported
Note:	A nearby site that taps the same aquifer was being pumped.		

E12
South
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR9000010796**

State Well #:	06N03W23D001S	Station ID:	5000
Well Name:	Not Reported	Basin Name:	Upper Mojave River Valley
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

D13
SW
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR9000010827**

State Well #:	05N03W22A001S	Station ID:	28286
Well Name:	Not Reported	Basin Name:	Upper Mojave River Valley
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

F14
SW
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR9000010838**

State Well #:	06N03W15Q001S	Station ID:	4850
Well Name:	Heavylift	Basin Name:	Upper Mojave River Valley
Well Use:	Residential	Well Type:	Single Well
Well Depth:	230	Well Completion Rpt #:	2521

F15
WSW
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000147950**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	006N003W15Q001S	Type:	Well
Description:	Not Reported	HUC:	18090208
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported

Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Basin and Range basin-fill aquifers		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	195905	Well Depth:	230
Well Depth Units:	ft	Well Hole Depth:	230
Well Hole Depth Units:	ft		

Ground water levels,Number of Measurements:	14	Level reading date:	2004-03-22
Feet below surface:	85.04	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	2003-03-03	Feet below surface:	89.65
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2001-04-23	Feet below surface:	102.48
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-04-21	Feet below surface:	107.15
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	2000-03-23	Feet below surface:	107.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1999-04-15	Feet below surface:	111.59
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-04-13	Feet below surface:	112.19
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1998-03-12	Feet below surface:	112.28
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1997-03-24	Feet below surface:	112.87
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1996-05-14	Feet below surface:	113.43
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1995-05-09	Feet below surface:	114.23
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1994-05-18	Feet below surface:	114.81
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1993-10-05	Feet below surface:	114.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1959-05	Feet below surface:	114
Feet to sea level:	Not Reported	Note:	Not Reported

G16
West
1/2 - 1 Mile
Lower

FED USGS **USGS40000148176**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	006N003W15K001S	Type:	Well
Description:	COMPUTER GENERATED LAT/LONG. +/- 500FT		
HUC:	18090208	Drainage Area:	Not Reported

Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Basin and Range basin-fill aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	76.8
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1957-02-28
Feet below surface:	Not Reported	Feet to sea level:	Not Reported
Note:	The site was dry (no water level recorded).		

H17
WSW
1/2 - 1 Mile
Lower

FED USGS **USGS40000148037**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	006N003W15Q002S	Type:	Well
Description:	COMPUTER GENERATED LAT/LONG. +/- 500FT		
HUC:	18090208	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Basin and Range basin-fill aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	55
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1957-02-28
Feet below surface:	Not Reported	Feet to sea level:	Not Reported
Note:	The site was dry (no water level recorded).		

G18
West
1/2 - 1 Mile
Lower

CA WELLS **CADWR9000010912**

State Well #:	06N03W15K001S	Station ID:	4849
Well Name:	Not Reported	Basin Name:	Upper Mojave River Valley
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

H19
WSW
1/2 - 1 Mile
Lower

CA WELLS **CADWR9000010871**

State Well #:	06N03W15Q002S	Station ID:	4851
Well Name:	Not Reported	Basin Name:	Upper Mojave River Valley
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

I20
SSE
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000010757**

State Well #:	06N03W23F001S	Station ID:	28303
Well Name:	Not Reported	Basin Name:	Upper Mojave River Valley
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

J21
East
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000010910**

State Well #:	06N03W14J001S	Station ID:	4844
Well Name:	Not Reported	Basin Name:	Upper Mojave River Valley
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

I22
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS40000147746**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	006N003W23F001S	Type:	Well
Description:	COMPUTER GENERATED LAT/LONG. +/-500FT		
HUC:	18090208	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Basin and Range basin-fill aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	88
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1957-05-14
Feet below surface:	86.69	Feet to sea level:	Not Reported
Note:	A nearby site that taps the same aquifer was being pumped.		

J23
East
1/2 - 1 Mile
Higher

FED USGS **USGS40000148174**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	006N003W14J001S	Type:	Well
Description:	COMPUTER GENERATED LAT/LONG. +/- 500FT		
HUC:	18090208	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Basin and Range basin-fill aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported

Construction Date:	Not Reported	Well Depth:	20.2
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1957-02-28
Feet below surface:	Not Reported	Feet to sea level:	Not Reported
Note:	The site was dry (no water level recorded).		

K24
ENE **CA WELLS** **CADWR9000010942**
1/2 - 1 Mile
Higher

State Well #:	06N03W14H001S	Station ID:	4843
Well Name:	Not Reported	Basin Name:	Upper Mojave River Valley
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

K25
ENE **FED USGS** **USGS40000148316**
1/2 - 1 Mile
Higher

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	006N003W14H001S	Type:	Well
Description:	COMPUTER GENERATED LAT/LONG. +/-500FT		
HUC:	18090208	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Basin and Range basin-fill aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	92.5
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1957-02-28
Feet below surface:	86.78	Feet to sea level:	Not Reported
Note:	A nearby site that taps the same aquifer was being pumped.		

L26
NW **FED USGS** **USGS40000148477**
1/2 - 1 Mile
Lower

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	006N003W15B001S	Type:	Well
Description:	COMPUTER GENERATED LAT/LONG. +/- 500FT		
HUC:	18090208	Drainage Area:	Not Reported
Drainage Area Units:	Not Reported	Contrib Drainage Area:	Not Reported
Contrib Drainage Area Unts:	Not Reported	Aquifer:	Basin and Range basin-fill aquifers
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	80.1
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1957-02-28
Feet below surface:	76.88	Feet to sea level:	Not Reported
Note:	A nearby site that taps the same aquifer was being pumped.		

L27
NW
1/2 - 1 Mile
Lower

CA WELLS **CADWR9000010982**

State Well #:	06N03W15B001S	Station ID:	4847
Well Name:	Not Reported	Basin Name:	Upper Mojave River Valley
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
92307	30	1

Federal EPA Radon Zone for SAN BERNARDINO 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 SAN BERNARDINO COUNTY, CA

Number of sites tested: 18

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.678 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

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

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

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

GEOLOGIC INFORMATION

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

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

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

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

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

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

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

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

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

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

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

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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

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

OTHER

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

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

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

STREET AND ADDRESS INFORMATION

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SAN BERNARDINO COUNTY FIRE PROTECTION DISTRICT

620 South "E" Street ● San Bernardino, CA 92415-0153 ● (909) 386-8401 ● Fax (909) 386-8460

Office of the Fire Marshal
Hazardous Materials Division
sbcfire.org

Daniel R. Munsey
Fire Chief/Fire Warden

Michael A. Horton
Fire Marshal/Deputy Fire Warden

September 13, 2021

21091003 Apple Valley Adv Geo Env

ADVANCED GEOENVIRONMENTAL
3335 E. MIRALOMA AVE., SUITE 142
ANAHEIM, CA 92806

ATTENTION: **ROBERT LOEFFLER**

SUBJECT: **CERTIFIED RECORD SEARCH FINDINGS**
APN#S: 0463-491-09-0000, 0463-201-43-0000, 0463-201-44-0000, 0463-101-21-0000, 0463-101-22-0000, APPLE VALLEY, CALIFORNIA

This is to confirm that the OFM Hazardous Materials Division (HMD) has searched its records for any file(s) pertaining to the subject property, as described in your request, and finds that no records exist for the above site description(s).

Records maintained by OFM-HMD date back to mid-1980's. Records searched include:

- facilities with hazardous waste generator permits, hazardous materials handler permits, underground storage tank permits, universal waste permits, tiered permits, EPCRA facilities, RMP facilities, Cal ARP facilities, and/or waste recycling generators, including inactive and/or out of business records, as well as non-permitted facility actions;
- logs of permits issued for the removal, installation, and/or modification of underground storage tanks;
- records and databases pertaining to illicit dumping, spill reports and release notifications, and complaints;
- incidents responded to by the hazardous materials emergency response team;
- and sites undergoing remediation for contaminated soil and/or groundwater.

Donna Juday

DONNA JUDAY
Office Specialist
Office of the Fire Marshal
Hazardous Materials Division

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5796 Corporate Avenue
Cypress, California 90630

Gavin Newsom
Governor

September 14, 2021

Robert Loeffler
ADVANCEDGEO INC
rloeffler@advancedgeo.biz

PR4-091021-05
0463-201-43-0000, -44-0000, 0463-101-21-0000, -22-0000, 0463-491-09-0000, APPLE VALLEY, CA

Dear Requestor:

We have received your Public Records Act Request from the Department of Toxic Substances Control (DTSC). After a thorough review of our files, no site records were found pertaining to the sites/facilities referenced above.

A large number of our records are available on EnviroStor, an online database that provides non-confidential, public access to DTSCs Data Management System. It tracks our cleanup, permitting, enforcement and investigation efforts at hazardous waste facilities and sites with known or suspected contamination issues. EnviroStor is available 24/7, 365 days a year. The data reflects the latest updates as they are entered in the system. Access it from your computer or smartphone, the local library – anywhere Internet access is available. Just go to www.envirostor.dtsc.ca.gov. You'll find a step-by-step tour of EnviroStor under the "How to Use EnviroStor" menu on the website.

If you have any questions or would like further information regarding your request, please contact me at 714-4845337 or via email at CypressFileRoom@dtsc.ca.gov.

Sincerely,

Julie Johnson
Julie Johnson
Regional Records Coordinator

Appendix D -

Interview Documentation

No documents have been associated with this appendix.

Appendix E -

Miscellaneous Documents

AdvancedGeo
An Employee-Owned Company

VAPOR ENCROACHMENT SCREENING (ASTM E2600-15)
SAPP AND CAMPBELL PROPERTIES
APPLE VALLEY, CALIFORNIA
September 2021

In accordance with ASTM Standard E2600-15 and the Buonicore Area of Concern determination (2011)[i], AdvancedGeo, Inc. performed the initial Tier 1 Vapor Encroachment Screening which includes determining the presence or likely presence of volatile organic compounds (VOCs) vapors in the sub-surface of the subject property (SP) caused by the release of vapors from contaminated soil or groundwater either on or near the Target Property within an Area of Concern (AOC) to determine if a potential Vapor Encroachment Condition (VEC) exists. Should sites fall within the AOC, a limited Tier 2 screening will be performed.

TIER 1 SCREENING

(1) Soil-Vapor Sampling

(1a) Has a soil-vapor investigation been completed at the subject or suspected contamination site (or sites)?

X	No	Proceed to **(2)**
	Yes	Proceed to **(1b)**

(1b) Are **non-petroleum hydrocarbon COC** or **petroleum hydrocarbon COC** present above established screening levels for the for soil-vapor beneath the subject property.

	No	A VEC does not exist, proceed **CONCLUSIONS**
X	Yes	A VEC exists, proceed to **CONCLUSIONS**

(2) Ground Water Flow Direction: Is the groundwater flow direction known?

	No	Proceed to **(2a)**
X	Yes	Proceed to **(2b)**
		Groundwater flow direction: **Southwest**

(2a) If groundwater flow direction is **unknown**, the AOC is:

- Non-Petroleum Hydrocarbon Contaminants of Concern (COC): **1,760 feet (1/3-mile)** from the contaminated site boundary to the boundary of the SP.

- Dissolved Petroleum Hydrocarbon COC: **528 feet (1/10-mile)** for from the contaminated site boundary to the boundary of the SP.
- Free Product (Light non-aqueous phase liquids [LNAPL]) COC: **528 feet (1/10-mile)** for from the contaminated site boundary to the boundary of the SP.

(2b) If groundwater flow direction is known, the AOC for non-petroleum hydrocarbon COC and dissolved petroleum hydrocarbon or free product (LNAPL) COC is:

- Non-Petroleum Hydrocarbon COC: **1,760 feet (1/3-mile)** in the up-gradient position, **365 feet** in the equi-gradient position, and **100 feet** in the down-gradient position.
- Dissolved Petroleum Hydrocarbon COC: **528 feet (1/10-mile)** in the up-gradient position; **95 feet** in the equi-gradient position, and **30 feet** in the down-gradient position.
- Free Product (LNAPL) COC: **528 feet (1/10-mile)** in the up-gradient position, **165 feet** in the equi-gradient position, and **100 feet** in the down-gradient position.

Are sites located within the AOC? **Not Applicable**

X	No	Tier 1 screening is complete, and no VEC currently exists, proceed to **CONCLUSIONS**
	Yes	Proceed to **(3)**

CONCLUSIONS

(1) Conclusions: Impact on Subject Property

A VEC exists

X A VEC does not exist

[i] Buonicore, A.J., 2011, Methodology for Identifying the Area of Concern Around a Property Potentially Impacted by Vapor Migration from Nearby Contaminated Sources, Paper #2011-A-301-AWMA.

Appendix F -

Qualifications of the Environmental Professionals

ROBERT D. LOEFFLER

POSITION
VICE PRESIDENT, SENIOR GEOLOGIST

EDUCATION
B.S. Geological Sciences – California State University, Fullerton
Course work in ground water technologies - UC Davis Extension

PROFESSIONAL REGISTRATION
California Professional Geologist No. 6709
Nevada Environmental Manager No. 1260
Arizona Registered Geologist No. 34944
Washington Licensed Geologist No. 2751
Texas Professional Geoscientist No. 10890
Registered Environmental Property Assessor No. 136161 (NREP)
Qualified SWPPP Practitioner (QSP) and Qualified SWPPP Developer (QSD) No. 24014

DUTIES
Mr. Loeffler's current duties include design, planning, coordination, and supervision of various environmental projects. These projects include all phases of environmental assessment, site assessments, and mitigation of contaminated soil and ground water. During the course of projects, he acts as liaison between the client and regulatory agencies, schedules work, supervises projects from start to finish, and prepares and reviews work plans and reports.

EMPLOYMENT HISTORY

2020 - Present:	Vice President, Senior Geologist AdvancedGeo, Inc. (an Employee-Owned Company)
1992 - 2019:	Vice President, Senior Geologist Advanced GeoEnvironmental, Inc.
1989 - 1992:	Project Geologist Geological Audit Services, Inc., Yorba Linda, California
1988 - 1989:	Staff Geologist Applied Hydrogeologic Consultants, Santa Ana, California
1988:	Geologist USGS - Pacific Marine Division, Seattle, Washington