HILGARTWILSON
ENGINEER | PLAN | SURVEY | MANAGE

SOUTH MOUNTAIN 370

AHWATUKEE FOOTHILLS VILLAGE

PHASE I ENVIRONMENTAL SITE ASSESSMENT

MARICOPA COUNTY, ARIZONA

Prepared for:

Arizona State Land Department

1616 W Adams Street
Phoenix, AZ 85007

Prepared by:

HILGARTWILSON, LLC

2141 East Highland Avenue, Suite 250
Phoenix, Arizona 85016
Phone: (602) 490-0535

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HILGARTWILSON Project No. 2207

REGISTERED PROFESSIONAL ENGINEER (CIVIL)
CERTIFICATE NO. 34000
SHEILA A. LOGAN
Date Signed 9/16/2020
ARIZONA, U.S.A.

TABLE OF CONTENTS

EXECUTIVE SUMMARY ..... **III**

1 INTRODUCTION **1**

1.1 PURPOSE 1
1.2 DETAILED SCOPE OF SERVICES 2
1.3 SIGNIFICANT ASSUMPTIONS 2
1.4 DEVIATIONS/DATA GAPS/DATA FAILURE 3
1.5 LIMITATIONS AND EXCEPTIONS 3
1.6 SPECIAL TERMS AND CONDITIONS 3
1.7 USER RELIANCE 3

2 SITE DESCRIPTION **3**

2.1 LOCATION AND DESCRIPTION 4
2.2 SITE AND VICINITY GENERAL CHARACTERISTICS 4
2.3 CURRENT USE OF THE PROPERTY 4
2.4 DESCRIPTIONS OF STRUCTURES, ROADS, AND OTHER IMPROVEMENTS 4
2.5 CURRENT USES OF ADJOINING PROPERTIES 5

3 USER PROVIDED INFORMATION **6**

3.1 TITLE RECORDS 6
3.2 ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS 6
3.3 SPECIALIZED KNOWLEDGE 6
3.4 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES 6
3.5 OWNER, PROPERTY MANAGER AND OCCUPANT INFORMATION 6
3.6 REASON(S) FOR PERFORMING PHASE I ENVIRONMENTAL SITE ASSESSMENT 7
3.7 OTHER 7

4 SITE RECONNAISSANCE **7**

4.1 METHODOLOGY AND LIMITING CONDITIONS 7
4.2 GENERAL SETTING 7
4.3 ON-SITE OBSERVATIONS 7

5 INTERVIEWS **9**

5.1 OWNER 9
5.2 SITE MANAGER 9
5.3 OCCUPANTS 9
5.4 LOCAL GOVERNMENT OFFICIALS 9
5.5 OTHERS 9

6 RECORDS REVIEW **9**

6.1 STANDARD ENVIRONMENTAL RECORDS SOURCES 9
6.2 ADDITIONAL ENVIRONMENTAL RECORD SOURCES 11
6.3 PHYSICAL SETTING SOURCE(S) 11
6.4 HISTORICAL USE INFORMATION ON THE PROPERTY 12

7 FINDINGS/CONCLUSIONS **14**

7.1 ON-SITE CONCERNS 15
7.2 OFF-SITE CONCERNS 15

8 OPINIONS AND RECOMMENDATIONS **15**

9 ENVIRONMENTAL PROFESSIONAL STATEMENT 15
10 REFERENCES 15

TABLES

Table 1. Use of Immediately Adjoining Properties 6
Table 2. Map Findings Summary 10
Table 3. Aerial Photograph Review 13
Table 4. Topographic Map Review 14

FIGURES

Figure 1 Project Location

APPENDICES

Appendix A: Photographs
Appendix B: User/Owner Questionnaires
Appendix C: Regulatory Records
Appendix D: Historical Research
Appendix E: Personnel Qualifications
Appendix F: Additional Documentation

EXECUTIVE SUMMARY

This executive summary is provided for convenience and should not substitute for review of the complete report, including all attachments.

HILGARTWILSON, LLC (HW) conducted a Phase I Environmental Site Assessment (ESA) for the subject property, South Mountain 370, an approximately 370-acre parcel of undeveloped desert land located in the Ahwatukee Foothills Village between Chandler Boulevard and the South Mountain Freeway (Loop 202) and the alignments of 19th and 27th avenues in Phoenix, Arizona. This Phase I ESA was prepared for the exclusive benefit and use of the Arizona State Land Department (the Client), subject to the contractual terms agreed to for this project, to evaluate the environmental conditions that may impinge on the site, whether from existing or past land uses or activities on the site or resulting from adjoining properties. Reliance on this document by any other party is forbidden without the express written consent of HW, and that party's acceptance of mutually agreeable terms and conditions.

The purpose of this Phase I ESA is to determine, to the extent practicable, if any recognized environmental conditions (RECs), as defined by ASTM Standard 1527-13, exist on or adjacent to the subject property.

> *Recognized environmental conditions are* "the presence or likely presence of any *hazardous substances* or *petroleum products* in, on, or at a *property*: (1) due to any 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*." The term includes hazardous substances or petroleum products even under conditions in compliance with laws.
>
> *Historical recognized environmental conditions* (HRECs) are "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."
>
> *Controlled recognized environmental conditions* (CRECs) are 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."
>
> *De minimis condition* is "a condition that generally does not present a threat to human health or the *environment* and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis conditions* are not *recognized environmental conditions* nor *controlled recognized environmental conditions*."

HW contracted with Environmental Data Resources (EDR) to conduct a database search for relevant historic and regulatory records. HW reviewed the EDR report to identify environmental conditions that could reasonably be anticipated to have had or currently have adverse environmental impacts on the subject property and other properties within the search parameters for this project. The EDR results are included in Appendices C and D. Additionally, HW conducted an onsite reconnaissance of the site and surrounding properties on August 26, 2020 to identify any concerns on the site as well as in the immediate area of the subject property. An authorized representative of the subject property was contacted and completed the User Questionnaire regarding specific knowledge that the current

owners have of any identified environmental issues with the subject property. The competed User Questionnaire is included in Appendix B.

The onsite reconnaissance did not identify any existing environmental conditions or historic environmental conditions that would be anticipated to have had or will likely have an adverse impact on the subject property.

Based on HW's review of the available records, a review of the EDR reports, the results of our site reconnaissance, and the statements made in the User Questionnaire, HW has determined that no RECs exist on the site and no further environmental investigations are necessary at this time.

1 INTRODUCTION

HILGARTWILSON, LLC (HW) conducted a Phase I Environmental Site Assessment (ESA) for the subject property, South Mountain 370, an approximately 370-acre parcel of undeveloped desert land located in the Ahwatukee Foothills Village between Chandler Boulevard and the South Mountain Freeway (Loop 202) and the alignments of 19th and 27th avenues in Phoenix, Arizona. This Phase I ESA was prepared for the exclusive benefit and use of Arizona State Land Department (ASLD; the Client), subject to the contractual terms agreed to for this project, to evaluate the environmental conditions that may impinge on the site, whether from existing or past land uses or activities on the site or resulting from adjoining properties. Reliance on this document by any other party is forbidden without the express written consent of HW, and that party's acceptance of mutually agreeable terms and conditions.

HW performed a Phase I ESA in general accordance with the scope and limitations of the American Society for Testing and Materials (ASTM) E1527-13: *International Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The review was also conducted in accordance with applicable state and local requirements, and practices related to the 'All Appropriate Inquiry' rule were applied, as appropriate. Any exceptions to or deletions from this practice are described in the appropriate section of this report. The property reconnaissance was performed on August 26, 2020.

1.1 PURPOSE

HW conducted this Phase I ESA at the request of the Client in accordance with the scope of work set forth in our proposal and executed by the Client on July 17, 2020. The purpose of this Phase I ESA is to identify, to the extent feasible pursuant to this process, *recognized environmental conditions* (RECs) in connection with the subject property. RECs are defined by ASTM E 1527-13 as follows (italicized words are those defined in the ASTM):

> RECs are "the presence or likely presence of any *hazardous substances* or *petroleum products* in, on, or at a *property*: (1) due to any *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*." The term includes hazardous substances or petroleum products even under conditions in compliance with laws.

RECs may fall under two additional categories:

> *Historical recognized environmental conditions* (HRECs) are "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."
>
> *Controlled recognized environmental conditions* (CRECs) are 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."

Conditions not considered RECs may be *de minimus conditions*. *A de minimis condition* is "a condition that generally does 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."

1.2 Detailed Scope of Services

HW performed this Phase I ESA to assess the potential for RECs at the subject property. HW performed this Phase I ESA in general conformance with the ASTM *International Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, Designation E 1527-13, thereby satisfying the U.S. Environmental Protection Agency's (EPA) *Standards and Practices for All Appropriate Inquiries (AAI); Final Rule* (40 Code of Federal Regulations [CFR] Part 312) Federal Register Vol. 70, No. 210, November 1, 2005. Any exceptions to or deletions from this practice are described within this report. HW conducted the following activities for the Phase I ESA:

- Obtained and reviewed readily available historical documents, maps, and aerial photographs.
- Researched and reviewed available background information (provided to us and from in-house database systems) regarding the subject property to identify areas and/or items of potential concern relative to contamination or storage of hazardous waste. A computer search of various pertinent databases was conducted.
- Contacted appropriate agencies regarding the availability of reasonably ascertainable and practically reviewable sources for the subject property and reviewed the files if deemed appropriate and practicable.
- Visited the site and performed a visual reconnaissance to identify evidence of RECs. The reconnaissance included readily visible and accessible areas of the subject property only. The site reconnaissance also included observing the current uses of adjoining properties to the extent practicable without entering the adjoining properties.
- Interviewed the current landowner(s) and/or managers of the subject property, as available.

The findings and conclusions discussed in this report are based on the historic data readily available to our project team and the specific conditions observed (and documented) during our site inspection. No attempt has been made to comment on conditions beyond those documented in this Phase I ESA report, and certification of the property is not made or implied in this regard. Additional information is discussed in the User Questionnaire completed by a representative of the ASLD.

HW relied upon the documents and information provided; we assume no responsibility or liability for their accuracy or completeness. Due to known or unknown site-specific limitations, certain RECs might not have been visible during the site reconnaissance. HW provides no guarantee that this Phase I ESA identified all RECs associated with the subject property.

Items not within the ASTM scope, including asbestos, radon, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, and high voltage power lines were not assessed. Our scope of services did not include sampling of soil, water, or air at the site.

1.3 Significant Assumptions

HW assumes that all information provided to us either by the Client, the Client's representatives, persons identified as being knowledgeable about the subject property history and/or operations, the environmental database search subcontractor, regulatory agencies, or other involved parties was truthful, complete, accurate, and provided in good faith. HW relied upon the documents and information provided, and assumes no responsibility or liability for their accuracy or completeness. It is assumed that this report will be read as a whole by the user.

1.4 Deviations/Data Gaps/Data Failure

No significant deletions, deviations, or data failure/data gaps were encountered associated with the scope required by ASTM E1527-13. Historical references were readily available dating back to 1936.

1.5 Limitations and Exceptions

The findings and opinions presented are relative to the dates of our site work and should not be relied on to represent conditions at substantially later dates. The opinions included herein are based on information obtained during the study and our experience. If additional information becomes available that might impact our environmental conclusions, we request the opportunity to review the information, reassess the potential concerns, and modify our opinions, if warranted.

No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of the services provided by HW is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with a property, and the assessment is limited by time and cost. Although this assessment has attempted to identify the potential for environmental impacts to the subject property, potential sources of contamination may have escaped detection due to: (1) the limited scope of this assessment; (2) the inaccuracy of public records; (3) the presence of undetected or unreported environmental incidents; (4) inaccessible areas; and/or (5) deliberate concealment of detrimental information. It was not the purpose of this study to determine the actual presence, degree, or extent of contamination, if any, at the site. This would require additional exploratory work, including sampling and laboratory analysis.

1.6 Special Terms and Conditions

No special terms or conditions are applicable to this report. Authorization to perform this assessment was given by the Client on July 17, 2020. Instructions as to the location of the subject property, access, and an explanation of the property and facilities to be assessed were provided by the ASLD.

1.7 User Reliance

All reports, plans, specifications, electronic data, field data, notes, and other documents ("Work Product") prepared by HW pursuant to this Agreement is intended for the exclusive use of and reliance by the Client. Any other use or reliance by others without the written approval of HW will be at the Client's sole risk and without liability or legal exposure to HW. The Client shall indemnify, defend, and hold harmless HW from and against any claims, damages, or losses, including reasonable attorney's fees and costs, arising out of or resulting from such unauthorized use or reliance.

Unless informed otherwise, HW assumes that the Client intends to use this Phase I ESA in qualifying for one of the Landowner Liability Protections offered by the Small Business Liability Relief and Brownfields Revitalization Act and the regulations set forth at 40 CFR 312.

This report may be relied upon by the ASLD only. Reliance on this document by any other party is forbidden without the express written consent of HW and that party's acceptance of mutually agreeable terms and conditions. Use of this report for purposes beyond those reasonably intended by the ASLD and HW will be at the sole risk of the user.

2 SITE DESCRIPTION

Understanding of the subject property's physical setting is important to the recognition of environmental impacts to the property.

2.1 Location and Description

The approximately 370-acre subject property is located in the Ahwatukee Foothills Village between Chandler Boulevard and the Loop 202 and the alignments of 19th and 27th avenues in Phoenix, Arizona (Figure 1). The subject property is located within Section 36 of Township 1S, Range 2E of the Gila and Salt River Baseline and Meridian (USGS 7.5 minute quadrangle: Lone Butte). Information obtained from the Maricopa County Assessor's website indicates that the subject property consists of Assessor Parcel Numbers (APNs) 300-96-708A, 300-96-709A, 300-96-710, 300-96-711, 300-96-713, and 300-96-714; these parcels of State Trust Land are administered by the ASLD. The ASLD also administers three parcels on the south side of Loop 202 that include a transmission line easement; these parcels were not evaluated in the report. HW understands that the subject property is involved in a potential real estate transaction.

2.2 Site and Vicinity General Characteristics

The subject property consists of undeveloped desert land. The subject property is bordered to the south by the Loop 202 and to the north by Chandler Boulevard; the 19th Avenue alignment is the eastern boundary of the subject property, and 27th Avenue borders to the west. Adjacent lands to the east and west include residential subdivisions; the property to the north is undeveloped and included within the City of Phoenix South Mountain Park and Preserve. Along the southern boundary, a sewer line was actively being constructed on the date of the site visit north of the Loop 202. The Gila River Indian Reservation lies south of the Loop 202 and the transmission line easement.

2.3 Current Use of the Property

The subject property is currently undeveloped desert. The subject property currently has no residences or other constructed features.

According to the Maricopa County Assessor's map, the subject property is zoned as planned community development (PCD).

2.4 Descriptions of Structures, Roads, and Other Improvements

2.4.1 Structures

No buildings or structures are located on the subject property.

2.4.2 Roads

The subject property is accessible via Chandler Boulevard, which forms the northern property boundary. Loop 202 borders the southern boundary of the subject property. The 19th Avenue alignment lies along the east property boundary, and future access would be likely from the extension of Liberty Lane, which currently terminates at the eastern boundary line. There are no internal roads; formal or informal trails exist roughly along the perimeter of the site.

2.4.3 Utilities

The subject property is located within the service area of Salt River Project (SRP) for electricity. A 500-kilovolt (kV) transmission line parallels the southern boundary of the subject property on the south side of the Loop 202. SRP's Marley substation is located adjacent to the east side of the subject property, south of Liberty Lane. The subject property is within the service area of the City of Phoenix for potable water, sanitary sewer, and trash and recycle collection. The subject property is located within the service area of Southwest Gas for natural gas.

2.4.4 Surface Water

No surface waters were observed on the subject property at the time of the site reconnaissance. Ephemeral drainage features convey storm water in direct response to precipitation events across the project area generally from the north to the south and southwest. The subject property includes the apex of an alluvial fan near the northwest corner; large culverts convey storm water across Chandler Blvd near the northeast and northwest corners of the subject property; limited related drainage improvements/ stabilization has been constructed on the subject property at these locations. Several drainage improvements have been constructed along the southern edge of the subject property to facilitate drainage across (under) the Loop 202.

The National Wetlands Inventory (NWI) identifies three ephemeral drainage features as R4SBJ:

Riverine (R): The Riverine system includes all wetlands and deepwater habitats contained within a channel, with two exceptions: (1) wetlands dominated by trees, shrubs, persistent emergent, emergent mosses, or lichens, and (2) habitats with water containing ocean-derived salts of 0.5 ppt or greater. A channel is an open conduit either naturally or artificially created which periodically or continuously contains moving water, or which forms a connecting link between two bodies of standing water.

Intermittent (4): This subsystem includes channels that contain flowing water only part of the year. When the water is not flowing, it may remain in isolated pools or surface water may be absent.

Streambed (SB): Includes all wetlands contained within the intermittent subsystem of the Riverine system and all channels of the Estuarine system or of the Tidal subsystem of the Riverine system that are completely dewatered at low tide.

Intermittently Flooded (J): The substrate is usually exposed, but surface water is present for variable periods without detectable seasonal periodicity. Weeks, months, or even years may intervene between periods of inundation. The dominant plant communities under this water regime may change as soil moisture conditions change. Some areas exhibiting this water regime do not fall within our definition of wetland because they do not have the hydric soils or support hydrophytes. This water regime is generally limited to the arid west.

The U.S. Fish and Wildlife Service (USFWS) mapping standards caution against relying on the data for regulatory purposes, clarify that the NWI is a high-level representation of data, and stress the need for project-specific review of the data. Also “riverine” systems, which by definition in the Cowardin classification system, exclude “wetlands” (Cowardin et al., 1979). Mapping and data from the NWI does not and should not be interpreted to identify or locate “wetlands” or “waters of the U.S.” defined under the Clean Water Act.

2.5 Current Uses of Adjoining Properties

Nearby property use could potentially impact the surface and subsurface conditions of a property. Nearby property use is presented below according to geographic location with respect to the site:

Table 1. Use of Immediately Adjoining Properties

Direction	Occupant	Use	Comments
North	City of Phoenix	Undeveloped desert (South Mountain Park and Preserve)	The City park begins approximately 500 feet north of the northeast corner of the subject property.
East	Residential development	Master planned community	Residential development lies to the east of the subject property. The SRP Marley substation is located near the southeast corner of the subject property.
South	Loop 202 (ADOT); transmission line easement; Gila River Indian Reservation	Sewer line (under construction), freeway, and transmission line are north of the Gila River Indian Reservation, which is undeveloped desert and agricultural land	The newly constructed Loop 202 borders the property on the south; a sewer line was under construction on the day of the site visit on the north side of the freeway. Parallel to and south of the freeway is a 500 kV electrical transmission line. Bureau of Indian Affairs Road 32 parallels the southern boundary on the Gila River Indian Reservation. Beyond the road lies undeveloped desert and agricultural fields.
West	Residential development	Master planned community	Residential development lies to the west of the subject property.

3 USER PROVIDED INFORMATION

3.1 Title Records

Title records were not provided to HW for this assessment.

3.2 Environmental Liens or Activity and Use Limitations

Title records, including environmental lien or activity/use limitations recorded against the subject property, were not provided to HW for our review during this assessment.

3.3 Specialized Knowledge

Mr. Bruce Campbell, representative for the ASLD did not report having specialized knowledge or experience that is material to recognized environmental conditions in connection with the subject property (Appendix B).

3.4 Valuation Reduction for Environmental Issues

ASTM E1527-13 requires an evaluation of the relationship of the purchase price to the fair market value of the property. HW has not been provided with an appraisal for the subject property, but understands that the property value of the subject property has not been adversely affected by a perception of possible or known environmental contamination. No environmental issues were identified by the user/client that could result in property value reduction.

3.5 Owner, Property Manager and Occupant Information

No written or verbal communication with the property owner's representative revealed information suggesting that there are current or historical recognized environmental conditions associated with the subject property (see Section 5.0).

3.6 Reason(s) for Performing Phase I Environmental Site Assessment

HW prepared this Phase I ESA report on behalf of the ASLD to provide a basis to assert the Comprehensive Environmental Response, Compensation and Liability Act Landowner Liability Protections, as necessary. HW prepared this Phase I ESA report (as defined by ASTM Standard E 1527-13) as part of the Client's 'All Appropriate Inquiry' into the environmental condition of the subject property in accordance with 40 CFR Part 312.

3.7 Other

No other user-provided information was reviewed by HW during this assessment.

4 SITE RECONNAISSANCE

4.1 Methodology and Limiting Conditions

HW conducted the site reconnaissance for this Phase I ESA on August 26, 2020 to visually and physically observe the subject property and any structures located on the subject property, as well as the surrounding area. The objective of the site reconnaissance was to obtain information indicating the likelihood of identifying RECs in connection with the subject property. The following provides a summary of the on-site conditions pertinent to this ESA. Site reconnaissance photographs are included in Appendix A.

HW personnel Sheila Logan, Manager – Environmental Services, and Cutter McCue, GIS Analyst, conducted the site visit. The visual reconnaissance was initiated at approximately 6 AM and consisted of walking and driving the boundaries of the subject property and traversing the areas with limited visibility. Drone footage was used to supplement the pedestrian and vehicular surveys. Adjacent properties and surrounding areas were viewed from the subject property and by vehicle from publicly accessible roads in the vicinity of the subject property (to the extent that observations were not limited by fencing, buildings, or other obstructions). Weather conditions at the time of the site reconnaissance were clear (but with a slight haze) and warm (approximately 90°F).

If warranted, features or observation identified via the drone were to be verified by ground personnel. Limited occurrences of windblown debris were observed along with a few occurrences of relatively small construction debris piles (e.g., broken concrete); these were generally observed closer to the perimeter of the subject property.

4.2 General Setting

The subject property consists of undeveloped desert land.

4.3 On-Site Observations

The following conditions were specifically assessed for their potential to create RECs:

4.3.1 Storage Tank

No visible indications of existing underground storage tanks (USTs) or aboveground storage tanks (ASTs) were observed on the site.

4.3.2 Hazardous and Petroleum Products: Containers/Drums/Storage

No hazardous chemicals, petroleum products, drums, or other containers were observed on the site at the time of the site reconnaissance.

4.3.3 Heating and Cooling

No heating and/or cooling units were observed on the site.

4.3.4 Solid Waste

Minor amounts of metal, plastic, concrete, and wood solid waste were observed on the subject property.

4.3.5 Sewage Disposal/Septic Tanks

Municipal sewer service is provided to the site vicinity by the City of Phoenix; sewer lines were observed along the north and west boundaries of the subject property. A new sewer line was under construction north of the Loop 202 along the southern boundary of the subject property at the time of the site visit.

4.3.6 Hydraulic Equipment

No hydraulically operated equipment was observed on the subject property. Heavy equipment was parked at the southwest corner of the site, and heavy equipment was in operation as part of the sewer line construction at the southeast corner of the site. A graded area at the southwest corner of the site may have been used as a construction laydown area during construction of the Loop 202.

4.3.7 Contracted Maintenance Services

The subject property does not have contracted maintenance services.

4.3.8 Electrical Transformers

Electrical transformers may be a source of RECs due to the potential presence of polychlorinated biphenyls (PCBs) contained in dielectric fluids used in some units. No electrical transformers were observed within the subject property, though several new transformers were observed adjacent to the boundaries of the subject property. Several transformers were located along the north side of Chandler Blvd, spaced approximately 1,000 feet apart. Existing transformers were also observed within the residential developments to the east and west of the subject property, and adjacent to the Marley substation near the southeast corner. These are new installations and not anticipated to contain PCBs; no leaks were observed.

4.3.9 Water Supply and Wells

No wells were observed on the subject property; no wells are indicated within the subject property by mapping provided by the Arizona Department of Water Resources (ADWR) well registry.

4.3.10 Drains and Sumps

No drains or sumps were observed on the subject property.

4.3.11 Pits, Ponds, Lagoons, and Surface Waters

No pits, ponds, lagoons or other surface waters were observed on the subject property at the time of the site reconnaissance. Culverts have been constructed along the northern and southern boundaries of the subject property under Chandler Boulevard and the Loop 202, respectively. For a further discussion of surface waters, see Section 2.4.4.

4.3.12 Stressed Vegetation

Visible indications of stressed vegetation were not observed on the subject property other than vegetation stressed by drought and summer temperatures that have been above average for a prolonged period in advance of the site visit.

4.3.13 Odors

No odors were detected at the subject property.

4.3.14 Dry Cleaning

Dry cleaning operations are frequently sources of RECs due chlorinated solvents used in the cleaning process. No dry cleaning operations were observed on the subject property.

4.3.15 Other Observations

A natural gas line parallels the western boundary of the subject property. No other observations were made at the subject property.

5 INTERVIEWS

5.1 Owner

HW contacted Mr. Bruce Campbell with the ASLD regarding information about the subject property. Mr. Campbell also completed an Owner Questionnaire (Appendix B). To his knowledge, there were no environmental concerns associated with the site. Mr. Campbell was forthcoming with this information.

5.2 Site Manager

See Section 5.1.

5.3 Occupants

The subject property is currently unoccupied.

5.4 Local Government Officials

HW contacted the City of Phoenix Fire Department regarding environmental incidents at the site or in the immediate surrounding area; the site does not have a physical address, and records were not available from the City of Phoenix Fire Department.

5.5 Others

No other interviews were performed during this assessment.

6 RECORDS REVIEW

6.1 Standard Environmental Records Sources

HW contracted with EDR to conduct a search for regulatory information in the area of the subject property. This regulatory records search is based on information published by state and federal regulatory agencies and is used to evaluate if the subject property or nearby properties are listed as having a past or present record of actual or potential environmental impact. Listings include only those sites that are known to the regulatory agencies at the time of publication to be 1) contaminated, 2) in the process of evaluation for potential contamination, or 3) regulated. Inclusion of a facility in a

government database list does not necessarily indicate that the facility has an environmental problem. Some facilities may be listed on more than one database.

The following table summarizes the results of the review of the "standard federal, state, and tribal environmental record sources" conducted as part of this ESA, including the standard minimum search distances for each record source and whether the search distance was modified. In addition to the standard record sources, EDR includes results from a suite of additional databases. A copy of the information provided by EDR is attached in Appendix C, which includes descriptions of each database. *No sites* were identified from the search of standard federal, state, and tribal environmental record sources in the EDR database report, indicating no government record of spills, environmental cleanups, or other hazardous waste or petroleum releases.

Table 2. Map Findings Summary

Database	Target Property Listed	Standard Search Distance (miles)	Number of Sites Reported within Standard Search Distance					Total Sites Plotted
			<⅛ mi	⅛ – ¼ mi	¼ – ½ mi	½- 1 mi	>1 mi	
NPL		1	0	0	0	0	NR	0
Proposed NPL		1	0	0	0	0	NR	0
NPL LIENS		1	0	0	0	0	NR	0
Delisted NPL		1	0	0	0	0	NR	0
CORRACTS		1	0	0	0	0	NR	0
RCRA-TSDF		½	0	0	0	NR	NR	0
RCRA-LQG		¼	0	0	NR	NR	NR	0
RCRA-SQG		¼	0	0	NR	NR	NR	0
RCRA-CESQG		¼	0	0	NR	NR	NR	0
US ENG CONTROLS		½	0	0	0	NR	NR	0
US INST CONTROL		½	0	0	0	NR	NR	0
ERNS		site	NR	NR	NR	NR	NR	0
LUCIS		½	0	0	0	NR	NR	0
SEMS		½	0	0	0	NR	NR	0
SEMS-ARCHIVE		½	0	0	0	NR	NR	0
FEDERAL FACILITY		½	0	0	0	NR	NR	0
FEMA UST		¼	0	0	NR	NR	NR	0
SHWS		1	0	0	0	0	NR	0
SWF/LF		½	0	0	0	NR	NR	0
LUST		½	0	0	0	NR	NR	0
UST		¼	0	0	NR	NR	NR	0
AST		¼	0	0	NR	NR	NR	0
AUL		½	0	0	0	NR	NR	0
VCP		½	0	0	0	NR	NR	0
BROWNFIELDS		½	0	0	0	NR	NR	0
AST 2		¼	0	0	NR	NR	NR	0
SPL		1	0	0	0	0	NR	0
AZ NPL		1	0	0	0	0	NR	0
WQARF		1	0	0	0	0	NR	0
AZURITE		½	0	0	0	NR	NR	0
INDIAN LUST		½	0	0	0	NR	NR	0
INDIAN UST		¼	0	0	NR	NR	NR	0
INDIAN VCP		½	0	0	0	NR	NR	0

6.2 Additional Environmental Record Sources

The EDR records search identified the Gila River Indian Reservation located to the south of the subject property within 1/8 mile of the southern border.

The EDR Orphan Site list consists of sites with poor address quality, usually without zip code information. However, if street addresses are available, these site locations are checked against the known vicinity of the subject property to evaluate their potential for being located within the select ASTM search radii. Four orphan sites were identified by the EDR search within ASTM-specified radii of the site. None of these sites pose a risk to the subject property due to the distance and nature of the sites:

- *Sanitary Laundry Company*: This site was located at the corner of 16th Avenue and Grande Avenue, nearly eleven miles north of the subject property.
- *WQ-East Central Phoenix*: The nearest Water Quality Assurance Revolving Fund (WQARF) site is the West Van Buren site, located approximately 8.5 miles to the north (Arizona Department of Environmental Quality [ADEQ] eMaps, 2020).
- *19th Avenue Landfill*: This site was located near 19th Ave and Lower Buckeye Road, eight miles north of the subject property.
- *Rio Salado Project – Phoenix reach*: This site is located more than nine miles to the northeast of the subject property.

In addition, a review of historical topographic maps (USGS, 1952) revealed the location of the Phoenix Proving Grounds adjacent to the eastern boundary of the subject property. General Motors first used this land during World War II to test parts they supplied to the U.S. Army for their tanks (Arroyo Rodriguez, 2016). After the war, International Harvester leased and later purchased the site to test drive heavy equipment for durability and performance in desert conditions. The site also included a dirt landing strip. The proving grounds covered approximately four thousand acres and was used from the 1950s to the 1980s. International Harvester sold the land for development in the 1980s; the newly constructed Desert Foothills Parkway follows the path of one of the test tracks. It is not anticipated that this facility has had or currently has an adverse environmental impact on the subject property.

6.3 Physical Setting Source(s)

A consideration of surface and subsurface drainage and geology are of interest since they provide an indication of the direction that contamination could be transported if present on or off the subject property. The purpose of this study is not to evaluate the geotechnical conditions of the subject property or to assess engineering/geological concerns, such as foundation conditions, faulting, or subsidence.

6.3.1 Geologic Setting

The site is situated in the Basin and Range Physiographic Province of Arizona, which is characterized by northwest-southeast trending mountain ranges separated by broad alluvial valleys. According to the USGS 7.5' Topographic Map of Lone Butte, Arizona (2018) and a review of Google Earth, the elevation of the subject property ranges from approximately 1,270 feet above mean sea level (amsl) at the northeast corner, to an elevation of approximately 1,100 feet amsl on the southern boundary.

The subject property is situated in southern foothills to South Mountain, which is a prominent landmark. South Mountain occurs as part of the block-fault mountains that typify the physiographic

province. From the *Arizona Geological Survey Bulletins*, "The South Mountains of central Arizona are a typical, but geologically simple, metamorphic core complex. The western half of the range [including the portion adjacent to the north of the subject property] is underlain by Precambrian metamorphic and granitic rocks, whereas the eastern half is primarily a composite middle Tertiary pluton." (Reynolds 1985).

According to data obtained by EDR from the U.S. Department of Agriculture (USDA) Web Soil Survey for Maricopa County (2014), approximately half of the subject property is comprised of Antho sandy loams, with a smaller portions of Carrizo-Ebon complex and Ebon gravelly loam soils. These soil groups are comprised of sandy loam, sandy clay loam, gravelly loam, gravelly sandy loam, and very cobbly clay loam found on alluvial fans, channels, and stream terraces. The Antho-Carrizo complex is considered prime farmland if irrigated and protected from flooding or not frequently flooded during the growing season; the subject property is not irrigated.

6.3.2 Groundwater

The EDR Radius Map Report Geocheck— Physical Setting Source Summary did not identify any groundwater wells or public water systems in the vicinity of the subject property.

The subject property lies within the Pinal Active Management Area groundwater subbasin. Given the location of the subject property at the foothills of South Mountain, bedrock would be anticipated to occur generally at or near the surface.

The ADWR Water Atlas Volume 8 (2010) indicates that that the regional groundwater gradient is toward the Gila River, which wraps around the southwestern toe of South Mountain.

6.3.3 Surface Drainage

As defined by the USGS hydrologic units, the subject property lies within the Middle Gila Subbasin, which includes the approximately 447-square mile Firebird Lake-Gila River watershed. Locally, the project area lies within the approximately 42-square mile South Mountain subwatershed (hydrologic unit code [HUC 12] 150501001106).

Surface drainage occurs from north to south and southwest, with ephemeral drainages conveying storm water that occurs in direct response to precipitation from the foothills of South Mountain toward the Gila River, which lies to the south and southwest of the subject property, wrapping around the western end of South Mountain.

6.4 Historical Use Information on the Property

Under ASTM E1527-13, this assessment must evaluate reasonably ascertainable historic land use documentation back to the property's first developed use, or back to 1940, whichever is earlier. HW reviewed aerial photographs, USGS topographic maps, and other sources of information, as available, to ascertain the historical uses of the site and immediately adjacent properties. Information was obtained dating back to 1940. The following sections document our research of the subject property using Standard Historical Sources (Appendix D), where pertinent data was readily available. Historical documents reviewed indicated that the site has consisted of native desert.

6.4.1 Aerial Photographs

According to aerial photographs dated 1936, 1949, 1954, 1961, 1964, 1979, 1981, 1986, 2007, 2010, 2013, and 2017, obtained from EDR (Appendix D), the site consisted of undeveloped land from the first aerial photograph in 1936 until the present.

Table 3. Aerial Photograph Review

Date(s)	Property Comments	Surrounding Area Comments
1936	The subject property consists of native desert land.	The surrounding area to the north, east, and west consists of native desert land. On the south, a levee and cleared area for farm fields are visible on the Gila River Indian Reservation.
1949	The subject property consists of native desert land.	The dirt BIA Road 32 is visible.
1954	No visible changes from the prior aerial photo.	The area near the levee has been graded and cleared; the farm fields have extended and come up to the edge of the levee (south of the subject property). To the east of the subject property, the western edge of the Phoenix Proving Grounds track is visible.
1958	No visible change from the prior aerial photo.	The farm fields to the south are clearly visible with furrows running N-S. The track to the east is actively in use, judging from the clean outline in the image.
1961	No visible change from the prior aerial photo.	This image is largely the same as the prior aerial photo.
1964	No visible change from the prior aerial photo.	This image is largely the same as the prior aerial photo.
1979	No visible change from the prior aerial photo.	A portion of the Phoenix Proving Ground track has been extended toward the southeast corner of the subject property.
1981	No visible change from the prior aerial photo.	This image is largely the same as the prior aerial photo.
1986	No visible change from the prior aerial photo.	This image is largely the same as the prior aerial photo.
2007	No visible change from the prior aerial photo.	Residential developments, with paved interior streets have been constructed on the east and west sides of the subject property. The developments are mostly built out. Chandler Boulevard to the north and a paved road to the west (also labeled as Chandler Boulevard) are visible. Pecos Road is visible along the southern boundary.
2010	No visible change from the prior aerial photo.	The developments are further built out in this photo.
2013	No visible change from the prior aerial photo.	This image is largely the same as the prior aerial photo.
2017	The subject property is still undeveloped desert.	More houses have been constructed in the area of the Foothills development proximate to the southeast corner of the subject property.

6.4.2 Fire Insurance Maps

The subject property was labeled as ‘unmapped’ in Sanborn Fire Insurance Map Report.

6.4.3 Tax Records

HW was not provided with tax cards or deed information for the site.

6.4.4 Topographic Maps

USGS topographic maps for the subject property area (dated 1912, 1914, 1952, 1967, 1973, and 2014), obtained from the U.S. Geological Survey (Appendix D), depict the subject property as described below:

Table 4. Topographic Map Review

Date(s)	Quadrangle (or Map/ Scale)	Property Comments	Surrounding Area Comments
1912	Lone Butte	The subject property is undeveloped desert.	The surrounding area is undeveloped desert. A levee is visible to the south of the subject property.
1914	Flores	No change from the prior map	No change from the prior map
1952		No change from the prior map	Just east of the subject property, a portion of the Phoenix Proving Grounds track is visible. The Gila River Indian Reservation is shown proximate to the southern boundary of the subject property. A dirt road runs NW-SE to the southeast corner of the subject property and then parallels the southern boundary along the future Loop 202 alignment. This road is labeled BIA Rd 32 on future maps. To the north of the subject property, the South Mountain Park/Preserve boundary is labeled.
1967		No change from the prior map	The area around the subject property is largely the same. More roads are visible within the Phoenix Proving Ground track, and cleared areas are marked adjacent and to the north of the track.
1973		No change from the prior map	The area surrounding the subject property is largely the same as the prior map.
2014		The subject property is shown as undeveloped desert	Pecos Road has been constructed along the southern boundary of the subject property. Residential developments to the east and west of the subject property are shown. The levee and roads on the Indian reservation are not shown on this map.

6.4.5 Local Street Directories/Other Industrial Directories

City directories were not researched for the subject property.

6.4.6 Previous Environmental Reports

No previous reports were available for review.

7 FINDINGS/CONCLUSIONS

HW performed a Phase I ESA in general accordance with the scope and limitations of ASTM E1527-13 for the South Mountain 370 property, an undeveloped parcel of desert land located between Chandler Boulevard and the Loop 202 and the 19th and 27th avenue alignments in Phoenix, Arizona. Any exceptions to or deletions from this practice are described in the appropriate sections of this report.

The site reconnaissance was performed on August 26, 2020. Based on the findings of our Phase I ESA at the subject property, HW offers the following comments relative to RECs.

7.1 On-Site Concerns

The subject property was not identified on the regulatory databases reviewed for our assessment. There are no indications that the past or present uses of the subject property have created RECs in relation to the subject property or its surroundings.

7.2 Off-Site Concerns

The past and present uses of the immediate surroundings to the subject property appear to pose no RECs in relation to the subject or the surrounding properties.

8 OPINIONS AND RECOMMENDATIONS

Based on the information obtained during this assessment, it is HW's opinion that this assessment has revealed no evidence of *recognized environmental conditions*, including *historical recognized environmental conditions* and *controlled recognized environmental conditions*, or *de minimis* conditions associated with the *subject property*. No further assessment is recommended at this time.

9 ENVIRONMENTAL PROFESSIONAL STATEMENT

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

9/16/2020

Sheila A. Logan, PE, Manager – Environmental Services

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EDR Certified Sanborn Map Report, Inquiry Number: 6156880.3; dated August 14, 2020

EDR Historical Topo Map Report, Inquiry Number: 6156880.4; dated August 14, 2020.

EDR City Directory Image Report, Inquiry Number: 6156880.5, dated August 14, 2020.

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Personal Communication with Mr. Bruce Campbell with the ASLD on August 26, 2020.

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Figures

FIGURE 1: PROJECT LOCATION

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SOUTH MOUNTAIN 370
MARICOPA COUNTY, ARIZONA

N

0 250 500 Feet
1 in = 500 ft

Appendix A: Photographs

Photo Label 1 Direction: N

View from northeast corner of the project area facing north.

Photo Label 2 Direction: E

View from northeast corner of the project area facing east.

Photo Label 3 Direction: S

View from northeast corner of the project area facing south.

Photo Label 4 Direction: W

View from northeast corner of the project area facing west.

Photo Label 5 Direction: E

View from eastern border of project area facing east at Liberty Lane.

Photo Label 6 Direction: W

View from eastern border of project area facing west.

Photo Label 7 Direction: N

View from eastern border of project area facing north.

Photo Label 8 Direction: S

View from eastern border of project area facing south.

Photo Label 9 Direction: NE

View from northern part of project area of drainage feature facing northeast.

Photo Label 11 Direction: N

View near northern border of project area of rock debris piles containing two different rock types.

Photo Label 13 Direction: N

View from northwest corner of the project area facing north.

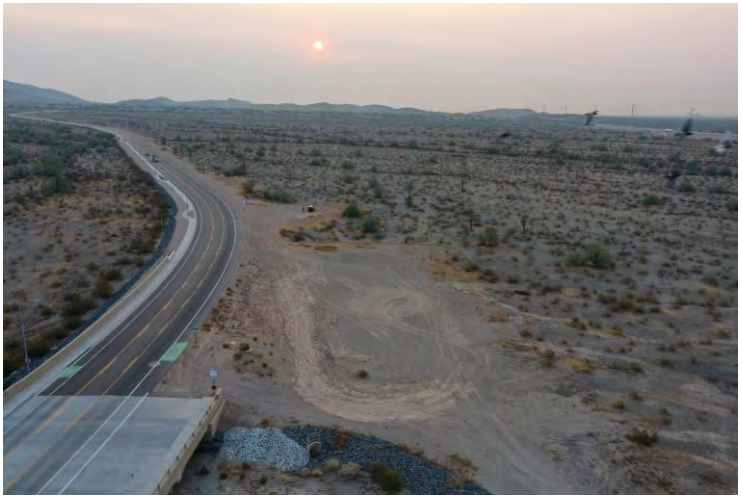

Photo Label 14 Direction: E

View from northwest corner of the project area facing east.

Photo Label 15 Direction: S

View from northwest corner of the project area facing south.

Photo Label 16 Direction: W

View from northwest corner of the project area facing west.

Photo Label 17 Direction: Down

View of cardboard box debris.

Photo Label 18 Direction: Down

View of litter in wash.

Photo Label 19 Direction: Down

View of disturbed land.

Photo Label 22 Direction: N

View near center of project area facing north.

Photo Label 23 Direction: E

View near center of project area facing east.

Photo Label 24 Direction: S

View near center of project area facing south.

Photo Label 25 Direction: W

View near center of project area facing west.

Photo Label 26 Direction: SW

View of contruction near southwest corner.

Photo Label 27 Direction: N

View from southwest corner of the project area facing north.

Photo Label 28 Direction: E

View from southwest corner of the project area facing east.

Photo Label 29 Direction: S

View from southwest corner of the project area facing south.

Photo Label 30 Direction: W

View from southwest corner of the project area facing west.

Photo Label 31 Direction: N

View from southeast corner of the project area facing north.

Photo Label 32 Direction: E

View from southeast corner of the project area facing east.

Photo Label 33 Direction: S

View from southeast corner of the project area facing south.

Photo Label 34 Direction: W

View from southeast corner of the project area facing west.

Photo Label 37 Direction: SW

View near southern border of project area of scattered debris piles.

Photo Label 38 Direction: N

View from southern border of the project area facing north.

Photo Label 39 Direction: E

View from southern border of the project area facing east.

Photo Label 40 Direction: S

View from southern border of the project area facing south.

Photo Label 41 Direction: W

View from southern border of the project area facing west.

Photo Label 43 Direction: Down

View of disturbed land.

Photo Label 45 Direction: S

View of part of a trail/path?

Photo Label 46 Direction: E

View of debris in wash.

Photo Label 47 Direction: N

View of rock piles that do not look natural.

Photo Label 48 Direction: N

View of scattered wooden debris pile.

Photo Label 49 Direction: E

View of scattered wooden debris piles.

Photo Label 50 Direction: Down

View of scattered rock debris piles.

Photo Label 51 Direction: Down

View of scattered wooden debris piles.

Photo Label 52 Direction: Down

View of scattered wooden debris piles.

Photo Label 53 Direction: Down

View of scattered rock debris piles.

Photo Label 54 Direction: SE

View near southeastern corner of project area of transformer utility box.

Photo Label 55 Direction: E

View along eastern border of project area facing east showing the substation.

Photo Label 63 Direction: S

Facing south from southwest corner; entrance to sewer line construction project

Photo Label 64 Direction: Down

Gas pipeline at southwest corner

Photo Label 117 Direction: S

Change in surface near northwest corner; construction debris

Photo Label 127 Direction: N

Grave marker? (somewhat near northwest corner)

Photo Label 163 Direction: S

Dirt piles near northwest corner, adjacent to drainage improvements

Appendix B: User/Owner Questionnaires

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PHASE I ENVIRONMENTAL SITE ASSESSMENT
USER QUESTIONNAIRE

Introduction: In order to qualify for Landowner Liability Protections (LLPs)[1] offered by the Small Business Liability Relief and Brownfields Revitalization Act (the "Brownfields Amendments"),[2] the *user* **must provide** the following information (if available) to the *environmental professional*. Failure to provide this information could result in a determination that "all appropriate inquiry" is incomplete.

Site Information:
HW Project No. _____
County Maricopa Assessor Parcel Number(s): 300-96-708A, 709A, 711, 713, 714

1. **Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25).**

   Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?
   ☐ Yes ■ No If yes, please explain.

2. **Activity and land use limitations that are in place on the site or have that been filed or recorded in a registry (40 CFR 312.26).**

   Are you aware of any Activity Use Limitations (AULs), such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?
   ☐ Yes ■ No If yes, please explain.

[1] Landowner Liability Protections, or LLPs, is the term used to describe the three types of potential defenses to Superfund liability in EPA's *Interim Guidance Regarding Criteria Landowners Must Meet in Order to Qualify for Bona Fide Prospective Purchaser, Contiguous Property Owner, or Innocent Landowner Limitations on CERCLA Liability ("Common Elements"* Guide) issued on March 6, 2003.

[2] P.L. 107-118.

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3. **Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).**

As the user of this ESA do you have any specialized knowledge or experience related to the property or nearby properties?

☐ Yes ■ No

For example, are you involved in the same line of business as the current or former *occupants* of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

☐ Yes ■ No If yes, please explain.

4. **Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29).**

Does the purchase price being paid for this property reasonably reflect the fair market value of the property?

■ Yes ☐ No

If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

☐ Yes ■ No If yes, please explain.

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5. **Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).**
Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases?
☐ Yes ■ No. For example, as user:

Do you know the past uses of the property?
☐ Yes ■ No If yes, please explain.

a) Do you know of specific chemicals that are present or once were present at the property?
☐ Yes ■ No If yes, please explain.

b) Do you know of spills or other chemical releases that have taken place at the property?
☐ Yes ■ No If yes, please explain.

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c) Do you know of any environmental cleanups that have taken place at the property?
☐ Yes ■ No If yes, please explain.

6. **The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).**
As the user of this ESA, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?
☐ Yes ■ No If yes, please explain.

8/27/2020
Signed/Date

Bruce Campbell, Arizona State Land Dept.
Printed Name
Property Owner/Representative

Please indicate your relationship to the site from the following:

- Current Property Owner
- Former Property Owner
- Potential Buyer of Property
- Real Estate Agent
- Other (please explain) _____

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If available, certain information should be collected and provided to the environmental professional selected to conduct the Phase I ESA. This information is intended to assist the environmental professional, but is not necessarily required to qualify for one of the LLPs. The information requested includes:

The reason why the Phase I is required

The type of property and type of property transaction, for example, sale, purchase, exchange, etc.

Undeveloped desert

The complete and correct address for the property (a map or other documentation showing property location and boundaries is helpful)

N/A

The scope of services desired for the Phase I (including whether any parties to the property transaction may have a required standard scope of services or whether any considerations beyond the requirements of Practice E 1527 are to be considered)

Identification of all parties who will rely or request reliance on the Phase I report

Identification of the site contact and how the contact can be reached

Any special terms and conditions which must be agreed upon by the environmental professional

Any other knowledge or experience with the property that may be pertinent to the environmental professional (for example, copies of any available prior environmental site assessment reports, documents, correspondence, etc., concerning the property and its environmental condition)

Appendix C: Regulatory Records

South Mountain 370
Ahwatukee Foothills Village
Phoenix, AZ 85045

Inquiry Number: 6156880.2s
August 14, 2020

The EDR Radius Map™ Report with GeoCheck®

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

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	9
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-9
Physical Setting Source Map Findings	A-11
Physical Setting Source Records Searched	PSGR-1

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

AHWATUKEE FOOTHILLS VILLAGE
PHOENIX, AZ 85045

COORDINATES

Latitude (North):	33.2951560 - 33˚ 17' 42.56''
Longitude (West):	-112.1085420 - -112˚ -6' -30.75''
Universal Tranverse Mercator:	Zone 12
UTM X (Meters):	396785.9
UTM Y (Meters):	3684364.8
Elevation:	1157 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	6718637 LONE BUTTE, AZ
Version Date:	2014
West Map:	6718635 LAVEEN, AZ
Version Date:	2014

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150529
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
AHWATUKEE FOOTHILLS VILLAGE
PHOENIX, AZ 85045

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	GILA RIVER INDIAN RE		INDIAN RESERV	Same	229, 0.043, South

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 CORRACTS facilities list

CORRACTS ..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ..... RCRA - Large Quantity Generators
RCRA-SQG ..... RCRA - Small Quantity Generators
RCRA-VSQG ..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ..... Land Use Control Information System

EXECUTIVE SUMMARY

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

AZ NPL..... NPL Detail Listing
AZ WQARF..... Water Quality Assurance Revolving Fund Sites

State- and tribal - equivalent CERCLIS

SPL..... Superfund Program List
SHWS..... ZipAcids List

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

SWF/LF..... Directory of Solid Waste Facilities

State and tribal leaking storage tank lists

LUST..... Leaking Underground Storage Tank Listing
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
UST..... Underground Storage Tank Listing
AST..... List of Aboveground Storage Tanks
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

AZURITE..... Remediation and DEUR/VEMUR Tracking System
AUL..... DEUR Database

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing
VCP..... Voluntary Remediation Program Sites

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Tracking System

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

SWTIRE..... Solid Waste Tire Facilities

EXECUTIVE SUMMARY

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
CDL	Clandestine Drug Labs
US CDL	National Clandestine Laboratory Register
PFAS	PFAS Contamination Site Listing

Local Land Records

LIENS 2	CERCLA Lien Information

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
SPILLS	Hazardous Material Logbook
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
PADS	PCB Activity Database System
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
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

EXECUTIVE SUMMARY

ABANDONED MINES..... Abandoned Mines
FINDS..... Facility Index System/Facility Registry System
UXO..... Unexploded Ordnance Sites
DOCKET HWC..... Hazardous Waste Compliance Docket Listing
ECHO..... Enforcement & Compliance History Information
FUELS PROGRAM..... EPA Fuels Program Registered Listing
AIRS..... Arizona Airs Database
Aquifer..... Waste Water Treatment Facilities
AZ DOD..... Department of Defense Sites
Dry Wells..... Drywell Registration
DRYCLEANERS..... Drycleaner Facility Listing
EMAP..... All Places of Interest Listing
Enforcement..... Enforcement and Violation Listing
Financial Assurance..... Financial Assurance Information Listing
MANIFEST..... Facility and Manifest Data
SPDES..... NPDES
VAPOR..... Vapor Intrusion
UIC..... Underground Injection Control Wells
WWFAC..... Waste Water Treatment Facilities
MINES MRDS..... Mineral Resources Data 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 HWS..... Recovered Government Archive State Hazardous Waste Facilities List
RGA LF..... Recovered Government Archive Solid Waste Facilities List
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.

EXECUTIVE SUMMARY

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

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

A review of the INDIAN RESERV list, as provided by EDR, and dated 12/31/2014 has revealed that there is 1 INDIAN RESERV site within approximately 1 mile of the target property.

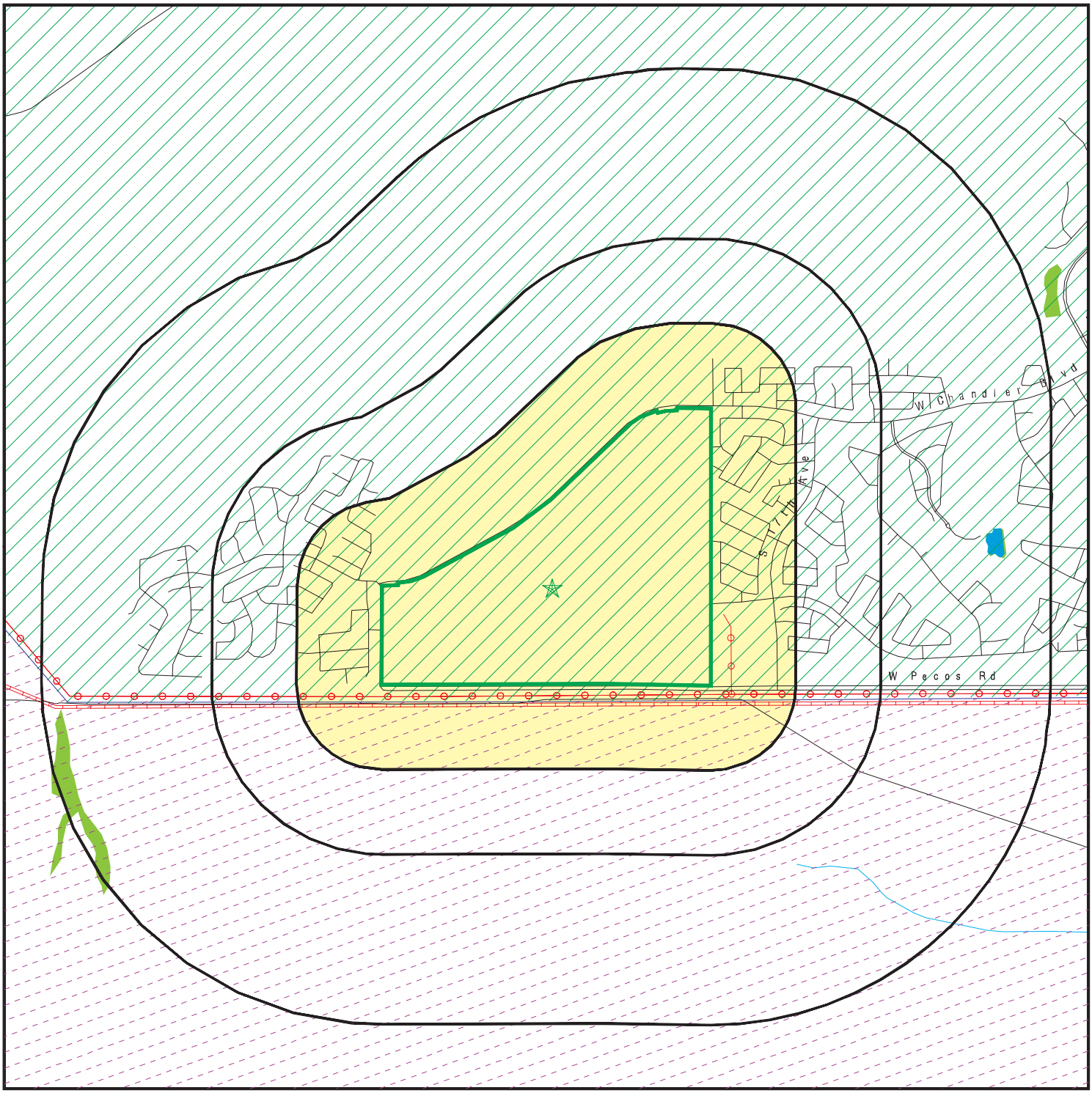
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GILA RIVER INDIAN RE		S 0 - 1/8 (0.043 mi.)	0	8

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 4 records.

Site Name	Database(s)
WQ-EAST CENTRAL PHOENIX	SHWS
RIO SALADO PROJECT - PHOENIX REACH	SHWS
SANITARY LAUNDRY CO	DRYCLEANERS
19TH AVE LANDFILL	ODI

OVERVIEW MAP - 6156880.2S



- 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

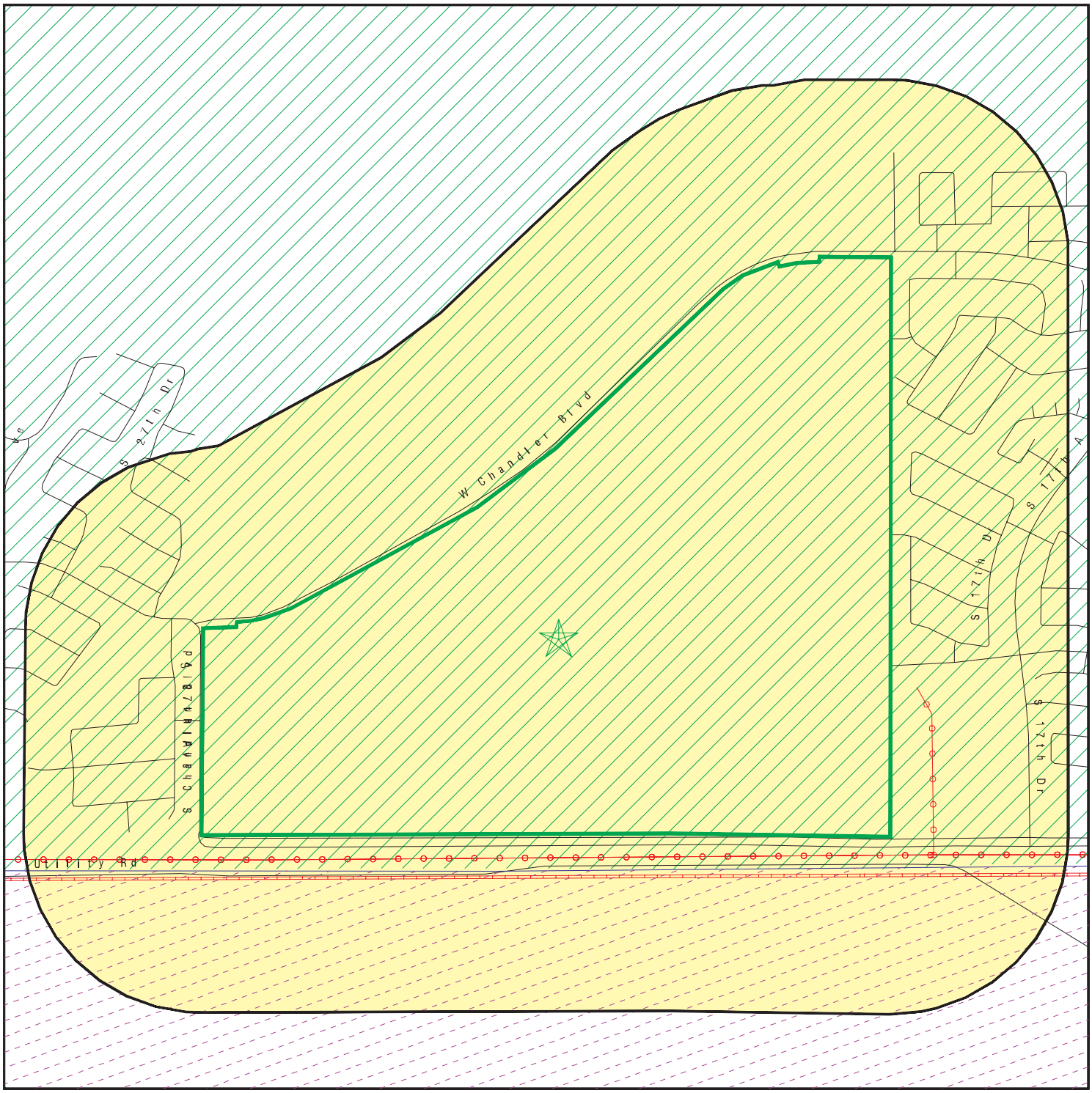
- Indian Reservations BIA
- Power transmission lines
- Pipelines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- DOD Sites: AZ DEQ
- Water Quality Assurance Revolving Fund Areas
- AZ NPL

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: South Mountain 370	CLIENT: HILGARTWILSON, LLC
ADDRESS: Ahwatukee Foothills Village Phoenix AZ 85045	CONTACT: Sheila Logan INQUIRY #: 6156880.2s
LAT/LONG: 33.295156 / -112.108542	DATE: August 14, 2020 4:41 pm

Copyright © 2020 EDR, Inc. © 2015 TomTom Rel. 2015.

DETAIL MAP - 6156880.2S



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

Pipelines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

DOD Sites: AZ DEQ

Water Quality Assurance Revolving Fund Areas

AZ NPL

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: South Mountain 370	CLIENT: HILGARTWILSON, LLC
ADDRESS: Ahwatukee Foothills Village Phoenix AZ 85045	CONTACT: Sheila Logan INQUIRY #: 6156880.2s
LAT/LONG: 33.295156 / -112.108542	DATE: August 14, 2020 4:41 pm

Copyright © 2020 EDR, Inc. © 2015 TomTom Rel. 2015.

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		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-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	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
AZ NPL	1.000		0	0	0	0	NR	0
AZ WQARF	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
SPL	1.000		0	0	0	0	NR	0
SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	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 institutional control / engineering control registries								
AZURITE	0.500		0	0	0	NR	NR	0
AUL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
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								
SWTIRE	0.500		0	0	0	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	TP		NR	NR	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

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
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	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		1	0	0	0	NR	1
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	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	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
Aquifer	TP		NR	NR	NR	NR	NR	0
AZ DOD	0.500		0	0	0	NR	NR	0
Dry Wells	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMAP	TP		NR	NR	NR	NR	NR	0
Enforcement	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
MANIFEST	0.250		0	0	NR	NR	NR	0
SPDES	TP		NR	NR	NR	NR	NR	0
VAPOR	0.500		0	0	0	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
WWFAC	0.500		0	0	0	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	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
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 HWS	TP		NR	NR	NR	NR	NR	0
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	1	0	0	0	0	1

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
IND RES **Region** **South** **< 1/8** **229 ft.**	**GILA RIVER INDIAN RESERVATION** **, AZ**	**INDIAN RESERV**	**CIND200785** **N/A**

INDIAN RESERV:

Feature:	Indian Reservation
Name:	Gila River Indian Reservation
Agency:	BIA

Count: 4 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
PHOENIX	S113878374	SANITARY LAUNDRY CO	16TH COR GRAND AVE		DRYCLEANERS
PHOENIX	S103809871	WQ-EAST CENTRAL PHOENIX	CAMELBACK TO THOMAS, 16TH TO 5		SHWS
PHOENIX	1007443819	19TH AVE LANDFILL	1 MI S OF I 10 E ON 19TH AVE O		ODI
PHOENIX	S103809883	RIO SALADO PROJECT - PHOENIX REACH	SALT RIVER I-10 OVERPASS/19TH		SHWS

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: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 08/03/2020
Next Scheduled EDR Contact: 10/12/2020
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: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 08/03/2020
Next Scheduled EDR Contact: 10/12/2020
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: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 08/03/2020
Next Scheduled EDR Contact: 10/12/2020
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: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/02/2020
Next Scheduled EDR Contact: 10/12/2020
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: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/03/2020
Next Scheduled EDR Contact: 10/26/2020
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: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/03/2020
Next Scheduled EDR Contact: 10/26/2020
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: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
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: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
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: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
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: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
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: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
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: 05/15/2020
Date Data Arrived at EDR: 05/19/2020
Date Made Active in Reports: 06/18/2020
Number of Days to Update: 30

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 08/04/2020
Next Scheduled EDR Contact: 11/23/2020
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: 02/13/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
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: 02/13/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 05/15/2020
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
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: 03/22/2020
Date Data Arrived at EDR: 03/24/2020
Date Made Active in Reports: 06/18/2020
Number of Days to Update: 86

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

AZ NPL: NPL Detail Listing
Detailed site information for NPL sites from the Arizona Department of Environmental Quality.

Date of Government Version: 09/30/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 64

Source: Department of Environmental Quality
Telephone: 602-771-4609
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

WQARF: Water Quality Assurance Revolving Fund Sites
Sites which may have an actual or potential impact upon the waters of the state, cause by hazardous substances. The WQARF program provides matching funds to political subdivisions and other state agencies for clean-up activities.

Date of Government Version: 09/30/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 64

Source: Department of Environmental Quality
Telephone: 602-771-4360
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SPL: Superfund Program List
The list is representative of the sites and potential sites within the jurisdiction of the Superfund Program Section. It is comprised of the following elements: 1) Water Quality Assurance Revolving Fund Registry Sites; 2) Potential WQARF Registry sites; 3) NPL sites; and 4) Department of Defense sites requiring SPS oversight.

Date of Government Version: 08/25/2004
Date Data Arrived at EDR: 04/04/2018
Date Made Active in Reports: 05/17/2018
Number of Days to Update: 43

Source: Department of Environmental Quality
Telephone: 602-771-4360
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: No Update Planned

SHWS: ZipAcids List
The ACIDS list consists of more than 750 locations subject to investigation under the State Water Quality Assurance Revolving Fund (WQARF) and Federal CERCLA programs. The list is no longer updated by the state.

Date of Government Version: 01/03/2000
Date Data Arrived at EDR: 04/11/2000
Date Made Active in Reports: 05/16/2000
Number of Days to Update: 35

Source: Department of Environmental Quality
Telephone: 602-771-4360
Last EDR Contact: 06/10/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: No Update Planned

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

SWF/LF: Directory of Solid Waste Facilities
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2020
Date Made Active in Reports: 04/29/2020
Number of Days to Update: 78

Source: Department of Environmental Quality
Telephone: 602-771-2300
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank Listing
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 01/16/2020
Date Data Arrived at EDR: 01/22/2020
Date Made Active in Reports: 03/10/2020
Number of Days to Update: 48

Source: Department of Environmental Quality
Telephone: 602-771-4345
Last EDR Contact: 07/07/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

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: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
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: 04/15/2020
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 7
Telephone: 913-551-7003
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

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

Date of Government Version: 04/14/2020
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 8
Telephone: 303-312-6271
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
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: 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: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
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: 04/14/2020
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 10
Telephone: 206-553-2857
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
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: 04/29/2020
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 1
Telephone: 617-918-1313
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
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: 04/14/2020
Date Data Arrived at EDR: 05/26/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 78

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
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: 04/14/2020
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 5
Telephone: 312-886-7439
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

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: 02/01/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/06/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

UST: Underground Storage Tank Listing
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 01/16/2020
Date Data Arrived at EDR: 01/22/2020
Date Made Active in Reports: 03/10/2020
Number of Days to Update: 48

Source: Department of Environmental Quality
Telephone: 602-771-4345
Last EDR Contact: 07/07/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Annually

AST: List of Aboveground Storage Tanks
Aboveground storage tanks that the Dept. of Building & Fire Safety have permitted.

Date of Government Version: 12/05/2019
Date Data Arrived at EDR: 12/06/2019
Date Made Active in Reports: 01/31/2020
Number of Days to Update: 56

Source: Department of Building & Fire Safety
Telephone: 602-364-1003
Last EDR Contact: 06/19/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: No Update Planned

AST 2: Aboveground Storage Tank Listing
A listing of aboveground storage tank site locations.

Date of Government Version: 12/05/2019
Date Data Arrived at EDR: 01/15/2020
Date Made Active in Reports: 03/10/2020
Number of Days to Update: 55

Source: Department of Environmental Quality
Telephone: 602-771-4380
Last EDR Contact: 06/08/2020
Next Scheduled EDR Contact: 09/21/2020
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: 04/14/2020
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 10
Telephone: 206-553-2857
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
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: 04/03/2020
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 7
Telephone: 913-551-7003
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
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: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 85

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
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: 04/14/2020
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 5
Telephone: 312-886-6136
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
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: 04/14/2020
Date Data Arrived at EDR: 05/26/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 78

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
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: 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 9
Telephone: 415-972-3368
Last EDR Contact: 07/23/2020
Next Scheduled EDR Contact: 11/01/2020
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: 04/29/2020
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 1
Telephone: 617-918-1313
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
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: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AZURITE: Remediation and DEUR/VEMUR Tracking System

ADEQ maintains a repository listing sites remediated under programs administered by the department.

Date of Government Version: 11/19/2018
Date Data Arrived at EDR: 11/19/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 11

Source: Department of Environmental Quality
Telephone: 602-771-4397
Last EDR Contact: 06/10/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Varies

AUL: DEUR Database

Activity and use limitations include both engineering controls and institutional controls. DEUR and VEMUR sites. DEUR: Declaration of Environmental Use Restriction. A restrictive land use covenant that is required when a property owner elects to use an institutional (i.e., administrative) control or engineering (i.e., physical) control as a means to meet remediation goals. The DEUR runs with and burdens the land, and requires maintenance of any institutional or engineering controls. VEMUR: Voluntary Environmental Mitigation Use Restriction. A restrictive land use covenant that, prior to July 18, 2000, was required when a property owner elected to remediate the property to non-residential uses. Effective July 18, 2000, the DEUR replaced the VEMUR as a restrictive use covenant.

Date of Government Version: 10/03/2019
Date Data Arrived at EDR: 10/04/2019
Date Made Active in Reports: 12/12/2019
Number of Days to Update: 69

Source: Department of Environmental Quality
Telephone: 602-771-4397
Last EDR Contact: 06/10/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Remediation Program Sites

Sites involved in the Voluntary Remediation Program.

Date of Government Version: 09/01/2019
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 70

Source: Department of Environmental Quality
Telephone: 602-771-4411
Last EDR Contact: 08/03/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

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: 06/17/2020
Next Scheduled EDR Contact: 10/05/2020
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

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Tracking System
Information relating to Brownfields sites in Arizona.

Date of Government Version: 09/01/2019
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 70

Source: Department of Environmental Quality
Telephone: 602-771-4401
Last EDR Contact: 08/03/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Date of Government Version: 06/01/2020
Date Data Arrived at EDR: 06/02/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWTIRE: Solid Waste Tire Facilities
A waste tire "facility" means a solid waste facility at which waste tires are stored outdoors on any day.

Date of Government Version: 03/20/2020
Date Data Arrived at EDR: 03/24/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 77

Source: Department of Environmental Quality
Telephone: 602-771-4132
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

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

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

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/09/2020
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: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
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: 07/31/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Varies

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: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs
A listing of drug lab seizures in Arizona.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/30/2019
Date Made Active in Reports: 12/12/2019
Number of Days to Update: 43

Source: Board of Technical Registration
Telephone: 602-364-4931
Last EDR Contact: 06/17/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Varies

US CDL: Clandestine Drug Labs

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

Date of Government Version: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Listing

Arizona?s Public Water System Screening for Perfluorooctanoic Acid (PFOA) and Perfluorooctane Sulfonate (PFOS) Final Report. The purpose of the grant was to screen Public Water System (PWS) drinking water wells in Arizona potentially impacted by perfluorooctanoic acid (PFOA) and/or perfluorooctane sulfonate (PFOS) contamination.

Date of Government Version: 11/01/2018
Date Data Arrived at EDR: 02/07/2020
Date Made Active in Reports: 04/22/2020
Number of Days to Update: 75

Source: Department of Environmental Quality
Telephone: 602-364-3118
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

Local Land Records

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/03/2020
Next Scheduled EDR Contact: 10/12/2020
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: 02/27/2020
Date Data Arrived at EDR: 03/24/2020
Date Made Active in Reports: 06/18/2020
Number of Days to Update: 86

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/23/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

SPILLS: Hazardous Material Logbook

Chemical spills and incidents referred to the Emergency Response Unit.

Date of Government Version: 11/15/2001
Date Data Arrived at EDR: 06/28/2007
Date Made Active in Reports: 07/24/2007
Number of Days to Update: 26

Source: Department of Environmental Quality
Telephone: 602-771-4153
Last EDR Contact: 05/15/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

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: 12/11/2001
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/11/2013
Number of Days to Update: 39

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: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 05/21/2020
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
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: 05/13/2020
Date Data Arrived at EDR: 05/18/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 86

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/13/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

DOD: Department of Defense Sites

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

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

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/19/2020
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: 07/06/2020
Next Scheduled EDR Contact: 10/19/2020
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: 08/05/2020
Next Scheduled EDR Contact: 11/23/2020
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: 03/23/2020
Date Data Arrived at EDR: 03/24/2020
Date Made Active in Reports: 06/18/2020
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

Date of Government Version: 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: 07/31/2020
Next Scheduled EDR Contact: 11/16/2020
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: 08/06/2020
Next Scheduled EDR Contact: 11/16/2020
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: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/17/2020
Next Scheduled EDR Contact: 09/28/2020
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: 02/05/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 79

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 08/31/2020
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: 03/01/2020
Date Data Arrived at EDR: 04/21/2020
Date Made Active in Reports: 07/15/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/02/2020
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: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 08/03/2020
Next Scheduled EDR Contact: 09/14/2020
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: 01/31/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 08/03/2020
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/15/2020
Next Scheduled EDR Contact: 11/02/2020
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: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 34

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 08/03/2020
Next Scheduled EDR Contact: 11/16/2020
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: 10/09/2019
Date Data Arrived at EDR: 10/11/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 70

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/13/2020
Next Scheduled EDR Contact: 10/19/2020
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: 06/30/2020
Next Scheduled EDR Contact: 10/19/2020
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: 10/25/2019
Date Data Arrived at EDR: 10/25/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 82

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/20/2020
Next Scheduled EDR Contact: 11/02/2020
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: 12/31/2018
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 42

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 06/05/2020
Next Scheduled EDR Contact: 09/14/2020
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: 06/01/2020
Next Scheduled EDR Contact: 09/14/2020
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: 08/06/2020
Next Scheduled EDR Contact: 11/16/2020
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: 06/24/2020
Next Scheduled EDR Contact: 10/12/2020
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: 07/27/2020
Next Scheduled EDR Contact: 11/09/2020
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: 06/30/2020
Date Data Arrived at EDR: 07/15/2020
Date Made Active in Reports: 07/21/2020
Number of Days to Update: 6

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/06/2020
Next Scheduled EDR Contact: 10/19/2020
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: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
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: 07/07/2020
Next Scheduled EDR Contact: 10/19/2020
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: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
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: 05/18/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites
A listing of former lead smelter site locations.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 08/03/2020
Next Scheduled EDR Contact: 10/12/2020
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: 05/01/2020
Date Data Arrived at EDR: 05/21/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
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: 05/28/2020
Date Data Arrived at EDR: 05/28/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 77

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
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: 05/27/2020
Next Scheduled EDR Contact: 09/07/2020
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: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
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: 03/05/2020
Date Data Arrived at EDR: 03/06/2020
Date Made Active in Reports: 05/29/2020
Number of Days to Update: 84

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/19/2020
Next Scheduled EDR Contact: 09/21/2020
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: 02/03/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 86

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information
ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 04/04/2020
Date Data Arrived at EDR: 04/07/2020
Date Made Active in Reports: 06/26/2020
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 07/02/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Quarterly

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: 05/18/2020
Date Data Arrived at EDR: 05/19/2020
Date Made Active in Reports: 08/03/2020
Number of Days to Update: 76

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/19/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Quarterly

AIRS: Arizona Airs Database
Arizona major (has the potential to emit over 100 tons of criteria pollutant) and minor (below 100 tons) sources.

Date of Government Version: 01/13/2020
Date Data Arrived at EDR: 01/15/2020
Date Made Active in Reports: 03/10/2020
Number of Days to Update: 55

Source: Department of Environmental Quality
Telephone: 602-771-2344
Last EDR Contact: 08/10/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Semi-Annually

AQUIFER: Waste Water Treatment Facilities
Waste Water Treatment Facilities with APP (Aquifer Protection Permits.)

Date of Government Version: 03/02/2020
Date Data Arrived at EDR: 03/04/2020
Date Made Active in Reports: 03/10/2020
Number of Days to Update: 6

Source: Department of Environmental Quality
Telephone: 602-771-4623
Last EDR Contact: 08/04/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: Semi-Annually

DOD: Department of Defense Sites
These sites are federal facilities that are either being assessed for potential contamination, or have active remediation taking place on them.

Date of Government Version: 09/30/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 64

Source: Department of Environmental Quality
Telephone: 602-771-4360
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Annually

DRY WELLS: Drywell Registration
A drywell is a bored, drilled, or driven shaft or hole whose depth is greater than its width and is designed and constructed specifically for the disposal of storm water.

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 08/20/2019
Number of Days to Update: 68

Source: Department of Environmental Quality
Telephone: 602-771-4686
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Semi-Annually

DRYCLEANERS: Drycleaner Facility Listing
A listing of drycleaner facilities in Arizona.

Date of Government Version: 04/11/2014
Date Data Arrived at EDR: 04/15/2014
Date Made Active in Reports: 05/12/2014
Number of Days to Update: 27

Source: Department of Environmental Quality
Telephone: 602-771-4335
Last EDR Contact: 06/10/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Varies

EMAP: All Places of Interest Listing
A listing of all places of interest to the Department of Environmental Quality, including air, waste and water sites.

Date of Government Version: 03/23/2020
Date Data Arrived at EDR: 03/25/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 76

Source: Department of Environmental Quality
Telephone: 602-771-4380
Last EDR Contact: 05/26/2020
Next Scheduled EDR Contact: 09/13/2020
Data Release Frequency: Varies

ENF: Enforcement and Violation Listing
A listing of enforcement and violation cases in the state of Arizona.

Date of Government Version: 02/14/2020
Date Data Arrived at EDR: 02/18/2020
Date Made Active in Reports: 03/10/2020
Number of Days to Update: 21

Source: Department of Environmental Quality
Telephone: 602-771-4424
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial assurance information for ust sites.

Date of Government Version: 01/17/2020
Date Data Arrived at EDR: 01/22/2020
Date Made Active in Reports: 03/10/2020
Number of Days to Update: 48

Source: Department of Environmental Quality
Telephone: 602-771-4258
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Varies

AZ MANIFEST: Manifest Information
Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 07/17/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 50

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/10/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Annually

NPDES: Notice of Intent Construction Stormwater General Permits Database
NPDES permit sites

Date of Government Version: 01/31/2020
Date Data Arrived at EDR: 01/31/2020
Date Made Active in Reports: 04/13/2020
Number of Days to Update: 73

Source: Department of Environmental Quality
Telephone: 602-771-4424
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

VAPOR: Vapor Intrusion
A listing of vapor intrusion site locations

Date of Government Version: 10/17/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 12/13/2019
Number of Days to Update: 52

Source: Department of Environmental Quality
Telephone: 602-771-4197
Last EDR Contact: 06/10/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Varies

UIC: Underground Injection Control Wells
Underground injection control wells.

Date of Government Version: 09/30/2015
Date Data Arrived at EDR: 02/05/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 60

Source: Arizona Geological Survey
Telephone: 520-770-3500
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Varies

WWFAC: Waste Water Treatment Facilities
Statewide list of waste water treatment facilities.

Date of Government Version: 07/09/2012
Date Data Arrived at EDR: 07/23/2012
Date Made Active in Reports: 09/06/2012
Number of Days to Update: 45

Source: Department of Environmental Quality
Telephone: 602-771-4623
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
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: 06/08/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Semi-Annually

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: 07/09/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

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: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

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: 07/01/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

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 HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents 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 Environmental Quality in Arizona.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/02/2014
Number of Days to Update: 185

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

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 Environmental Quality in Arizona.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/15/2014
Number of Days to Update: 198

Source: Department of Environmental Quality
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 Department of Environmental Quality in Arizona.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/02/2014
Number of Days to Update: 185

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/12/2020
Date Data Arrived at EDR: 05/12/2020
Date Made Active in Reports: 07/27/2020
Number of Days to Update: 76

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/10/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: No Update Planned

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: 07/31/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Quarterly

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 69

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
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: 06/04/2020
Next Scheduled EDR Contact: 09/21/2020
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: Child Care Facilities & Group Homes
Source: Department of Health Services
Telephone: 602-674-4220

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: Riparian Vegetation Associated with Perennial Waters

Source: State Land Department
Telephone: 602-542-4094

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

SOUTH MOUNTAIN 370
AHWATUKEE FOOTHILLS VILLAGE
PHOENIX, AZ 85045

TARGET PROPERTY COORDINATES

Latitude (North):	33.295156 - 33˚ 17' 42.56''
Longitude (West):	112.108542 - 112˚ 6' 30.75''
Universal Tranverse Mercator:	Zone 12
UTM X (Meters):	396785.9
UTM Y (Meters):	3684364.8
Elevation:	1157 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	6718637 LONE BUTTE, AZ
Version Date:	2014
West Map:	6718635 LAVEEN, AZ
Version Date:	2014

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).

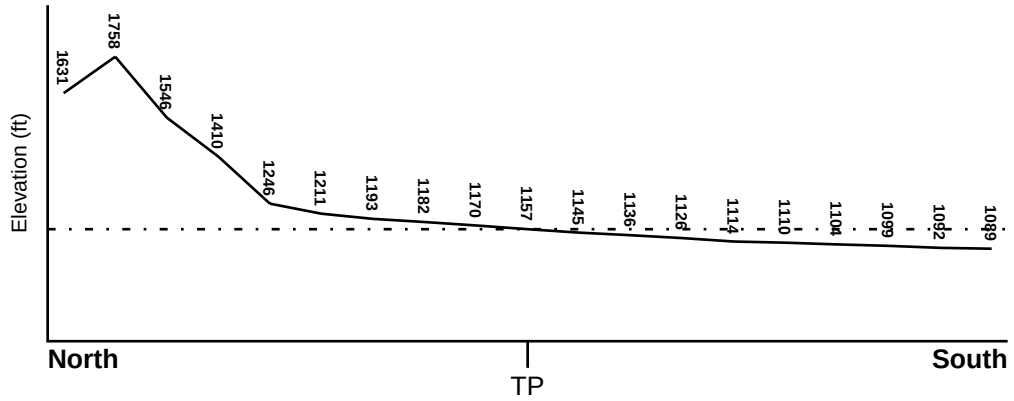
TOPOGRAPHIC INFORMATION

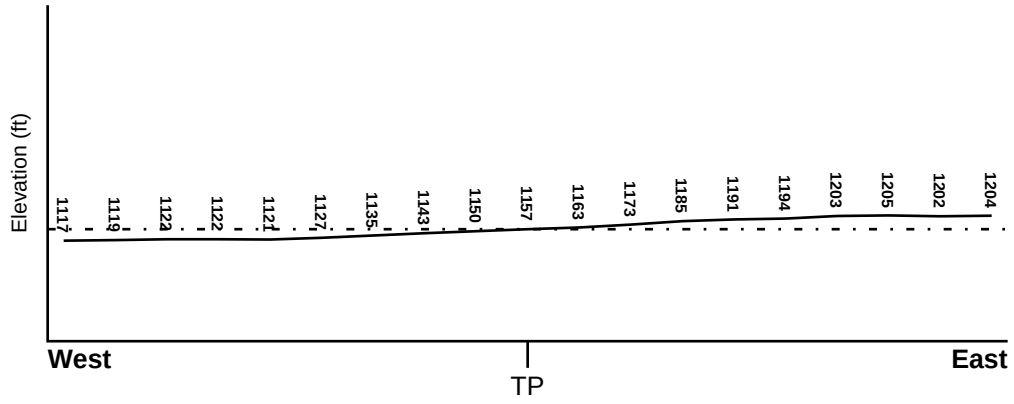
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 1157 ft.

0 1/2 1 Miles

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
04013C2690L	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
04013C2670L	FEMA FIRM Flood data

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

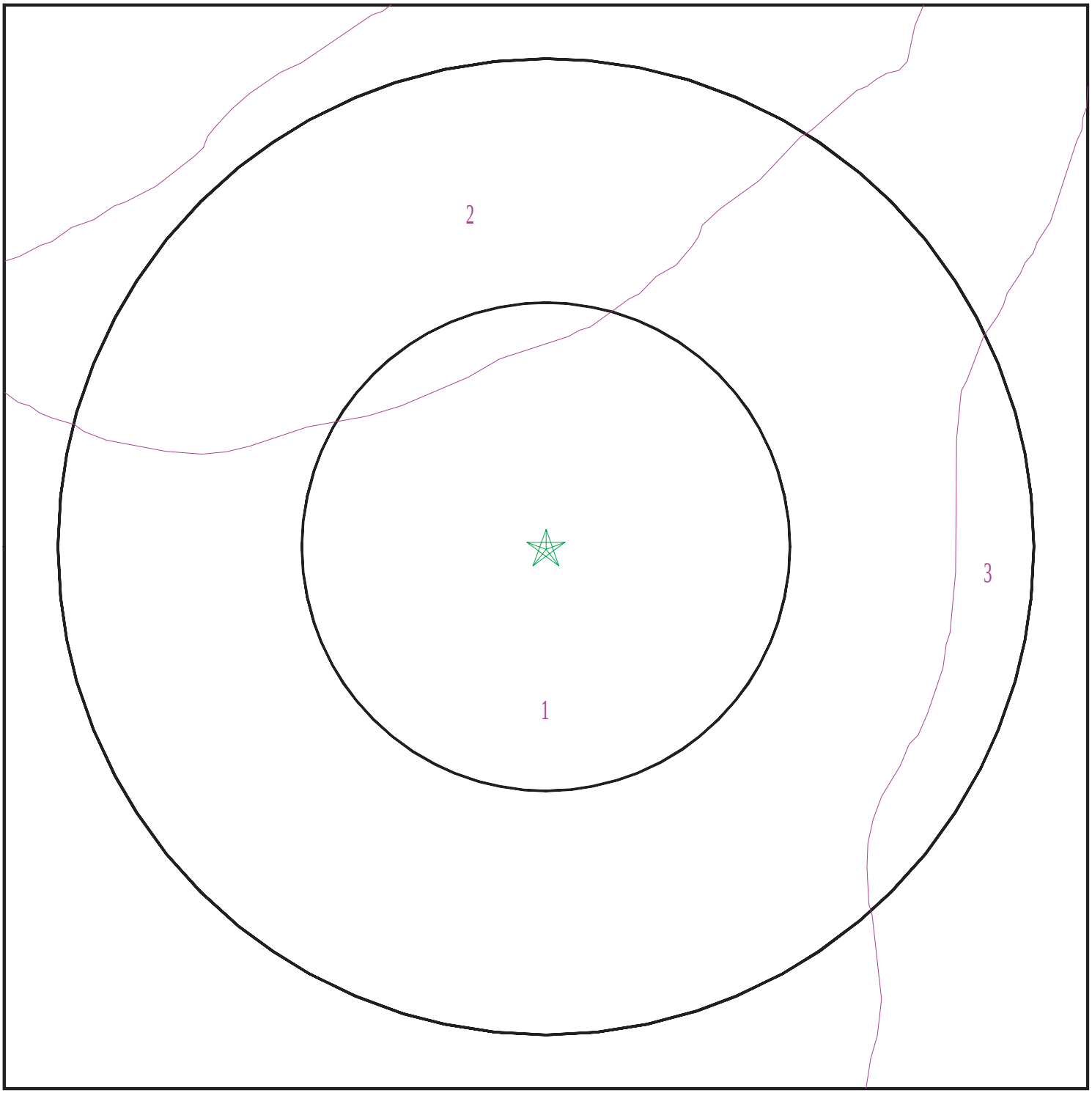
Era:	Precambrian
System:	Precambrian
Series:	Orthogneiss and paragneiss
Code:	Xm *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Metamorphic Rocks

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

SSURGO SOIL MAP - 6156880.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME: South Mountain 370 ADDRESS: Ahwatukee Foothills Village Phoenix AZ 85045 LAT/LONG: 33.295156 / -112.108542	CLIENT: HILGARTWILSON, LLC CONTACT: Sheila Logan INQUIRY #: 6156880.2s DATE: August 14, 2020 4:41 pm

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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: ANTHO

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Unknown

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	12 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 7.9
2	12 inches	35 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 7.9
3	35 inches	46 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 7.9

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
4	46 inches	59 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 8.4 Min: 7.9

Soil Map ID: 2

Soil Component Name: CARRIZO

Soil Surface Texture: gravelly sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Unknown

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	gravelly sandy loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141	Max: 8.4 Min: 7.9
2	5 inches	59 inches	very gravelly coarse sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Clean Sands, Well-graded sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 705 Min: 141	Max: 8.4 Min: 7.9

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 3

Soil Component Name: EBON

Soil Surface Texture: gravelly loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Unknown

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	1 inches	gravelly loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
2	1 inches	12 inches	very cobbly clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
3	12 inches	38 inches	very cobbly clay	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9
4	38 inches	59 inches	very cobbly sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 4 Min: 1.4	Max: 8.4 Min: 7.9

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

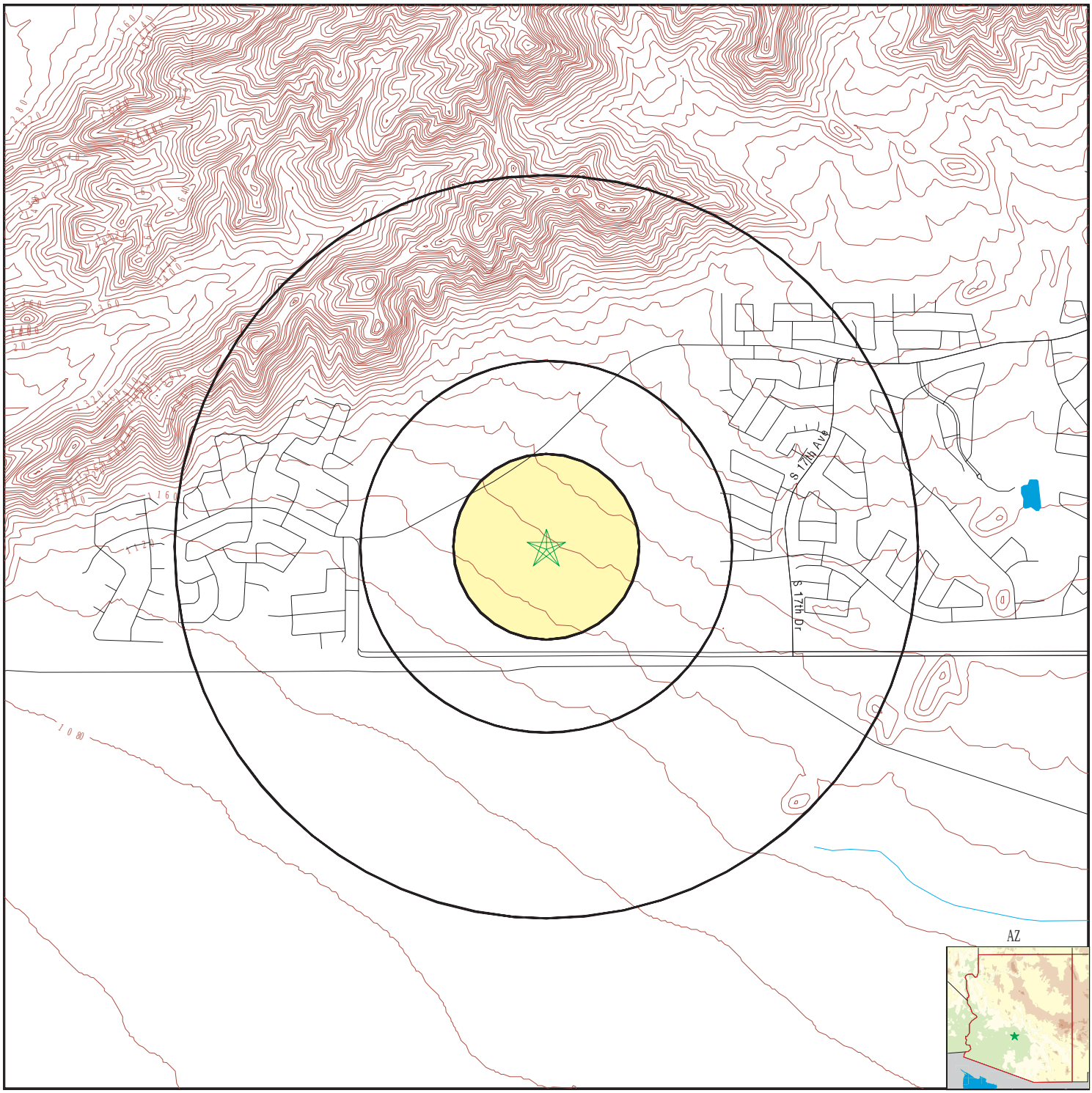
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 6156880.2s



0 1/4 1/2 1 Miles

- County Boundary
- Major Roads
- Contour 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

N

SITE NAME: South Mountain 370	CLIENT: HILGARTWILSON, LLC
ADDRESS: Ahwatukee Foothills Village Phoenix AZ 85045	CONTACT: Sheila Logan INQUIRY #: 6156880.2s
LAT/LONG: 33.295156 / -112.108542	DATE: August 14, 2020 4:41 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for MARICOPA 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 MARICOPA COUNTY, AZ

Number of sites tested: 695

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.697 pCi/L	93%	7%	0%
Living Area - 2nd Floor	3.640 pCi/L	80%	20%	0%
Basement	2.242 pCi/L	79%	21%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

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

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: Riparian Vegetation Associated with Perennial Waters
Source: State Land Department
Telephone: 602-542-4094

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.

STATE RECORDS

Arizona Well Registration Database
Source: Department of Water Resources
Telephone: 602-771-8535
The Wells database contains all wells registered in the state.

Water Well Information
Agency: Department of Environmental Quality
Telephone: 602-771-2300

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Source: Arizona Geological Survey
Telephone: 520-770-3500
This database contains Oil and Gas wells in the State of Arizona. Includes all wells that have been permitted by the State Oil and Gas Conservation Commission (OGCC). Gas wells include natural gas, helium, and carbon dioxide wells.

RADON

State Database: AZ Radon
Source: Arizona Radiation Regulatory Agency
Telephone: 602-255-4845
State Indoor Radon Survey

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

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

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

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

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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South Mountain 370

Ahwatukee Foothills Village

Phoenix, AZ 85045

Inquiry Number: 6156880.3

August 14, 2020

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

08/14/20

Site Name:	Client Name:
South Mountain 370	HILGARTWILSON, LLC
Ahwatukee Foothills Village	2141 E Highland Ave Ste 250
Phoenix, AZ 85045	Phoenix, AZ 85016
EDR Inquiry # 6156880.3	Contact: Sheila Logan

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by HILGARTWILSON, LLC were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 98A6-435E-BD70

PO # 2207.0201-3.1

Project SM 370

UNMAPPED PROPERTY

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

Sanborn® Library search results

Certification #: 98A6-435E-BD70

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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

The Sanborn Library LLC Since 1866™

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Appendix D: Historical Research

South Mountain 370

Ahwatukee Foothills Village

Phoenix, AZ 85045

Inquiry Number: 6156880.4

August 14, 2020

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

08/14/20

Site Name:	Client Name:
South Mountain 370	HILGARTWILSON, LLC
Ahwatukee Foothills Village	2141 E Highland Ave Ste 250
Phoenix, AZ 85045	Phoenix, AZ 85016
EDR Inquiry # 6156880.4	Contact: Sheila Logan

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by HILGARTWILSON, LLC were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		*Coordinates:*	
P.O.#	2207.0201-3.1	**Latitude:**	33.295156 33° 17' 43" North
Project:	SM 370	**Longitude:**	-112.108542 -112° 6' 31" West
		UTM Zone:	Zone 12 North
		UTM X Meters:	396788.22
		UTM Y Meters:	3684556.89
		Elevation:	1157.32' above sea level

Maps Provided:

2014
1973
1967
1952
1914
1912

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Topo Sheet Key

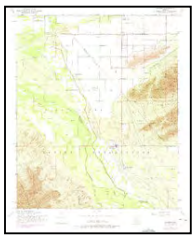
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2014 Source Sheets

Lone Butte
2014
7.5-minute, 24000

Laveen
2014
7.5-minute, 24000

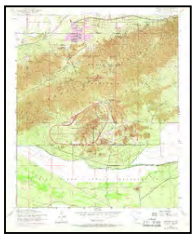
1973 Source Sheets



Laveen
1973
7.5-minute, 24000
Aerial Photo Revised 1973

Lone Butte
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1967 Source Sheets



Lone Butte
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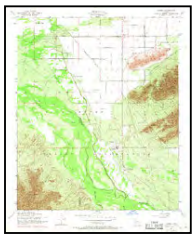
7.5-minute, 24000
Aerial Photo Revised 1967



Laveen
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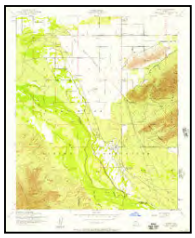
7.5-minute, 24000
Aerial Photo Revised 1967

1952 Source Sheets

Lone Butte
1952
7.5-minute, 24000
Aerial Photo Revised 1951



Laveen
1952
7.5-minute, 24000
Aerial Photo Revised 1951

Topo Sheet Key

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

1914 Source Sheets

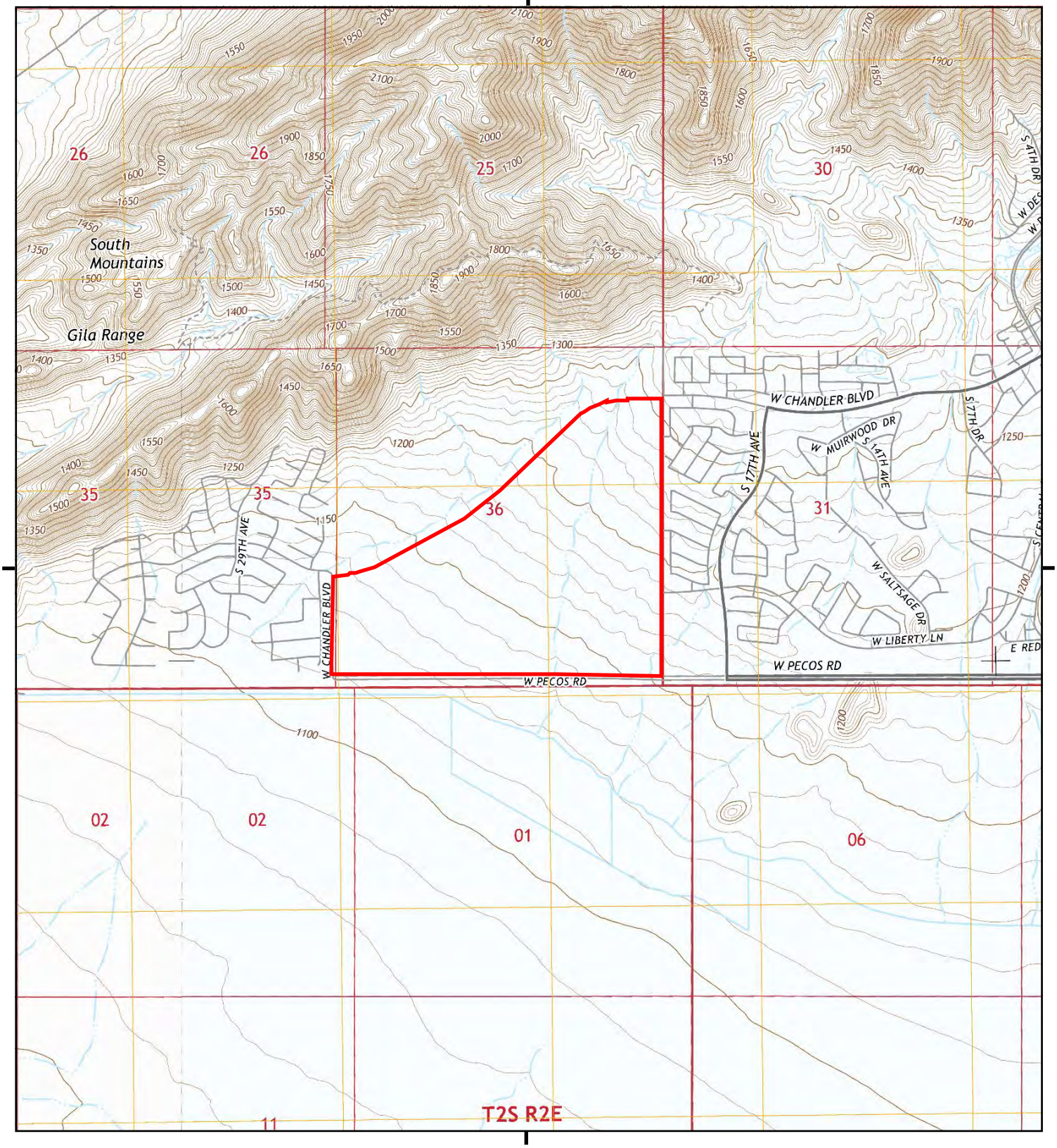
Phoenix
1914
15-minute, 62500

1912 Source Sheets

Phoenix
1912
15-minute, 62500

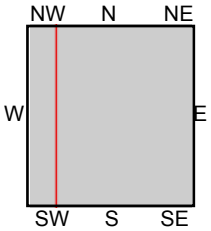
Historical Topo Map

2014



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

0 Miles 0.25 0.5 1 1.5



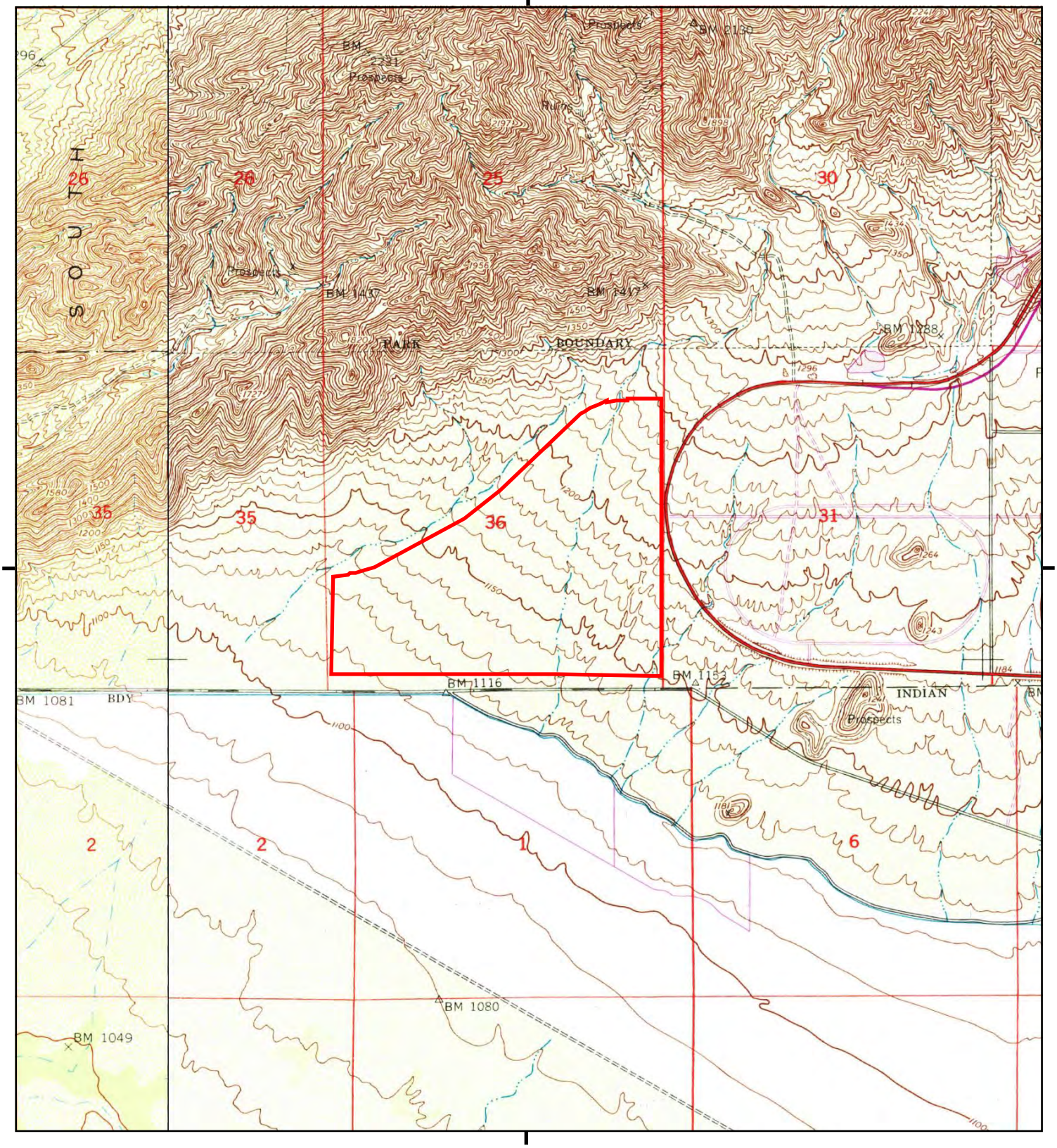
TP, Lone Butte, 2014, 7.5-minute
W, Laveen, 2014, 7.5-minute

SITE NAME: South Mountain 370
ADDRESS: Ahwatukee Foothills Village
Phoenix, AZ 85045
CLIENT: HILGARTWILSON, LLC

N

Historical Topo Map

1973



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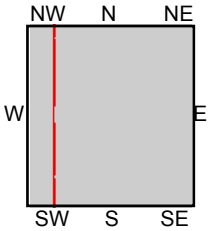


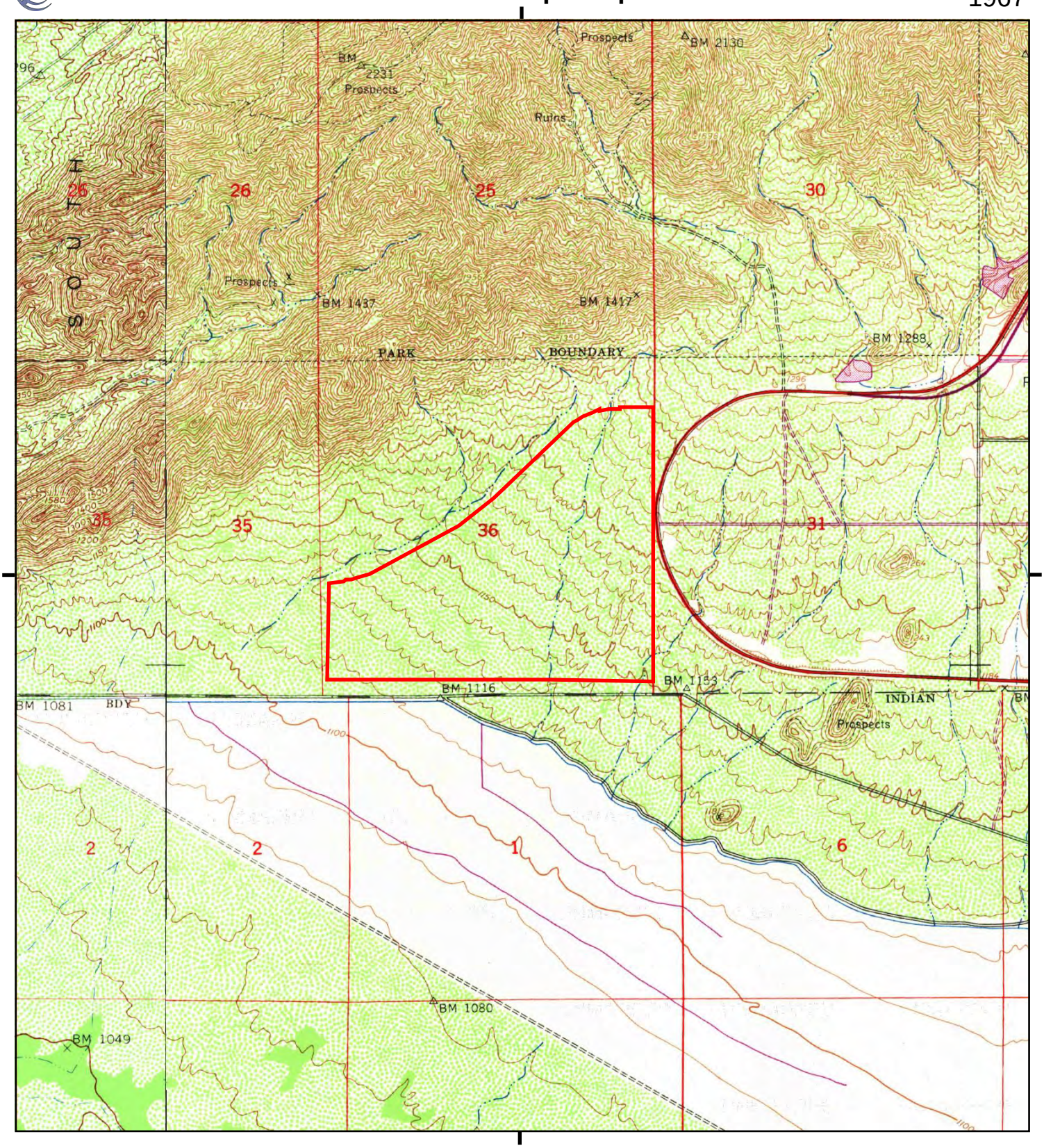
TP, Lone Butte, 1973, 7.5-minute
W, Laveen, 1973, 7.5-minute

SITE NAME: South Mountain 370
ADDRESS: Ahwatukee Foothills Village
Phoenix, AZ 85045
CLIENT: HILGARTWILSON, LLC

N

Historical Topo Map

1967



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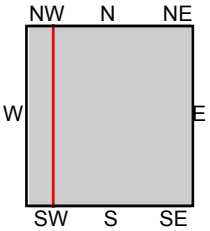
0 Miles 0.25 0.5 1 1.5



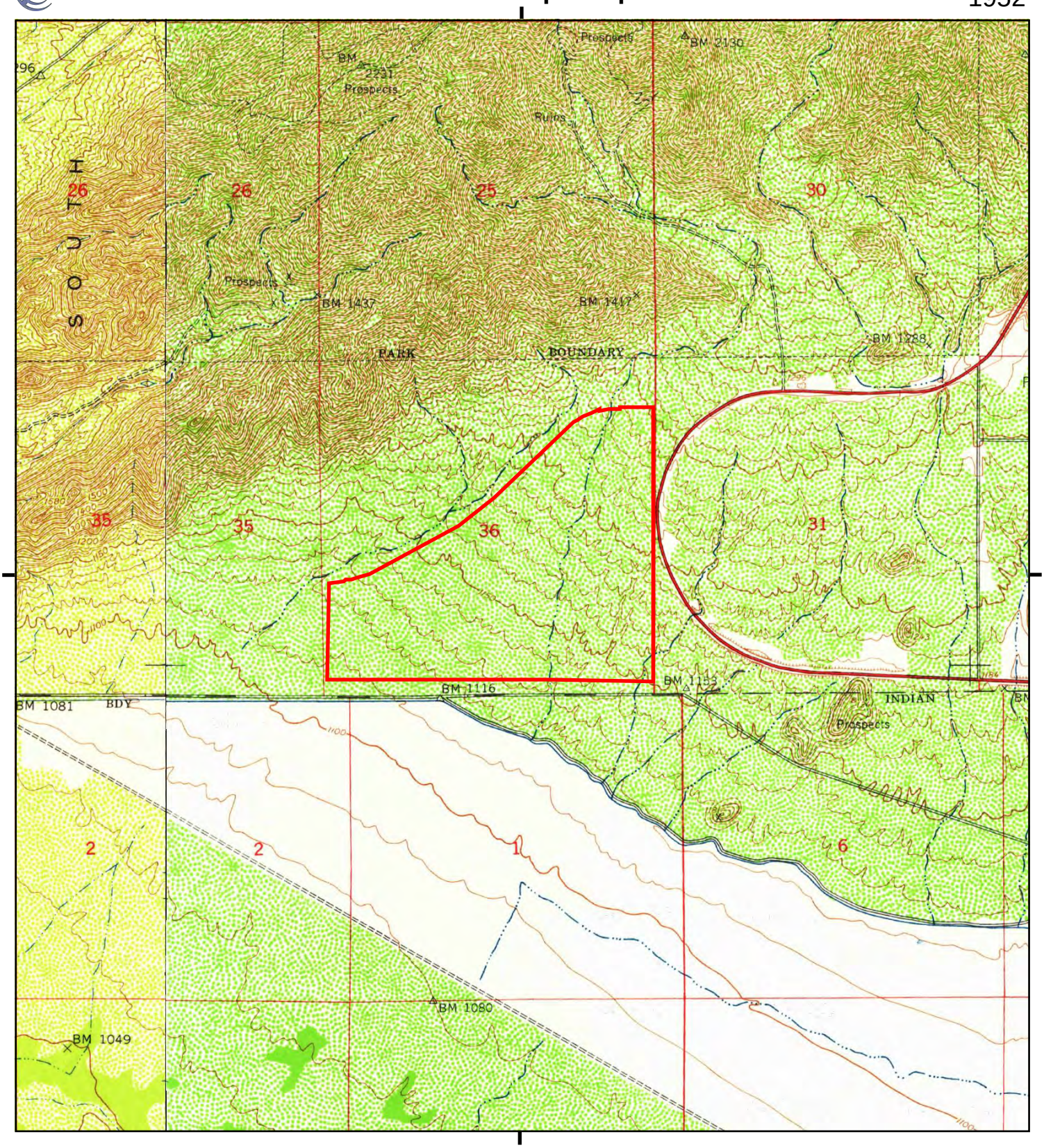
TP, Lone Butte, 1967, 7.5-minute
W, Laveen, 1967, 7.5-minute

SITE NAME: South Mountain 370
ADDRESS: Ahwatukee Foothills Village
Phoenix, AZ 85045
CLIENT: HILGARTWILSON, LLC

N

Historical Topo Map

1952



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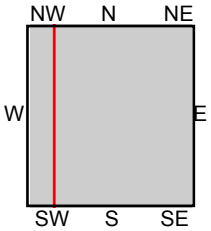
0 Miles 0.25 0.5 1 1.5



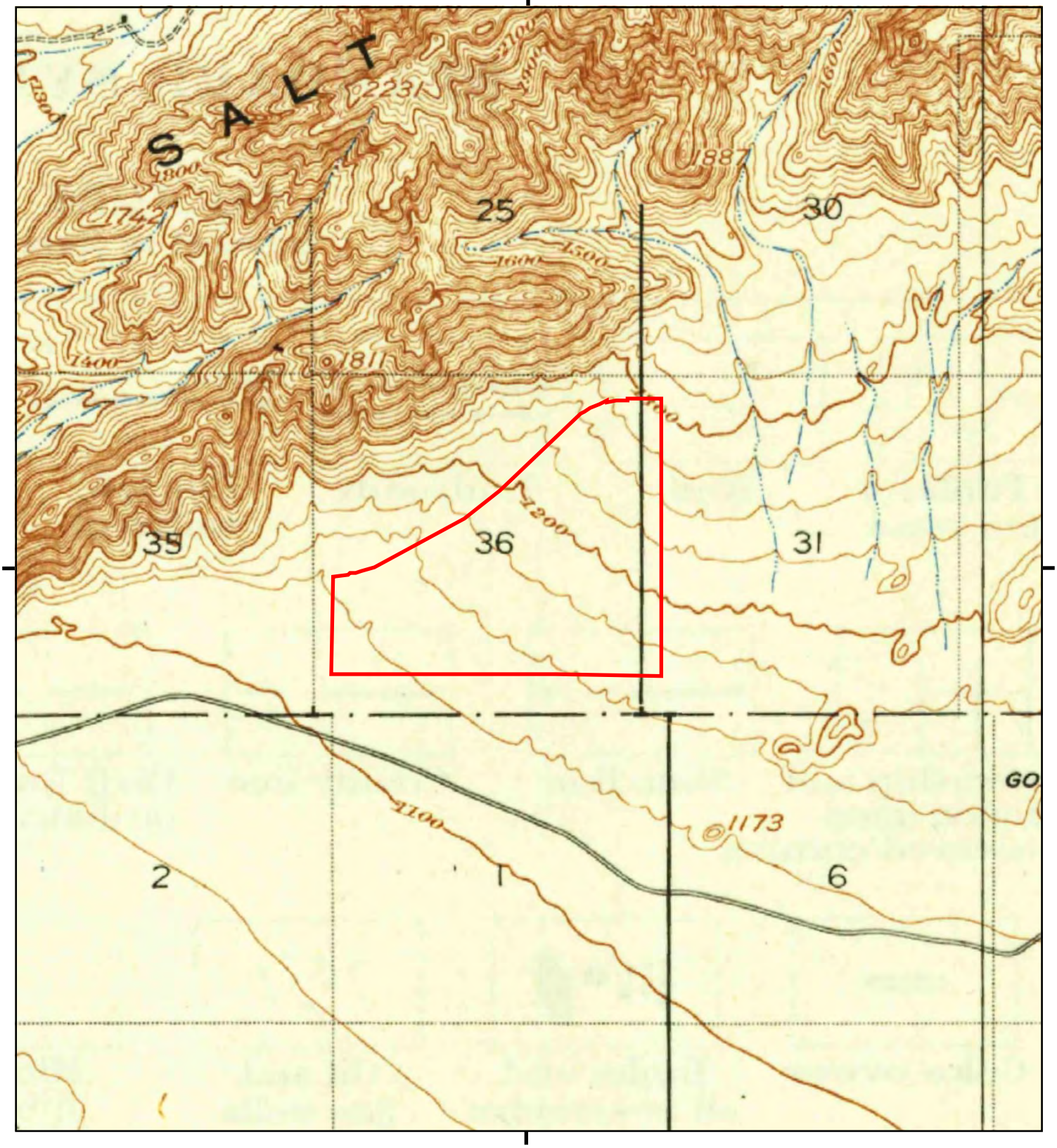
TP, Lone Butte, 1952, 7.5-minute
W, Laveen, 1952, 7.5-minute

SITE NAME: South Mountain 370
ADDRESS: Ahwatukee Foothills Village
Phoenix, AZ 85045
CLIENT: HILGARTWILSON, LLC

N

Historical Topo Map

1914



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

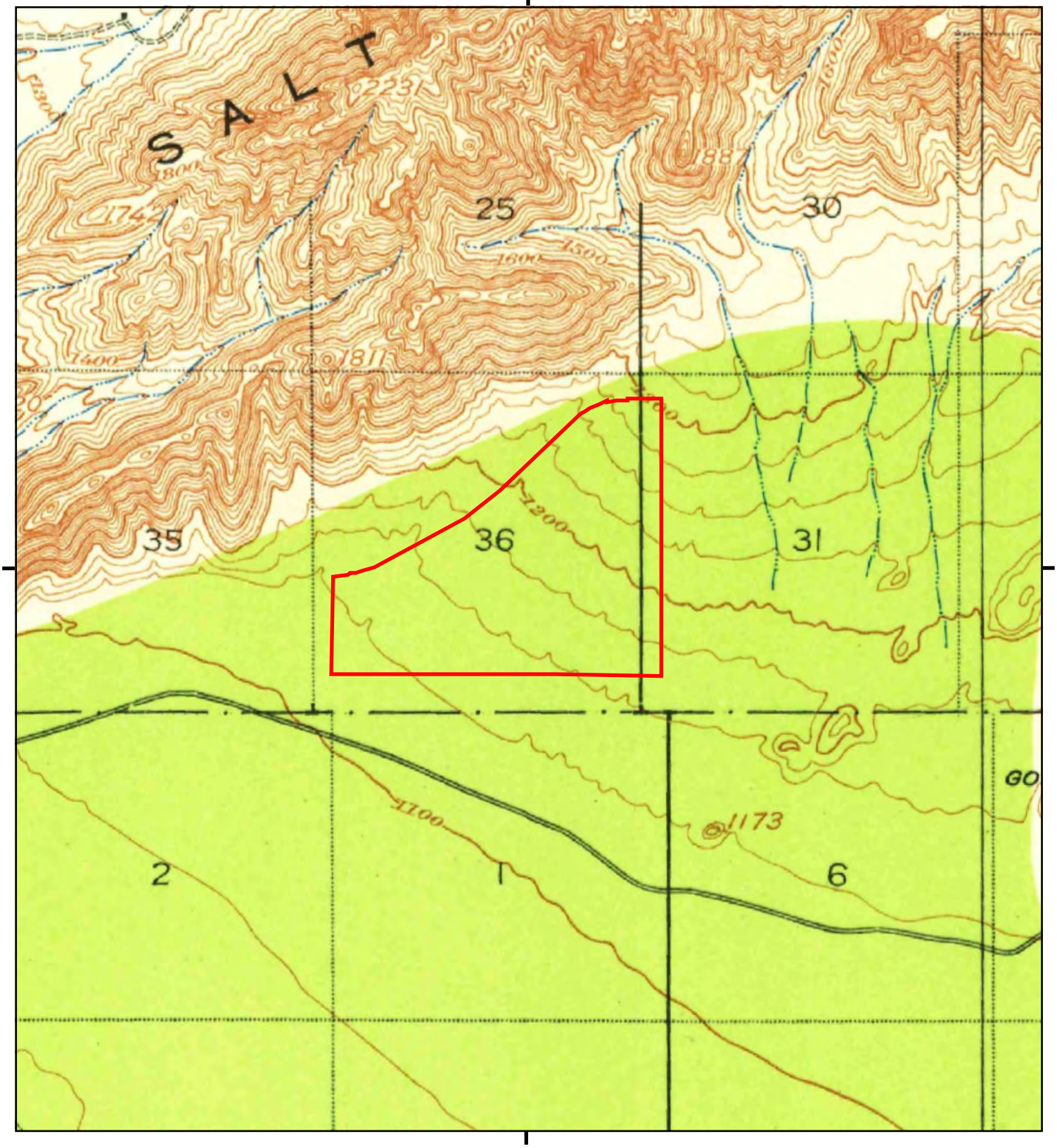
TP, Phoenix, 1914, 15-minute

SITE NAME: South Mountain 370
ADDRESS: Ahwatukee Foothills Village
Phoenix, AZ 85045
CLIENT: HILGARTWILSON, LLC

N

Historical Topo Map

1912



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, Phoenix, 1912, 15-minute

SITE NAME: South Mountain 370
ADDRESS: Ahwatukee Foothills Village
Phoenix, AZ 85045
CLIENT: HILGARTWILSON, LLC

N

South Mountain 370
Ahwatukee Foothills Village
Phoenix, AZ 85045

Inquiry Number: 6156880.5
August 14, 2020

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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 Abstract 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 Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2017. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

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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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2017	Cole Information Services	-	-	-	-
2014	Cole Information Services	-	-	-	-
2009	Cole Information Services	-	-	-	-
2006	Hill-Donnelly Information Services	-	-	-	-
2004	Cole Information Services	-	-	-	-
2001	Hill-Donnelly Information Services	-	-	-	-
1999	Cole Information Services	-	-	-	-
1994	Cole Information Services	-	-	-	-
1993	U S West Direct	-	-	-	-
1987	Mountain Bell A U S West Co.	-	-	-	-
1985	US WEST DIRECT	-	-	-	-
1982	R. L. Polk Co.	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1979	R. L. Polk & Co.	-	-	-	-
1977	R. L. Polk & Co.	-	-	-	-
1970	The Mountain States Telephone and Telegraph Co.	-	-	-	-
1968	R. L. Polk & Co.	-	-	-	-
1965	R. L. Polk & Co.	-	-	-	-
1964	R. L. Polk & Co.	-	-	-	-
1960	Mullin-Kille Co.	-	-	-	-
1955	Mullin-Kille Co.	-	-	-	-
1952	Mullin - Kille Company and Baldwin ConSurvey	-	-	-	-
1950	The Baldwin and Mullin-Kille Co.	-	-	-	-
1947	Southside Directory Company	-	-	-	-
1945	Phoenix Directory Co	-	-	-	-
1940	Arizona Directory Co.	-	-	-	-
1935	Arizona Directory Co.	-	-	-	-
1930	Arizona Directory Co	-	-	-	-
1925	Arizona Directory	-	-	-	-
1920	Arizona Directory	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

Ahwatukee Foothills Village
Phoenix, AZ 85045

FINDINGS DETAIL

Target Property research detail.

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

No Addresses Found

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

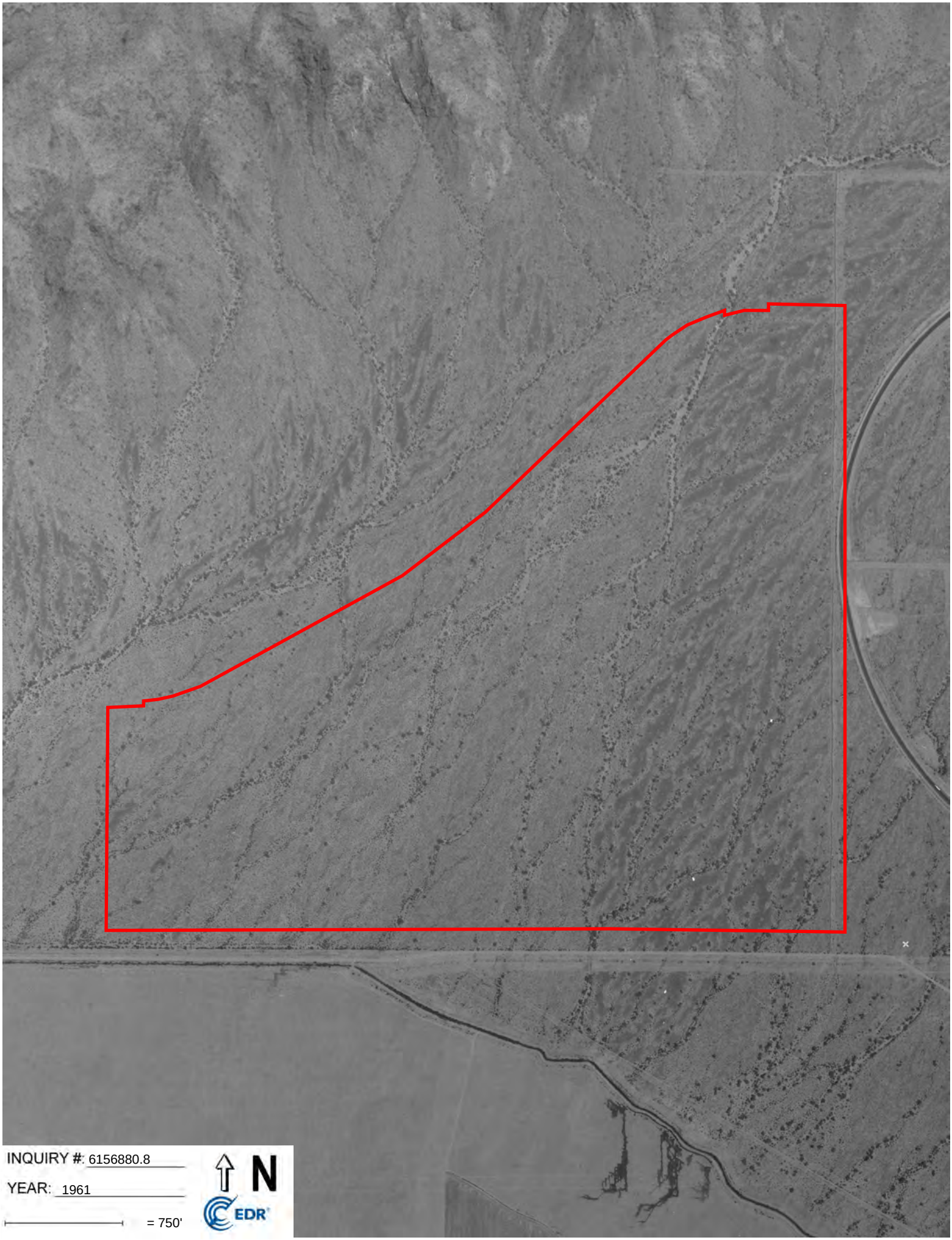
Address Researched	Address Not Identified in Research Source
Ahwatukee Foothills Village	2017, 2014, 2009, 2006, 2004, 2001, 1999, 1994, 1993, 1987, 1985, 1982, 1979, 1977, 1970, 1968, 1965, 1964, 1960, 1955, 1952, 1950, 1947, 1945, 1940, 1935, 1930, 1925, 1920

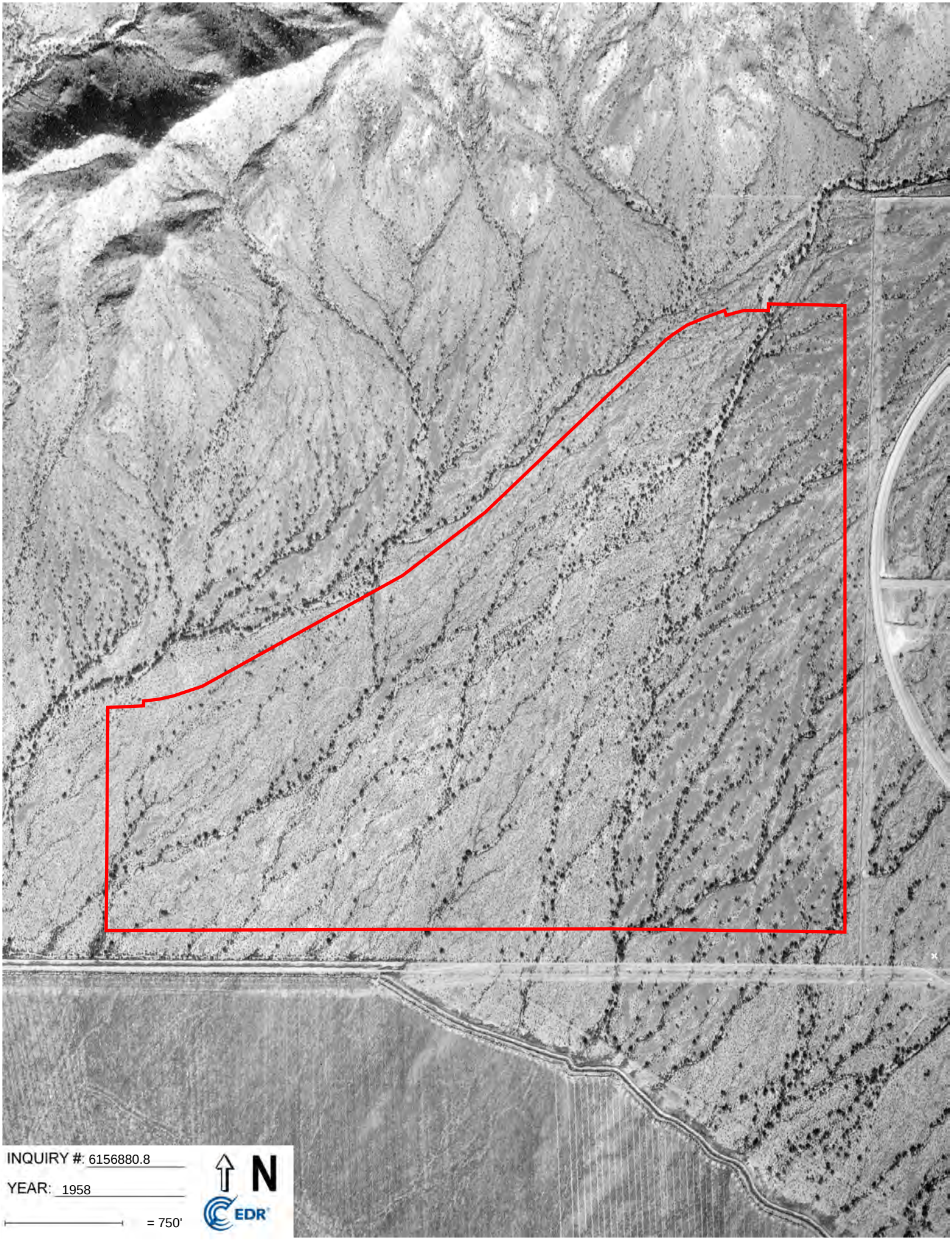
INQUIRY #: 6156880.8
YEAR: 1986
= 750'
N
EDR

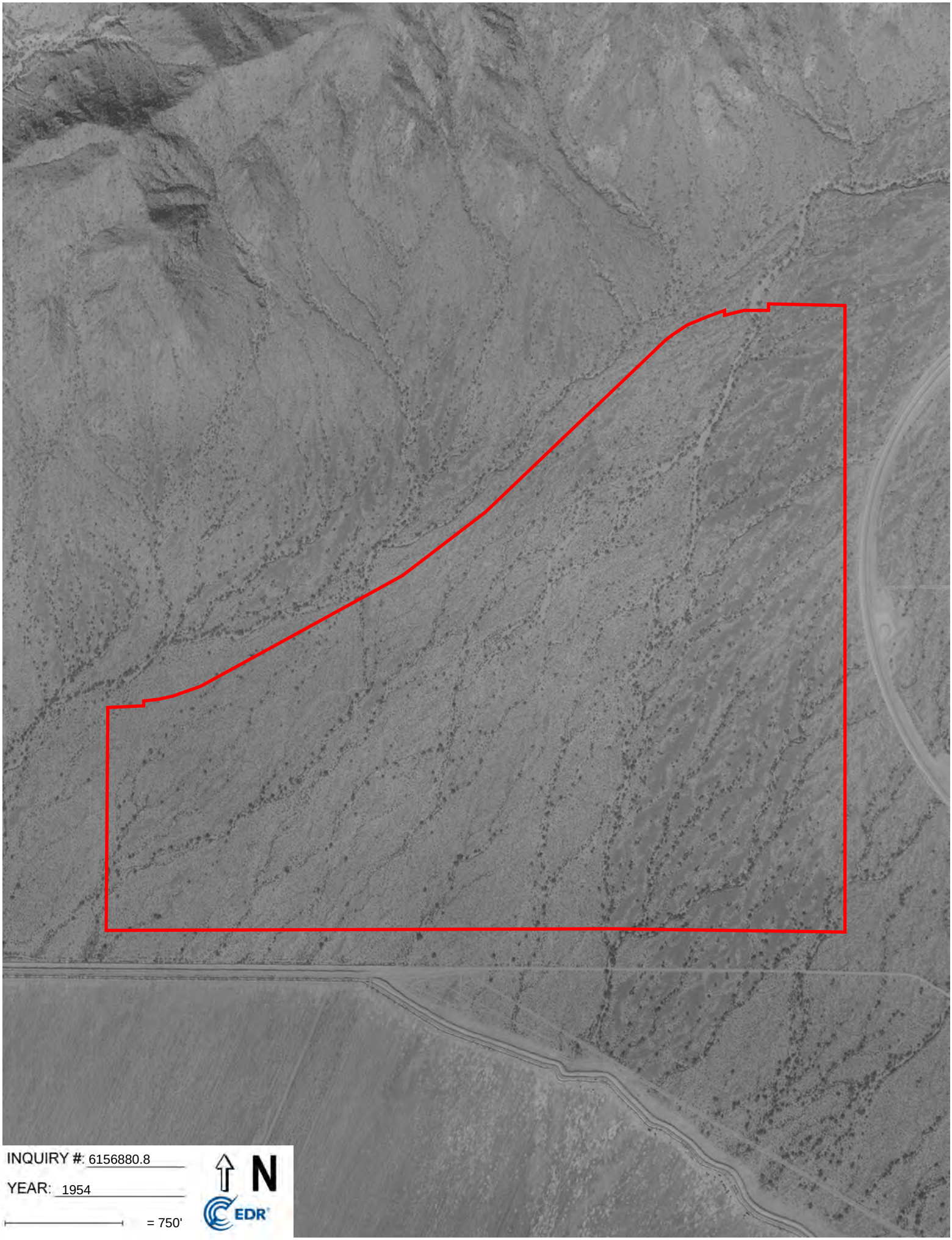
INQUIRY #: 6156880.8
YEAR: 1981
= 750'
N
EDR

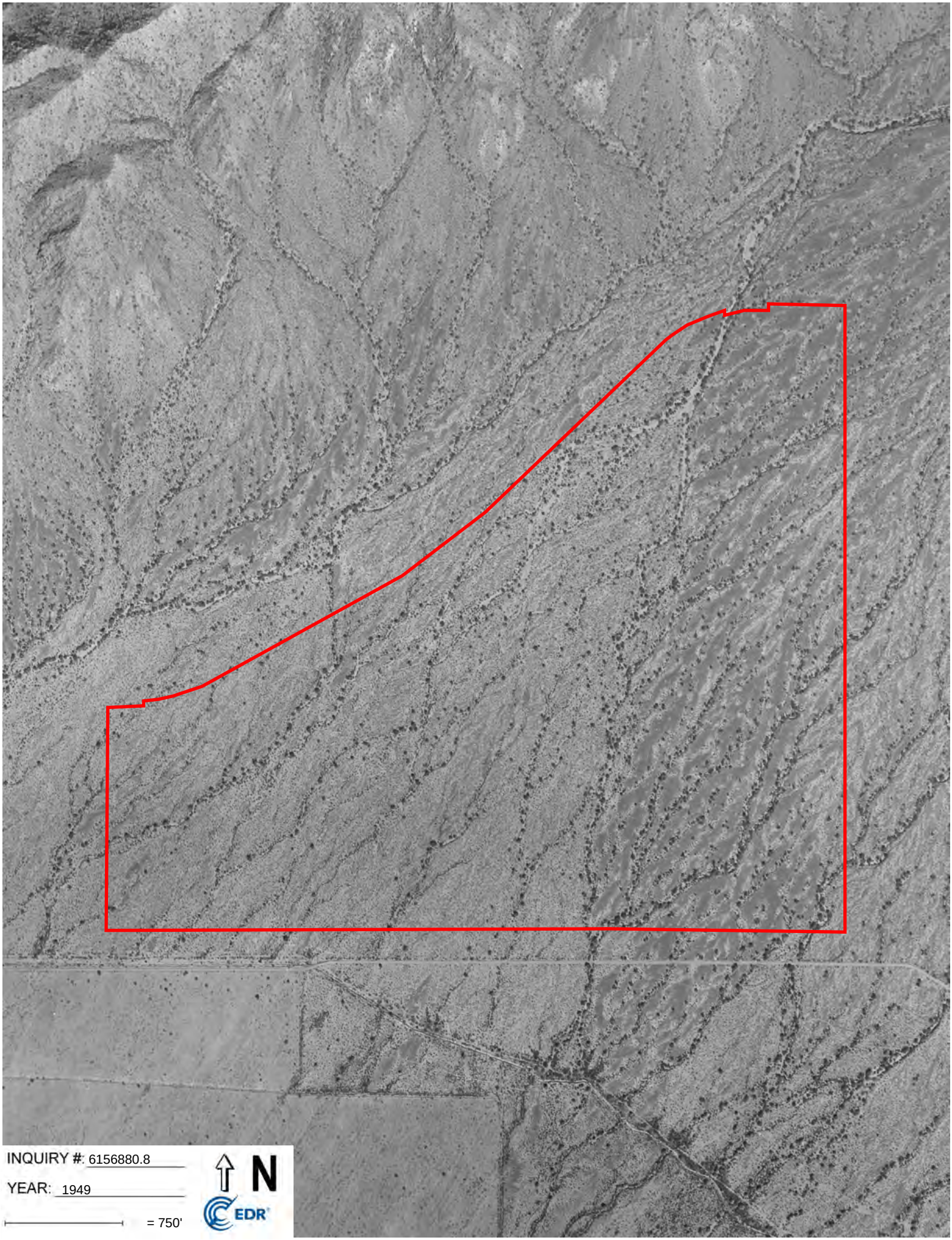
INQUIRY #: 6156880.8
YEAR: 1979
= 750'
N
EDR

INQUIRY #: 6156880.8
YEAR: 1964
= 750'
N
EDR


INQUIRY #: 6156880.8
YEAR: 1961
= 750'
N
EDR


INQUIRY #: 6156880.8
YEAR: 1958
= 750'
N
EDR


INQUIRY #: 6156880.8
YEAR: 1954
= 750'
N
EDR


INQUIRY #: 6156880.8
YEAR: 1949
= 750'
N
EDR

INQUIRY #: 6156880.8
YEAR: 1936
= 750'
N
EDR

Appendix E: Personnel Qualifications

SHEILA A. LOGAN, PE

Ms. Logan is the Manager of Environmental Services at HILGARTWILSON. With more than 20 years of experience in environmental and civil engineering and a specific focus on water resources and the environment, she is versed in strategic project planning, environmental permitting, and regulatory compliance. Ms. Logan adeptly navigates regulations and permit requirements. Emphasizing in Clean Water Act, National Environmental Policy Act, and Safe Drinking Water Act related activities, she also has experience in state surface water and groundwater permitting, environmental remediation, and health and safety. Ms. Logan has prepared numerous reviews under the National Environmental Policy Act and associated development of multi-disciplined analyses including water, biological, cultural, air, socioeconomic and land resources. In addition, she has completed Clean Water Act Section 404 permits, including preliminary and approved jurisdictional determinations, nationwide and individual permits, state water quality certifications, and compensatory mitigation plans. She has also prepared more than a hundred Phase I environmental site assessments.

A breadth of experience allows Ms. Logan to manage and allocate the appropriate resources to meet the project goals. Ms. Logan ensures quality assurance and efficient project execution by maintaining clear communication channels between clients and staff. She institutes the necessary project controls to maintain budgets, schedules, and high quality products that enhance value to clients.

Professional Qualifications

- Professional Engineer, AZ #34000
- Professional Engineer, NM #20406
- Mine Safety and Health Administration

Education

- B.S., Civil and Environmental Engineering; University of Cincinnati; Cincinnati, OH
- Graduate Studies, Civil and Environmental Engineering; University of Cincinnati; Cincinnati, OH

ALAN BERG

Alan Berg has over 25 years of experience conducting environmental site assessments, developing Phase II work plans, and supervising remediation field work. He has prepared scopes of work for environmental assessments and remedial action work plans, as well as execution of the work and completion of associated reports.

Mr. Berg has extensive experience managing lead abatement, asbestos removal, and hazardous materials remediation projects. He relies on his education, training, and experience as a certified fire/arson investigator when performing due diligence investigations and developing conclusions and recommendations for further investigation and/or remedial actions.

Mr. Berg has trained employees performing hazardous waste activities at large and small quantity generator sites. He is an instructor for hazardous waste operation and emergency response (HazWOpER) for technicians working with hazardous and special wastes.

Professional Qualifications

- 40-Hour OSHA HazWOpER Training
- MSHA Certified Surface, Metal, Non-metal, Construction
- MSHA Instructor; MIIN29162463

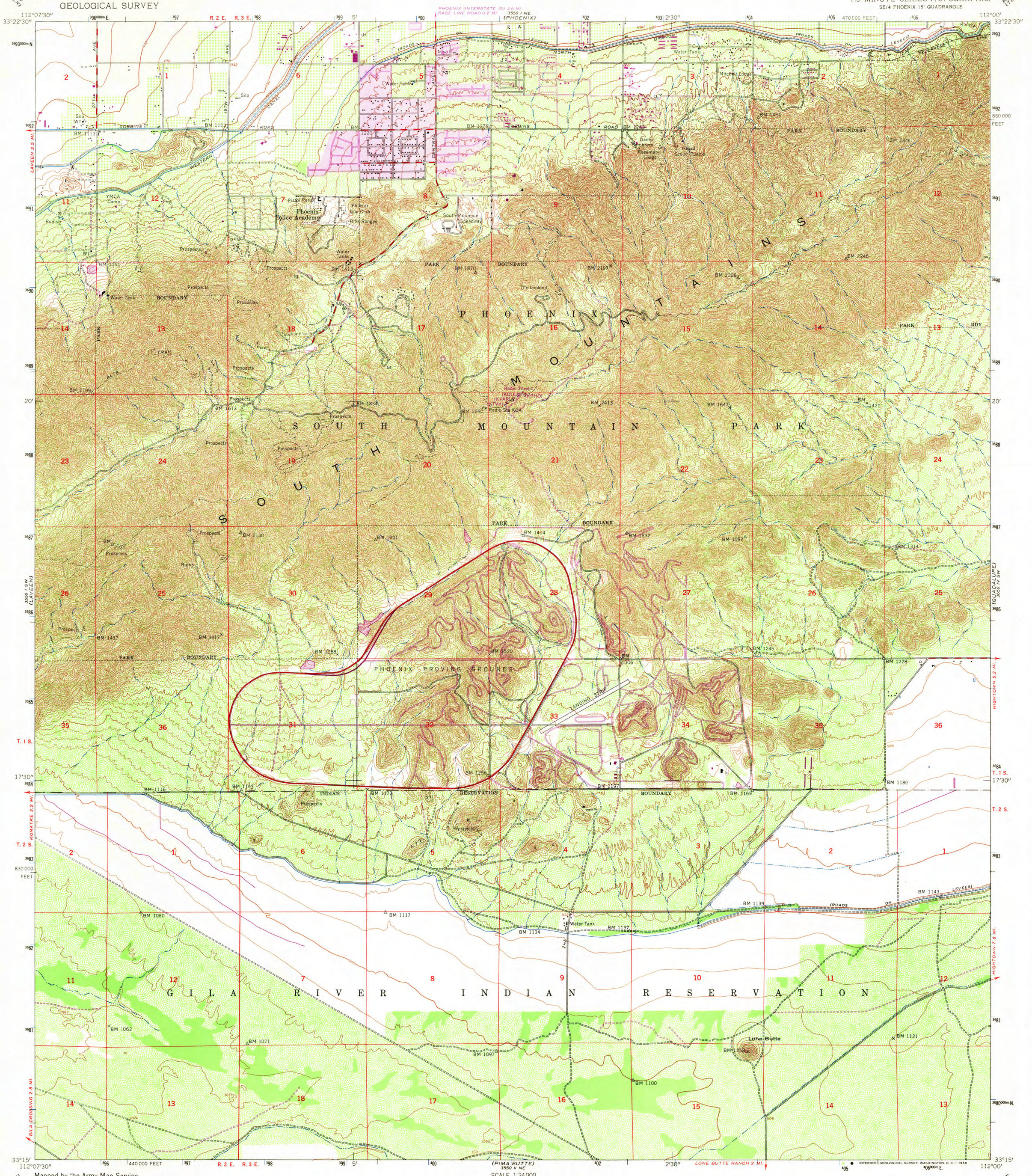
Education

- B.S., Fire Administration, Southern Illinois University, 1987
- A.A.S., Fire Science, Kishwaukee College, 1978
- A.A.S., Electricity and Electronics, Kishwaukee College, 1971

Appendix F: Additional Documentation

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LONE BUTTE QUADRANGLE
ARIZONA—MARICOPA CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE/4 PHOENIX 15' QUADRANGLE



Mapped by the Army Map Service
Published for civil use by the Geological Survey

Control by USGS, USC&GS, and USCE

Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1951. Field check 1952

Polyconic projection. 1927 North American datum
10,000-foot grid based on Arizona coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks,
zone 12, shown in blue

Data shown in purple compiled by the Geological Survey from aerial photographs taken 1967. This information not field checked

Purple tint indicates extension of urban areas

UTM GRID AND 1967 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24000

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

USGS
Historical File
Topographic Division

QUADRANGLE LOCATION

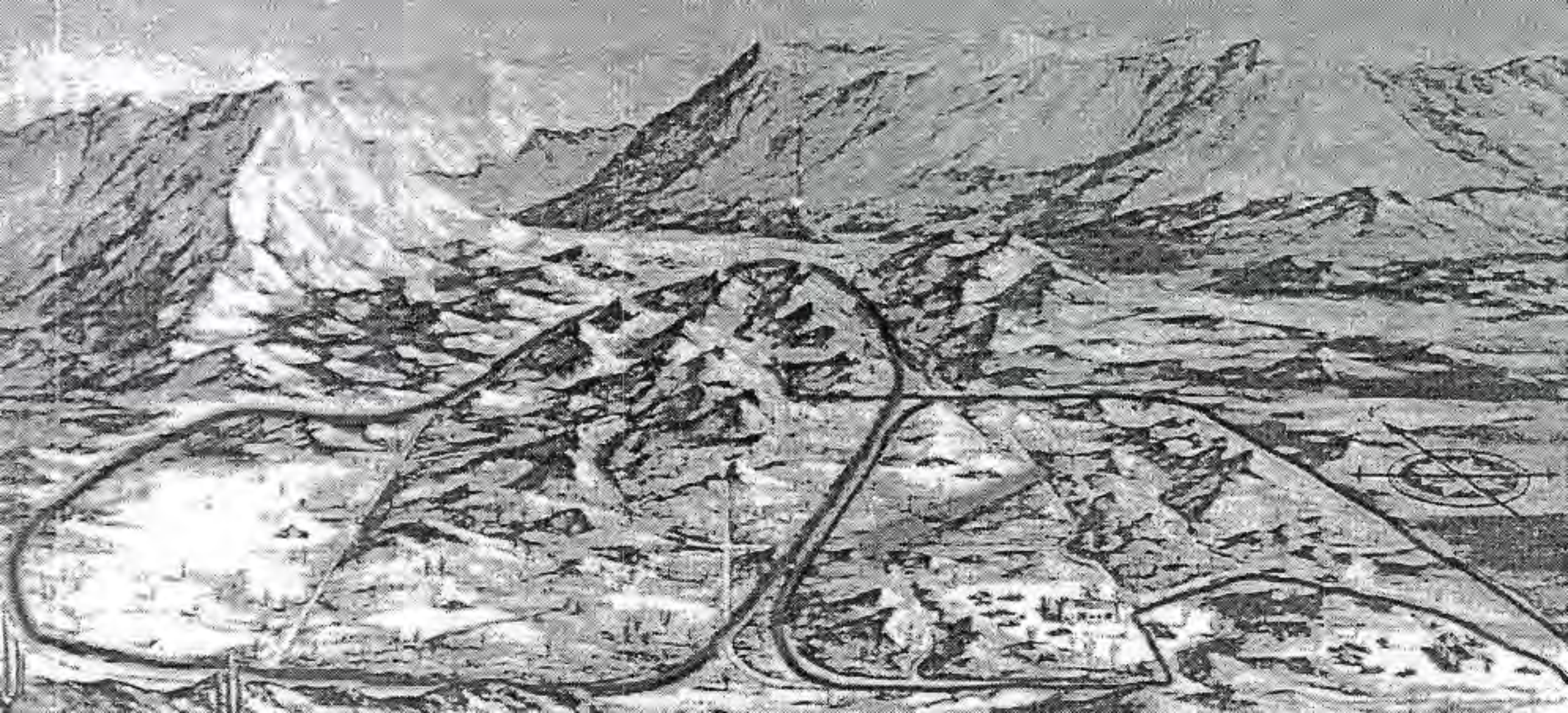
ROAD CLASSIFICATION

Heavy-duty
Medium-duty
Light-duty
Unimproved dirt

U.S.G.S.
FILE COPY
TOPOGRAPHIC DIVISION

LONE BUTTE, ARIZ.
SE/4 PHOENIX 15' QUADRANGLE
N3315—W11200/7.5

1952
PHOTOREVISED 1967
AMS 3550 I SE—SERIES V898

2605
OCT 1968

Northeast
Southwest