Phase I Environmental Site Assessment Cave Creek, Maricopa County, Arizona

Prepared for:



Resolution Copper 102 Magma Heights – Superior, Arizona 85173-2523

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WestLand Project Number: 13095



May 15, 2025





Engineering & Environmental Services

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EXECUTIVE SUMMARY

WestLand Engineering & Environmental Services (WestLand) was contracted by Resolution Copper Mining, LLC (Resolution; a report "User") to perform a Phase I Environmental Site Assessment (ESA) for approximately 149 acres referred to as the Cave Creek parcel (also known as the 6L Ranch; "the Property"). The Property is presently under non-federal ownership (Resolution), but is proposed as part of a land exchange with the U.S. Forest Service (USFS; a report "User") under the *Southeast Arizona Land Exchange and Conservation Act of 2013* (U.S. Congress 113th).¹ The Property is a private inholding within the Tonto National Forest, located along Cave Creek approximately 6 miles north of the town of Cave Creek. The nearest large metropolitan community is Phoenix, Arizona, located approximately 25 miles south of the Property. The Property is located in a portion of Section 21 of Township 7 North, Range 4 East, relative to the Gila and Salt River Meridian, in Maricopa County, Arizona (**Figure 1**). The Maricopa County Assessor's Parcel Number (APN) for the Property is 219-09-001.

An aerial photograph showing the Property boundaries is included in **Figure 2**. **Figure 3** shows surface management (land ownership) of the Property and vicinity. Photographs depicting the site and vicinity are provided in **Appendix A** at the locations indicated in **Figure 4**.

This Phase I ESA has been completed in accordance with the guidelines provided in the ASTM International (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Property* (ASTM E 2247-23). The purpose of this work was to identify the presence or potential presence of recognized environmental conditions (RECs) resulting from past or present activities. According to ASTM guidelines, a REC is defined as "…the presence of hazardous substances or petroleum products in, on, or at the subject property due to any release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment."

Findings

Environmental Liens/Activity and Use Limitations

WestLand engaged Environmental Data Resources (EDR) to conduct a search of available land title records for environmental liens or activity and use limitations (AULs) on the Property. A search was completed for Maricopa County APN 219-09-001 on February 24, 2025, and no records of environmental

¹ The Southeast Arizona Land Exchange and Conservation Act of 2013 is section 3003 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015.

liens or AULs associated with the Property were identified. There were no title records reviewed that indicated a REC in connection with the Property.

Records Review

Environmental Records—WestLand contracted with EDR to conduct an electronic search of regulatory agency databases for references to the Property and surrounding lands. The database search was completed on February 20, 2025, by conducting a search from the boundaries of the Property to the minimum search distance recommended by the ASTM standard. No records were found for the Property or surrounding area.

In a prior Phase I ESA, the MRDS database reported an old mine site approximately 0.6 miles (also outside of the ASTM-recommended search radius for this database) south of the Property—the Silver Cross Mine that operated from 1957 to 1959, mining gold, copper, and silver. AMCA Resources Ltd is noted to have completed exploration drilling and constructed a leach facility at this location between 1984 and 1986 (WestLand 2016). This mine and related prospects are located downstream of the Property, and the timeframe and scale of production was limited; therefore, mine workings associated with this record are not considered a REC for the Property.

Historical Topographic Maps—WestLand reviewed historical topographic maps of the Property from 1930 to 2021. The topographic maps of the Property and vicinity indicate that the Property has had limited development and use since at least 1930. Historical use of the Property appears to have been limited to primitive (dirt) roads, and a structure is still depicted at the northwest portion of the Property where the road changes direction from northbound to eastbound. There are several mine prospects identified south of the Property.

Historical Aerial Photographs—WestLand reviewed historical aerial photographs of the Property from 1953 to 2019. The historical aerial photographs of the Property and vicinity also indicate that the Property has had limited development and use. The historical aerial photographs indicate that land use at the Property and in the surrounding area was for homesteading and had a cattle pasture; this is consistent with site reconnaissance and other historical information gathered by WestLand.

Prior Environmental Reports—Prior Phase I ESAs were completed by WestLand in 2004, 2016, 2020, and 2024 (WestLand 2004b, 2016, 2020, 2024). The 2004, 2016, 2020 and 2024 Phase I ESAs reported no evidence of RECs, historical RECs, controlled RECs, or *de minimis* conditions for the Property.

Physical Setting

The Property is located in the Central Highlands physiographic province in the transition zone between the Basin and Range and Colorado Plateau provinces. The Property is located along the canyon floor and adjacent upland areas of Cave Creek with elevations ranging from 2,560 to 2,800 feet above mean sea level (amsl).

The Property lies in the Galloway Wash-Cave Creek sub-basin within the Salt River Basin surface watershed (HUC 150601). Stream flow in Cave Creek is ephemeral to intermittent, with some perennial reaches in the vicinity of the Property. Cave Creek flows generally south and originally joined the Salt River in Phoenix. The creek's flow to the Salt River is now intercepted by the Cave Creek Dam, well south (downstream) of the Property in the northern Phoenix Metropolitan Area and the canal system in Phoenix, which diverts the stream to discharge into the Agua Fria River (WestLand 2004c).

The Property is located in the Carefree groundwater sub-basin within the larger Phoenix Active Management Area (AMA) groundwater basin. This basin covers approximately 140 square miles within Maricopa County. The general groundwater flow direction for this sub-basin is to the west southwest. There are no registered wells within the Property; however, seven wells are registered with the Arizona Department of Water Resources (ADWR) within 1 mile from the Property boundaries (**Figure 2**). Available records for these wells indicate that water levels (likely taken at the time of well installation [circa 1990-2000]) vary between 28 and 195 feet below ground surface (bgs) (ADWR 2020).

Historical Use

Land use at the Property has been limited to homesteading and cattle ranching. John W. Lewis established a claim to the land pursuant to the Homestead Act in April 1920. In the 1930s and 1940s, the Property was acquired by the Cartwrights, another cattle rancher in the area. The Property was used for cattle grazing until 2001 when the USFS restricted grazing on adjacent public lands (the Cartwright allotment of the Tonto National Forest). In the 1980s, the Johnson Cattle Company acquired the Property from the Cartwright organization, and Swift Current Land & Cattle LLC acquired the Property in 2004. The current owner, Resolution, acquired the Property from Swift Current Land & Cattle LLC in 2020. There is no evidence of a formal ranching headquarters that may have stored chemicals at the Property, and development of the Property as a ranch was limited. Use of the Property as a cattle ranch does not indicate any RECs.

Historical and current land use on land surrounding the Property is largely similar to the Property and may include recreational camping, hunting, or hiking.

Site Reconnaissance

On March 7, 2025, WestLand environmental specialists, Joel Diamond and Christopher Rife, performed a site reconnaissance of the Property to visually assess existing environmental conditions. Field observations were consistent with the findings of WestLand's historical records review of the Property and surrounding properties. The Property is undeveloped open space with evidence of former ranching use.

Several ranching features were observed near the north boundary of the Property, which was likely part of the John Lewis Homestead/Lewis Ranch. Developed features currently present include remnants of fencing and a corral area. An upside-down car body was also noted on the Property as well as a concrete watering

trough, pipes, a steel cistern, a shallow hand-dug well, a collapsed dry-laid masonry outbuilding with a tin roof, and a wooden cattle chute.

Given that no building foundations were observed, it is likely there was not a permanent residence at the Property though temporary dwellings may have been constructed. The Property was, however, extensively used and occupied by prehistoric cultures, as petroglyphs, stone structures, and grinding areas are present at several locations along Cave Creek and on ridge tops overlooking the stream (Charest, Francis, and Hooper 2016).

There is no evidence of current human occupation or considerable recreational use of the site, although dispersed hunting and camping have likely occurred; several campfire rings were observed.

Interviews

Individuals and representatives at various agencies were interviewed (or contacted for interview) as part of this and prior assessments:

- The report User and Property owner: Casey McKeon, representative for Resolution
- The report User: Micah Grondin, representative for the USFS
- The Arizona Department of Forestry and Fire Management; no records for the Property were found
- Kevin Smith, Interpretive Ranger for the Maricopa County Parks and Recreation Department, Spur Cross Ranch Conservation Area
- Ed Childers, consultant to Johnson Cattle Company and the site representative in 2004, past interview in 2004 (WestLand 2004b)

No information provided through the interviews indicates the potential for a REC in connection with the Property.

Recognized Environmental Conditions

WestLand has performed this Phase I ESA in conformance with the scope and limitations of ASTM E 2247-23 for the Property. This assessment has revealed no evidence of RECs, historical RECs, controlled RECs, or *de minimis* conditions in connection with the Property.

1. INTRODUCTION

WestLand Engineering & Environmental Services (WestLand) was contracted by Resolution Copper Mining, LLC (Resolution; a report "User") to perform a Phase I Environmental Site Assessment (ESA) for approximately 149 acres referred to as the Cave Creek parcel (also known as the 6L Ranch; "the Property"). The Property is presently under non-federal ownership (Resolution) but is proposed as part of a land exchange with the US Forest Service (USFS; a report "User") under the *Southeast Arizona Land Exchange and Conservation Act of 2013* (U.S. Congress 113th).² The Property is a private inholding within the Tonto National Forest, located along the Cave Creek drainage approximately 6 miles north of the town of Cave Creek. The nearest large metropolitan community is Phoenix, Arizona, located approximately 25 miles south of the Property. The Property is located in a portion of Section 21 of Township 7 North, Range 4 East, relative to the Gila and Salt River Meridian, in Maricopa County, Arizona (**Figure 1**). The Maricopa County Assessor's Parcel Number (APN) for the Property is 219-09-001.

1.1. PURPOSE

The purpose of this investigation was to assess the Property and surrounding areas to identify the presence or potential presence of recognized environmental conditions (RECs) potentially resulting in environmental impacts to the Property. According to the ASTM International (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Property* (ASTM E 2247-23), a REC is defined as: "...the purpose of this investigation was to assess the Property and surrounding areas to identify Recognized Environmental Conditions (RECs) potentially resulting in environmental impacts to the Property. According to the ASTM International (ASTM) Standard Practice for Environmental impacts to the Property. According to the ASTM International (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Property (ASTM E 2247-23), a recognized environmental Site Assessment Process for Forestland or Rural Property (ASTM E 2247-23), a recognized environmental condition is defined as: the presence of hazardous substances or petroleum products in, on, or at the subject property due to any release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment. A *de minimis* condition is not a recognized environmental condition."

The results of an investigation may be used as part of the due diligence investigation for prospective property owners promulgated pursuant to the *Comprehensive Environmental Response, Compensation, and Liability Act of 1980* (CERCLA, a.k.a. Superfund), the *Superfund Amendments and Reauthorization Act of 1986* (SARA), and the *Small Business Liability Relief and Brownfields Revitalization Act of 2002* (the Brownfield Amendments). This Phase I ESA is intended to assist the User in satisfying the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser

² The Southeast Arizona Land Exchange and Conservation Act of 2013 is section 3003 of the Carl Levin and Howard P. "Buck" McKeon National Defense Authorization Act for Fiscal Year 2015.

limitations of CERCLA. Additionally, the Property owner has continuing obligations, if applicable, to receive liability protections in addition to the All Appropriate Inquiry (40 CFR Part 312). The continuing obligations include: 1) compliance with land use restrictions; 2) not impeding the effectiveness or integrity of institutional controls; 3) taking reasonable steps to prevent releases; 4) providing assistance and access to the U.S. Environmental Protection Agency (EPA), state, or other parties conducting response or restoration actions; 5) complying with CERCLA information requests and subpoenas; and 6) providing legally required notices.

1.2. SCOPE OF SERVICES

This Phase I ESA has been completed in accordance with the guidelines provided in ASTM E 2247-23. This standard satisfies the requirements of the EPA All Appropriate Inquiry provisions, which became effective November 1, 2006 (40 CFR Part 312). This protocol requires the review of readily available environmental records, historical and current land use, interviews with persons knowledgeable about the Property, and a site reconnaissance to observe on-site conditions and adjoining properties.

The User of this report has responsibilities for addressing some of the mandatory provisions of the standard. ASTM E 2247-23 Section 6 (User Responsibilities) describes tasks that will help identify the possibility of RECs in connection with the Property that do not require the expertise of an environmental professional, including checking title records for environmental liens and activity and use limitations (AULs). WestLand commissioned a title search for environmental liens and AULs on the User's behalf.

This Phase I ESA does not assess ASTM non-scope considerations, including asbestos-containing building materials, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality (including vapor intrusion), biological agents, mold, or other nuisances.

1.3. LIMITATIONS AND EXCEPTIONS

This Phase I ESA evaluates potential sources of hazardous substances or petroleum products that could be considered a REC and a liability due to their presence in significant concentrations, or the potential for contamination migration through exposure pathways. Unless otherwise noted, this assessment did not include any testing or sampling of materials. Hazardous substances occurring naturally are not typically considered. This report is intended to provide further recommendations regarding potential RECs related to the Property; conclusive identification of hazardous substances and petroleum products can be accomplished only through sampling and laboratory analysis.

Site reconnaissance does not provide information regarding potential sources of contamination below the ground surface. However, in cases of subsurface contamination, aboveground indicators such as obvious stress to plant life or staining are noted. All findings are based on observations, information collected, and conditions during the site visit. A change in those conditions may alter the findings and conclusions of this report.

A Phase I ESA cannot, within its scope of assessment, wholly eliminate uncertainty regarding the potential presence of RECs. WestLand believes that the information in this report is reliable; however, WestLand cannot guarantee that the information provided by all the sources contained in this report is complete and accurate. This report is intended to decrease, but not eliminate, uncertainty regarding the potential for RECs in connection with a property, given reasonable limits of cost and time, and in a manner consistent with the customary practices of the environmental consulting industry, under similar circumstances at the time services were performed and in similar localities. It should be noted that the conditions at the Property could change as a result of natural processes or be altered by human activities at the Property and/or nearby sites.

1.4. SPECIAL TERMS AND CONDITIONS

No special terms or conditions are associated with this report.

1.5. USER RELIANCE

This Phase I ESA has been prepared for use by Resolution and the USFS in support of the *Southeast Arizona Land Exchange and Conservation Act of 2013* (U.S. Congress 113th). It may not be relied upon by any other person or entity without the written consent of WestLand.

1.6. CONTINUED VIABILITY

The ASTM E 2247-23 guidelines require that certain components of a Phase I ESA be completed less than 180 days prior to the date of acquisition or the intended transaction if no acquisition is involved; therefore, their useful life is limited. The following components of the Phase I ESA are presumed valid only within 180 days after the date that the component is completed:

- Interviews
- Searches for environmental liens
- Government records review
- Site reconnaissance
- Declaration by the environmental professional

Other components of the Phase I ESA (e.g., historical aerial photograph and topographic map reviews) are valid for 1 year. The above-listed components can be updated separately in order to eliminate redundant environmental due diligence efforts within 1 year. After 1 year has passed, all Phase I ESA components should be redone. The prior Phase I ESA report may be used as a reference during completion of the new investigation and analysis.

2. SITE DESCRIPTION

This section describes the location, general characteristics, and current uses of the Property. The current uses of adjoining properties are also described. Photographs depicting the Property and vicinity are provided in **Appendix A**. A recent aerial photograph depicting the Property and near vicinity is provided in **Figure 2**. Surface management (land ownership) is depicted in **Figure 3**. The approximate locations of the photographs with GPS locations provided in **Appendix A** are shown in **Figure 4**.

2.1. LOCATION AND LEGAL DESCRIPTION

The Property is a private inholding within the Tonto National Forest, located along Cave Creek approximately 6 miles north of the town of Cave Creek. The nearest large metropolitan community is Phoenix, Arizona, located approximately 25 miles south of the Property. The Property is located in a portion of Section 21 of Township 7 North, Range 4 East relative to the Gila and Salt River Meridian, in Maricopa County, Arizona (**Figure 1**). The Maricopa County APN for the Property is 219-09-001.

2.2. SITE AND VICINITY GENERAL CHARACTERISTICS

The Property comprises 149 acres and is located along the canyon floor and adjacent upland areas of Cave Creek with elevations ranging from 2,560 to 2,800 feet above mean sea level (amsl). The Property and surrounding areas are comprised of rugged canyons and mesas; the area was formerly used for cattle grazing. The Property and its vicinity are largely devoid of development such as buildings or major earthwork.

2.3. CURRENT USE OF THE PROPERTY

There is no evidence of current human occupation or considerable recreational use of the Property, though it is likely that dispersed hunting and camping have recently occurred. Several campfire rings were observed on the Property and shell casings were observed on adjacent land. There has been no recent use of the Property by the current owner.

2.4. DESCRIPTION OF STRUCTURES, ROADS, AND OTHER IMPROVEMENTS ON THE SITE

Several historical ranching features were observed near the north boundary of the Property including remnants of fencing and a corral area. No building foundations indicating permanent structures were observed. Previous site visits noted more derelict ranching features that are no longer present likely due to decomposition of materials.

The Property was, however, extensively used and occupied by prehistoric cultures, as petroglyphs, stone structures, and grinding areas are present at several locations along Cave Creek and on ridge tops overlooking the stream (Charest, Francis, and Hooper 2016).

2.5. CURRENT USES OF ADJOINING PROPERTIES

Areas surrounding the Property are National Forest System (NFS) lands managed by the USFS, as part of the Tonto National Forest. The NFS land is currently used for dispersed recreational activities (primarily hunting, camping, off-road vehicle use, and hiking). Cattle grazing was reportedly allowed until 2001. A mining operation was previously located approximately 0.6 miles downstream of the Property, to the south. There are no current commercial or industrial uses on adjoining lands.

3. USER PROVIDED INFORMATION

The report User and landowner is Resolution who provided relevant information about the Property on March 18, 2025. The Resolution representative is Casey McKeon. The USFS is another report User, whose representative is Micah Grondin. A copy of the User and Owner Questionnaire is provided as **Appendix B**. Information provided by the Users are summarized in the following subsections.

3.1. TITLE RECORDS

As part of prior interview efforts, Resolution provided copies of title information in connection with the Property, which was transmitted on April 6, 2004, from the title company (Land America Commercial Services) to Swift Current Land & Cattle LLC. This included a copy of Lawyers Title Cooperation Title Commitment dated March 10, 2004. The accompanying title insurance requirements and exceptions typically list known land encumbrances (i.e., taxes, deed restrictions, easements, liens) and may provide an indication of the potential for contamination at the Property (**Appendix C**).

A copy of the deed associated with the Property is included in **Appendix D**. WestLand was provided with the current deed for the Property that accompanied the search of available land title records for environmental liens and AULs on the Property (Maricopa County APN 219-09-001). The Special Warranty Deed was executed in March 2020 and recorded the following month conveying ownership from Swift Current Land & Cattle LLC to Resolution (a Delaware limited liability company). The deed does not indicate that there are any environmental liens or AULs on the Property. A copy of the deed is included with **Appendix D**.

Based on WestLand's review, the listed standard and specific encumbrances do not indicate the release or threat of a release of a hazardous material or petroleum product at the Property.

WestLand reviewed U.S. Department of the Interior, Bureau of Land Management (BLM) General Land Office homestead records and identified a Record of Patent for the Property. This record identifies John W. Lewis as establishing a claim to the land pursuant to the Homestead Act (BLM 2020). The Record of Patent is dated April 28, 1920. In 2004, the then-Property owner representative (Ed Childers) identified Mr. Lewis as the original landowner. According to Ed Childers, the land was acquired by the Cartwrights, another cattle rancher in the area, in the 1930s or 1940s and the Johnson Cattle Company acquired the Property

from the Cartwright organization in 1980 (WestLand 2016). This informal chain-of-title record review did not identify the presence of any RECs associated with the Property.

3.2. ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

Neither Resolution nor the USFS are aware of any environmental liens or AULs for the Property.

WestLand engaged Environmental Data Resources (EDR) to conduct a search of available land title records for environmental liens and AULs on the Property. A search for environmental liens and AULs was completed on February 24, 2025; no records of environmental liens or AULs associated with the Property were identified (**Appendix D**).

3.3. SPECIALIZED KNOWLEDGE

Resolution provided no information regarding specialized knowledge of the Property beyond information described as "commonly known" or "reasonable ascertained" (see **Section 3.4**).

The USFS provided no information regarding specialized knowledge of the Property.

3.4. COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

Resolution indicated that until 2001 the Property was used for cattle grazing, and to their knowledge, was largely devoid of development such as buildings or major earthwork, and that currently the Property is vacant. Resolution has no knowledge or evidence of chemical storage at the Property. No other commonly known or reasonably ascertainable information relevant to potential RECs was provided by Resolution.

The USFS reported that the Property was previously used for ranching. No other commonly known or reasonably ascertainable information relevant to potential RECs was provided by the USFS.

3.5. VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

Both the USFS and Resolution reported that there is no information indicating the value of the Property has been reduced as a result of environmental issues.

3.6. REASON FOR PERFORMING A PHASE I ESA

Both the USFS and Resolution stated that the Phase I ESA was being performed to identify RECs requiring additional investigation relating to a land exchange property transaction with the USFS under the *Southeast Arizona Land Exchange and Conservation Act of 2013* (U.S. Congress 113th).

3.7. OTHER

Based on Resolution's knowledge of, and experience related to the Property, no obvious indicators point to the presence or likely presence of contamination on the Property of which Resolution is aware. No other information relevant to potential RECs was provided by Resolution or the USFS.

4. RECORDS REVIEW

WestLand reviewed a variety of regulatory records to determine if any past uses of the Property or uses within adjoining areas may have led to RECs on the Property.

4.1. ENVIRONMENTAL RECORD SOURCES

WestLand contracted with EDR to conduct an electronic search of regulatory agency databases for references to the Property and surrounding lands. The database search was conducted on February 20, 2025, and included standard and additional federal, tribal, state, local, and supplemental database records, as well as EDR proprietary database records. The regulatory agency databases were queried by conducting a search encompassing the Property as well as from the Property boundaries to the minimum search distance recommended by the ASTM standard. A copy of the EDR environmental report (EDR Radius Map Report with GeoCheck) that describes the databases searched, search distances, record details for the search results, and the dates the databases were last updated is provided in **Appendix E**.

There were no environmental database records within the ASTM-recommended distance of the Property boundaries. Additionally, there were no un-mappable (orphan) sites identified.

4.2. PRIOR ENVIRONMENTAL REPORTS

Four prior Phase I ESAs have been completed for the Property, in 2004, 2016, 2020, and 2024 (WestLand 2004b, 2016, 2020, 2024). No evidence of any RECs was observed on the Property nor were there any indications of past or current activities leading to RECs on the Property or adjoining parcels (WestLand 2004b, 2016, 2020, 2024). Relevant information from the prior reports has been incorporated and referenced in this report. There are no changes to the Property since the 2024 site reconnaissance that indicate a potential REC in connection with the Property.

4.3. PHYSICAL SETTING

The Property's physical setting was evaluated by WestLand to gain a comprehensive understanding of the Property's geophysical characteristics. These geophysical characteristics, including surface topography, soils, geology, hydrology, and hydrogeology may relate to the potential migration of hazardous substances and petroleum products to or from the Property.

4.3.1. Topography

The Property is located in the Central Highlands physiographic province in the transition zone between the Basin and Range and Colorado Plateau provinces. The Property is located along the canyon floor and adjacent upland areas of Cave Creek with elevations ranging from 2,560 to 2,800 feet amsl. Cave Creek is the dominant stream in the immediate area; numerous named and unnamed tributaries feed this creek. Cave Creek flows to the south through the Property. The main tributaries are Bronco Creek, Springs Wash, Little Maggie May, Big Maggie May, Grays Gulch, and Matty's Fork. Significant springs in the watershed include Quien Sabe Spring, C P Spring, Walnut Spring, and Maggie May Spring (WestLand 2004a, 2004b, 2016). Cave Creek drains the southern portion of the New River Mountains, a rugged range defining the eastern extent of the Agua Fria River valley. Notable peaks in the vicinity of the Property include Skill Mesa (rising to 4,436 feet) immediately east of the Property, Sugarloaf Mountain (rising to 3,875 feet) southwest of the Property, and Black Mesa (rising to 4,745 feet) northwest of the Property.

Within the Property, the topography is comprised of nearly flat floodplains with terraces adjacent to the stream that are up to approximately 6 feet above the active channels. Upland areas display moderate to steep slopes with some vertical sections where erosion has removed sedimentary (alluvial [stream bed] or lacustrine [lake bed]) deposits (WestLand 2004a, 2004b, 2016). The elevation of the Cave Creek channel as it enters the northern (upstream) portion of the Property is approximately 2,620 feet amsl while the elevation is 2,520 feet amsl at the southern (downstream) portion. The channel bed within the Property slopes gently (0.017 percent), dropping approximately 100 feet in the 1.05-mile reach through the Property.

4.3.2. Soils

The National Cooperative Soil Survey, through Web Soil Survey (Soil Survey Staff 2025)³ had no available digital data for the Property. The Property was previously mapped for the 2016 Phase I ESA (WestLand 2016) with the Arizona Land Resource Information System (ALRIS) General Soils Map.⁴ The ALRIS General Soils Map indicates that the Property is located within Lithic-Torriorthents-Lithic Haplustolls-Rock Outcrop soil association (HA3). The soils of this association are well-drained, shallow soils and rock outcrops that occur on semiarid, mid-elevation hills and mountains. These soils formed in residuum weathered from many rock types including granite, gneiss, rhyolite, andesite, tuffs, limestone, sandstone, and basalt. Lithic Torriorthents make up nearly 30 percent, Lithic Haplustolls 25 percent, rock outcrop 25 percent, and Haplargids, Torrifluvents, and other minor soils make up the other 20 percent of the association. Smoother areas of this soil association have good potential for livestock grazing. Characteristics of these soils that limit their use include steep slopes, shallow depth to bedrock, and rock fragments on the surface (Hendricks 1985).

³ Accessed online on February 26, 2025.

⁴ Arizona Land Resource Information System (ALRIS). 1975. Regional Soils: GIS Cover. Online data retrieved at http://www.azland.gov/alris/layers.html. Accessed March 2015. This tool is no longer available online.

4.3.3. Geology

The geology of the Cave Creek area within the New River Mesa 7.5-minute quadrangle, and including the Property, has been described as mountainous (Ferguson, Gilbert, and Leighty 1998, Gilbert 1998). Bedrock dominates most of the land surface in this area, with colluvium and alluvium accumulations on valley and canyon floors. Because of the steep slopes, recent colluvium or landslides cover bedrock at the toes of the mesa cliffs and slopes. Alluvium is present only in and along narrow stream channels. The New River Mountains are comprised of Quaternary and Tertiary basalt-covered tablelands cut by mountain-fed streams through Precambrian metamorphic rocks (Chronic 1983). Cave Creek has carved a canyon approximately 1,300 feet deep through large mesa-forming Tertiary lava flows. On the upper slopes of the canyon, the walls are generally steep, even cliff-forming; the lower slopes are less steep in most places. A notable feature of the lower slopes is the high number of large igneous boulders that have slid, tumbled, or slumped from the mesas above.

The geology underlying the majority of the Property is mapped as Middle Miocene to Oligocene Volcanic and Sedimentary Rocks, Undivided (Tsv) (Richard et al. 2000). Middle Miocene to Oligocene Volcanic and Sedimentary Rocks consist of a sequence of diverse volcanic rocks with abundant interbedded sedimentary rocks. Small portions of the northern and southern tips of the Property are mapped as Early Proterozoic Metavolcanic Rocks (Xmv) (Richard et al. 2000). Early Proterozoic Metavolcanic Rocks are weakly to strongly metamorphosed volcanic rocks including basalt, andesite, dacite, and rhyolite deposited as lava or tuff, related sedimentary rock, and shallow intrusive rocks.

Cave Creek itself somewhat parallels a Tertiary fault, and the canyon was likely formed by erosion of the weakened rock along the fault line (Ferguson, Gilbert, and Leighty 1998). The fault runs through the extreme northwest corner of the Property. Two earthquakes occurred near Cave Creek on December 19 and 23, 1974 and have been described as 2.5 and 3.0 on the Richter magnitude scale. This suggests that deep faults occur in the New River Mesa area and indicates that there are still at least some locally active deep faults in the region of the Property.

4.3.4. Hydrology

The Property lies in the Galloway Wash-Cave Creek sub-basin within the Salt River Basin surface watershed (HUC 150601). Cave Creek flows generally south and originally joined the Salt River in Phoenix. The creek's flow to the Salt River is now intercepted by the Cave Creek Dam, well south (downstream) of the Property in the northern Phoenix Metropolitan Area and the canal system in Phoenix, which diverts the stream to discharge to the Agua Fria River.

Stream flow in Cave Creek is ephemeral to intermittent, with some perennial reaches in the vicinity of the Property. The map of the perennial streams of Arizona compiled by Brown et al. (1978) indicate that there is an approximately 4-mile long stretch of perennial flow in Cave Creek upstream of the Property with the lower reach at least 1.5 miles above the northern boundary of the Property. This perennial reach of Cave

Creek has been identified by the Arizona Department of Environmental Quality (ADEQ) as "Inconclusive" regarding attainment of water quality standards for designated uses (Fish Consumption, Full Body Contact, Agricultural Livestock Watering, and Aquatic and Wildlife [warm water] (ADEQ 2015). Additional sampling for a suite of parameters has been recommended.

The National Wetlands Inventory map identifies no wetlands within the Property (USFWS 2025).⁵ Hydroriparian and mesoriparian habitat is present along the stream channel. Facultative and obligate wetland species, and (to a limited extent) hydric soils, were observed surrounding the perennial pools and intermittently along the stream channel. Based on these observations, approximately 1 acre of wetlands occurs along Cave Creek within the Property.

The area has been mapped by the Federal Emergency Management Agency (FEMA) as flood Zone D, an area of undetermined flood hazard. Based on field observations, the floodplain within the Property follows the stream channel for the 1.5-mile reach passing through the Property, averaging approximately 0.15 miles wide. Thus, the floodplain within the Property is estimated to encompass 0.2 square miles.

The Property has active, registered surface water rights in the Salt River watershed sourced from the 6L Ranch spring, and another sourced from Cave Creek (WestLand 2004c).

4.3.5. Hydrogeology

The Property is located in the Carefree sub-basin within the larger Phoenix Active Management Area (AMA) groundwater basin. This basin covers approximately 140 square miles within Maricopa County, bounded on the west by the Bradshaw Mountains and on the east by the New River Mountains. Groundwater flow direction for this sub-basin is generally to the west-southwest (ADWR 2010). Recharge to the aquifer occurs primarily along mountain fronts and from streambed recharge. The major aquifers consist of recent stream alluvium and basin fill. Some groundwater is found in the sedimentary rock in the area (ADWR 2010).

The Arizona Department of Water Resources (ADWR) Well Registry spatial database was queried to review any data for wells within the boundaries of the Property. There were no registered wells identified within the Property (ADWR 2020).⁶ The searched area was expanded to 1 mile from the Property and seven registered wells were identified (**Figure 2**). Available records for these wells indicate that water levels, likely taken at the time of well installation [circa 1990-2000], vary between 28 and 195 feet below ground surface (bgs) (ADWR 2010). Two of these wells were used for mineral exploration and six are exempt wells (i.e., wells with a pump capacity of less than 35 gallons per minute and that are used only for non-irrigation purposes). Five of the wells are associated with AMCA Industries, sometimes listed under the family name Kokaska, and are mapped near the abandoned mining operation 0.6 miles south of the Property. One of the well records indicates that the water was being used as a source for leaching water for mineral extraction. The wells

⁵ Accessed online March 3, 2025.

⁶ Accessed online August 5, 2020.

associated with AMCA Industries were drilled in the early to mid-1980s. There are no records of groundwater monitoring wells on or near the Property.

An unregistered hand-dug well was observed on the Property. This well was located near the north boundary of the Property with other historical ranching features including a concrete watering trough, pipes, a steel cistern, a collapsed dry laid masonry outbuilding with a tin roof, a wooden cattle chute and corral area, most of which have decomposed from disuse over time and are no longer present. WestLand theorizes that the cistern once housed a pump, which drew water from the well and diverted it toward the water trough. The well was lined with stone and was covered with a wooden board. The well was approximately 5 feet in diameter and appeared to have been approximately 20 feet deep. No water was observed in the well.

4.4. HISTORICAL USE INFORMATION ON THE PROPERTY AND ADJOINING PROPERTIES

The purpose of reviewing historical sources is to develop a history of the previous uses of a property and surrounding area in order to help identify past uses that may have led to RECs in connection with the property. According to the ASTM standard, obvious uses of a property shall be identified from the present back to the property's first developed use, or back to 1940, whichever is earlier. This requires reviewing only as many standard historical sources as are reasonably ascertainable and likely to be useful.

4.4.1. Historical Topographic Maps

WestLand reviewed U.S. Geological Survey (USGS) topographic maps of the Property and its vicinity dated 1930, 1939, 1964, 1978, 2004, 2014, 2018, and 2021 at various scales (**Appendix F**). Topographic maps depict both natural and developed features, including wells, structures, and other indications of historical use. The summary below presents WestLand's review of the identified mapped features on or near the Property in chronological sequence.

The 1930 30-minute Cave Creek quadrangle (1:96,000 scale) depicts the majority of the Property as undeveloped vacant land. A trail is shown running in a northerly direction through the approximate center of the Property to the northern portion, where the trail turns to the east, exiting the Property before intersecting with a north-south trail outside of the Property boundaries. A structure is shown in the northern portion of the Property.

The 1939 30-minute Cave Creek quadrangle (1:125,000 scale) depicts Cave Creek running through the center of the Property. The trail shown in the 1939 map is depicted as crossing Cave Creek twice near the center of the Property, but is generally located on the eastern side of the creek. The structure at the northern portion of the Property is labeled as Lewis Ranch.

The 1964 7.5-minute New River Mesa quadrangle (1:24,000 scale) identifies the trail as a "jeep trail" along Cave Creek within the Property boundaries. It also depicts Cave Creek and its tributaries in more detail, showing water features flowing to Cave Creek from the west and the east of the Property boundaries. Shrubland along Cave Creek on the Property is shown. A structure is still depicted at the northwest portion of the Property where the road changes from northbound to eastbound. There are several mine prospects identified south of the Property.

The 1978 7.5-minute New River Mesa quadrangle (1:24,000 scale) depicts the same features on the Property and in the surrounding area as the 1964 map.

The 2004 7.5-minute New River Mesa quadrangle (1:24,000 scale) identifies the road through the center of the Property as an unimproved road as it travels in a north-south direction. Where the road exits the Property near the northern extent in an east-west direction, it is shown as a four-wheel drive road or a trail. It is labeled as a trail outside the Property boundaries where it travels in a north-south direction. The shrubland surrounding Cave Creek is depicted on this map. This map again identifies the structure at the northwest portion of the Property, as shown on the 1987 map. This map shows an unnamed mine 0.6 miles south of the Property, near the previously identified prospects.

The 2014 7.5-minute New River Mesa quadrangle (1:24,000 scale) depicts the unimproved north-south road in the center of the Property but does not depict the road traveling east-west at the northern extent of the Property and to the east of the Property. The creek and shrubland are depicted as with the previous maps. This map does not depict the structure on the northwest portion of the Property.

The 2018 and 2021 7.5-minute New River Mesa quadrangles (1:24,000 scale) show the same road as the 2014 map. No additional roads or structures are depicted on the Property.

4.4.2. Historical Aerial Photographs

WestLand obtained historical aerial photographs depicting the Property and vicinity dating from 1953, 1962, 1970, 1981, 1992, 2003, 2007, 2010, 2015, and 2019 (**Appendix G**). WestLand reviewed the photographs for evidence of anthropogenic disturbance and to identify any historical land uses that might have involved the use, treatment, storage, disposal, or generation of hazardous substances, or petroleum products. WestLand also used Google Earth and enlarged selected areas to observe features at and in the near vicinity of the Property.

Historical aerial photographs show that development at the Property is limited, and the Property is open space. None of the historical aerial photographs definitively show developed features at the Property other than the fence lines, roads and trails as previously described on the topographic maps. Roads and trails can be seen on land surrounding the Property in all of the historical aerial photographs. The locations of these trails and roads correspond to those depicted in the quadrangle maps. The structure shown in the topographic maps is visible in the 1953 and 1962 photographs but cannot be seen clearly in the later

photographs. A cleared area for the cattle pasture is visible in the photographs. A small, disturbed area at the northern extent of the homestead area is visible in some photographs, but the purpose is not ascertainable. Additionally, whitish deposits are visible along some sections of the stream channel in photographs taken when the stream is not flowing; the deposits appear to be either accreted gypsum from nearby geologic formations or dried algae.

4.4.3. Property Tax Files

WestLand obtained the property tax maps for the Property and adjoining areas from the Maricopa County Assessor. The Property map and assessor parcel details are included in **Appendix H**. The files from Maricopa County indicate that the Property is vacant land with no assessed buildings or other improvements.

A Property Tax Map Report (**Appendix I**) and a Building Permit Report (**Appendix J**) were also obtained from EDR, which yielded no records for the Property.

4.4.4. Local Street Directories

WestLand requested an EDR City Directory Report (**Appendix K**), which includes a search of available city directory data at 5-year intervals for the Property. No relevant records were identified.

4.4.5. Sanborn Fire Insurance Maps

Sanborn Fire Insurance Maps typically cover development in the first half of the 20th century. The Sanborn Library indicated that this is an unmapped property and fire insurance maps covering the Property were not found (**Appendix L**).

4.4.6. U.S. Geological Survey – Mineral Resource Data System

The historical aerial and topographical map review described in **Sections 4.4.1 and 4.4.2** identified several mine prospects and a mine 0.6 miles south of the Property. For the 2020 iteration of the Phase I ESA, WestLand reviewed the USGS Mineral Resource Data System (MRDS) online database (USGS 2020)⁷ to review the nature of this mine. The MRDS record identifies this mine as Silver Cross Mine and the record also refers to the Cave Creek and Heck Claims (Records 10046344 and 10283712, MRDS ID# M241360). Claims associated with this mine were staked in Sections 27, 28, 29, 32, and 33 of Township 7 North, Range 4 East. This MRDS record is for a "past producer" that mined gold, copper, and silver. The first reported year of production was in 1957 and the last year was 1959. AMCA Resources Ltd is noted to have conducted exploration drilling and constructed a leach facility at this site between 1984 and 1986, consistent with the ADWR Well records described in **Section 4.3.5**. This mine and the associated prospects are located

⁷ Accessed online August 5, 2020.

downgradient of the Property and the workings appear to have been limited. Mine workings in the area are downstream and distant from the Property and are therefore not considered a REC for the Property.

5. SITE RECONNAISSANCE

On March 7, 2025, WestLand environmental specialists, Joel Diamond and Christopher Rife, performed a site reconnaissance to visually assess existing environmental conditions for the Property. Photographs documenting pertinent features are provided in **Appendix A**. The USFS *Site Visit Survey-Visual On-Site Inspection of the Property and of Adjoining Properties* Worksheet is provided as **Appendix M**.

5.1. METHODOLOGY AND LIMITING CONDITIONS

Prior to conducting the site reconnaissance, WestLand reviewed current and historical aerial photographs and topographic maps (described in **Section 4**) to identify the location of any areas of potential contamination, including roadways, cleared areas, disturbed soils, and structures. Areas of known concentrated human activity were assessed in greater detail because these areas presented the greatest potential for impacts by hazardous materials and petroleum products.

WestLand evaluated the identified areas of site disturbance through pedestrian surveys, which included the Property, as well as observations of the adjoining properties from publicly accessible areas. Field observations were consistent with the findings of WestLand's prior reports and historical records review of the Property and surrounding properties.

The Property is accessed from the trailhead of the Spur Cross Ranch Recreation Area north of the town of Cave Creek. From the Spur Cross Ranch Recreation Area trailhead, Forest Road (FR) 48 and Trail TR 4 are used to access the southern end of the Property.

Site reconnaissance does not provide information regarding potential sources of contamination below the ground surface. However, in cases of subsurface contamination, aboveground indicators such as obvious stress to plant life or staining are noted. All findings are based on observations, information collected, and conditions during the site visit. A change in those conditions may alter the findings and conclusions of this report.

5.2. INDICATIONS OF PAST USES OF THE PROPERTY

The Property is generally undeveloped with evidence of former ranching use. Several ranching features were observed (**Appendix A, Photos 5 and 6**) near the north boundary of the Property, which was likely part of the John Lewis Homestead/Lewis Ranch. Developed features still present include fencing and a corral area, concrete watering trough, pipes, a steel cistern, a well, a collapsed dry-laid masonry outbuilding with a tin roof, and a wooden cattle chute. An upside-down car body was also noted on the Property within a shallow gully.

It is likely there was not a residence at the Property though temporary dwellings may have been constructed. The Homestead Act of 1862 allowed settlers to establish homesteads on public lands. In order to successfully apply for a land patent, homesteaders had to "prove up," or meet the requirements set out by the Homestead Act. Habitation on a homestead did not necessarily require a permanent structure to be built; many homesteaders dwelt in crude or semi-permanent structures, such as "the tent-house, that semi-portable, canvas-sided abode so popular in Arizona in the late nineteenth and early twentieth centuries" (Stein 1990). Foundations or other indications of permanent residential structures were not observed at the Property.

There is no evidence of current human occupation or intense recreational use of the site, though dispersed hunting and camping have likely occurred (several campfire rings were observed on the Property, and shell casings were observed on adjacent property).

5.3. EXTERIOR OBSERVATIONS

5.3.1. Hazardous Substances and Petroleum Product Containers in Connection with Identified Uses

No hazardous substances and petroleum product containers in connection with identified uses were observed at the Property or on adjoining properties.

5.3.2. Hazardous Substance and Petroleum Product Containers not in Connection with Identified Uses

No hazardous substances and petroleum product containers not in connection with identified uses were observed at the Property or on adjoining properties.

5.3.3. Storage Tanks (Aboveground and Underground)

No indications of above- or underground storage tanks potentially used for hazardous substances or petroleum products were observed on the Property or on adjoining properties.

5.3.4. Unidentified Substance Containers

No unidentified substance containers were observed on the Property or on adjoining properties.

5.3.5. Drums

No drums were observed on the Property or on adjoining properties.

5.3.6. Odors

No strong, pungent, or noxious odors were detected on the Property or on adjoining properties.

5.3.7. Pools of Liquid, Pits, Ponds, or Lagoons

No pools of liquid, pits, ponds, or lagoons were observed on the Property or on adjoining properties. A dry wash, Cave Creek, passes through the center of the Property, flowing seasonally north to south.

5.3.8. Wastewater

No features associated with wastewater storage and disposal were observed.

5.3.9. Septic Systems

There is no indication that septic systems are present on the Property.

5.3.10. Wells

An unregistered hand-dug well was observed on the Property. This well was located near the north boundary of the Property with other historical ranching features. The well was lined with stone. The well was approximately 5 feet in diameter and appeared to have been approximately 20 feet deep. No water was observed in the well (**Appendix A, Photo 6**).

5.3.11. Stained Soil or Pavement

No stained soil or pavement was noted.

5.3.12. Stressed Vegetation

Vegetation across the Property appeared to be in good health. There was no indication of stressed vegetation on the Property or adjoining properties likely attributed to hazardous substances or petroleum products.

5.3.13. Solid Waste Disposal

The Resource Conservation Recovery Act (RCRA) was enacted by Congress in 1976 and amended in 1984. RCRA's primary goal is to protect human health and the environment from the potential hazards of waste disposal. Unauthorized solid waste disposal provides the potential for hazardous and regulated substances to impact a property in the absence of waste-generating activities.

The Property appears to be generally clean of solid waste with the exception of an overturned car body on the Property.

5.3.14. PCB Equipment

Concern over the toxicity and persistence in the environment of polychlorinated biphenyls (PCBs) led Congress in 1976 to enact §6(e) of the Toxic Substances Control Act (TSCA), which included prohibitions on the manufacture, processing, and distribution in commerce of PCBs. Historically, electrical transformers contained a cooling liquid that had PCBs. If present, electrical transformers or hydraulic equipment could provide the potential for release of PCBs onto the Property. In 1984, manufacturers began producing non-PCB transformers that contain less than 50 parts per million PCBs.

No PCB equipment was observed at the Property.

5.4. INTERIOR OBSERVATIONS

Not applicable; there are no structures on the Property.

6. INTERVIEWS

6.1. INTERVIEW WITH OWNER

On March 18, 2025, Casey McKeon (Resolution) completed the User questionnaire and the Owner questionnaire for the Property. She indicated that until 2001, the Property was used for cattle grazing, and except for homesteading, was largely devoid of development such as buildings or major earthwork. Currently, the Property is vacant. Based on Ms. McKeon's knowledge of, and experience related to, the Property, no obvious indicators point to the presence or likely presence of contamination on the Property of which Resolution is aware. She is not aware of any indication of above- or underground storage tanks, PCB equipment, wastewater treatment facilities, septic systems, contaminated dirt fill, or drains. She also is not aware of any indications of petroleum or chemical storage or releases at the Property. She is not aware of any information potentially pointing to a REC for the Property. Responses to specific inquiries are included in **Appendix B**.

6.2. INTERVIEW WITH SITE MANAGER

See Interview with Owner (Section 6.1).

6.3. INTERVIEWS WITH OCCUPANTS

Not applicable; the Property is not occupied.

6.4. INTERVIEW WITH LOCAL GOVERNMENT OFFICIALS

WestLand previously contacted several fire departments in an effort to determine the appropriate responding agency. The Mayer Fire Department, El Mirage Fire Department, and the Black Canyon Fire Department all reported that they have no knowledge of any such spills or storage at the Property or on land in the immediate vicinity but would not likely be the responding agency for an incident. For a prior Phase I ESA, on April 24, 2023, WestLand submitted a records request to the Arizona Department of Forestry and Fire Management, which provides resources for the prevention and suppression of wildland fire on State Trust Land and private property located outside incorporated communities. The Office of the State Fire Marshal has no documents in regard to this public records request (Public Records Request Confirmation Number: PRR-423000625; **Appendix N**).

WestLand previously interviewed Kevin Smith, the Supervisor for the Maricopa County Parks and Recreation Department – Spur Cross Ranch Conservation Area on August 13, 2020, and re-interviewed him on April 24, 2023, via telephone. He reported that the Property was previously used as a cattle ranch in approximately the 1930s and 1940s and not much remains to this day except for the body of an old automobile and a corral site. He also reported that there was an offsite mine downstream of the Property that included leach pads. This was "approximately 1 mile away" and within Tonto National Forest boundaries. The County has a collection of photos from the 1980s that show people using the Property for recreation when there was an accessible road to the Property. He is not aware of any environmental cleanups that have taken place at or near the Property or any spills or chemicals/petroleum product releases or mining activities that have taken place at or near the Property.

6.5. INTERVIEWS WITH OTHERS

The prior Phase I ESA included interviews with the past Property owner's representative, Ed Childers (WestLand 2004b). In 2004, Ed Childers reported the original landowner was Mr. Lewis and the land was sold to the Cartwright organization, another rancher in the area, in the 1930s or 1940s. The Property was transferred from the Cartwright organization to Johnson Cattle Company in the 1980s. The Johnson Cattle Company sold the Property to the current owners in the 2000s. This chain of title record does not indicate use of the Property that is indicative of a REC.

On April 14, 2025, Micah Grondin, (USFS) completed the User questionnaire for the Property. Mr. Grondin indicated that he has no knowledge of the Property's use, other than possible grazing, and he is not aware of any information potentially indicating a REC for the Property. Responses to specific inquiries are included in **Appendix B**.

No other individuals were interviewed as part of this assessment.

7. FINDINGS AND OPINIONS

Based on the findings of the environmental records search, historical review, physical setting of the Property, site reconnaissance of the Property, prior reports, and interviews, WestLand provides the following findings and opinions pertaining to the Property:

- WestLand engaged EDR to conduct a search of available land title records for environmental liens or AULs on the Property. A search was completed on February 24, 2025, for Maricopa County APN 219-09-001 and no records of environmental liens or AULs associated with the Property were identified. There were no title records reviewed that indicated a REC in connection with the Property.
- WestLand contracted with EDR to conduct an electronic search of regulatory agency databases for references to the Property and surrounding lands. The database search was completed on February 20, 2025, by conducting a search from the boundaries of the Property to the minimum

search distance recommended by the ASTM standard. No records were found within the Property or surrounding area.

- In a prior Phase I ESA (WestLand 2016), the MRDS database reported an old mine site approximately 0.6-miles (also outside of the ASTM-recommended search radius for this database) south of the Property—the Silver Cross Mine, which operated from 1957 to 1959, mining gold, copper, and silver. AMCA Resources Ltd is noted to have completed exploration drilling and constructed a leach facility at this site between 1984 and 1986. This mine and related prospects are located downstream of the Property, and the timeframe and scale of production was limited; therefore, mine workings associated with this record are not considered a REC for the Property.
- WestLand reviewed historical topographic maps of the Property from 1930 to 2021. The topographic maps of the Property and vicinity indicate that the Property has had limited development and use since at least 1930. Historical use of the Property appears to have been limited to primitive (dirt) roads, and a structure is still depicted at the northwest portion of the Property where the road changes direction from northbound to eastbound. There are several mine prospects identified south of the Property. No RECs were identified in connection with the historic use of the Property.
- WestLand reviewed historical aerial photographs of the Property from 1953 to 2019. The historical
 aerial photographs of the Property and vicinity also indicate that the Property has had limited
 development and use. The historical aerial photographs indicate that land use at the Property and
 in the surrounding area was for homesteading and had a cattle pasture; this is consistent with site
 reconnaissance and other historical information gathered by WestLand. No RECs were identified
 in connection with the historic use of the Property.
- On March 7, 2025, WestLand environmental specialists, Chrisopher Rife and Joel Diamond, performed a site reconnaissance to visually assess existing environmental conditions for the Property. Field observations were consistent with the findings of WestLand's prior reports, interviews, and historical records review of the Property and surrounding properties. The Property is generally undeveloped open space with evidence of former ranching use. Several ranching features were observed near the north boundary of the Property, which was likely part of the John Lewis Homestead/Lewis Ranch. Developed features currently present include remnants of fencing and a corral area. An upside-down car body was also noted on the Property as well as a concrete watering trough, pipes, a steel cistern, a shallow hand-dug well, a collapsed dry-laid masonry outbuilding with a tin roof, and a wooden cattle chute. Given that no building foundations were observed, it is likely there was not a residence at the Property though temporary dwellings may have been constructed. The Property was, however, extensively used and occupied by prehistoric cultures, as petroglyphs, stone structures, and grinding areas are present at several locations along Cave Creek and on ridge tops overlooking the stream. There is no evidence of current human occupation or considerable recreational use of the site, although dispersed hunting and camping

have likely occurred; several campfire rings were observed. This assessment has revealed no evidence of RECs in connection with the Property.

- Individuals and representatives at various agencies were interviewed (or contacted for interview) as part of this and prior assessments:
 - The report User and Property owner: Casey McKeon, representative for Resolution
 - The report user: Micah Grondin, representative for the USFS
 - The Arizona Department of Forestry and Fire Management; no records for the Property were found
 - Kevin Smith, Interpretive Ranger for the Maricopa County Parks and Recreation Department, Spur Cross Ranch Conservation Area
 - Ed Childers, consultant to Johnson Cattle Company and the site representative in 2004, past interview in 2004 (WestLand 2004b)

No information provided through the interviews indicate the potential for a REC in connection with the Property.

8. CONCLUSION

WestLand has performed a Phase I ESA in conformance with the scope and limitations of ASTM E 2247-23 for the Property (**Figure 1**). Any exceptions to, or deletions from, this practice are described in **Section 9** of this report.

WestLand's assessment has revealed no evidence of a potential REC in connection with the Property. WestLand also did not identify any historical or controlled RECs, or *de minimis* conditions for the Property.

9. DEVIATIONS

There are no deviations from the standard ASTM scope to report as part of this assessment.

10. ADDITIONAL SERVICES

No additional services beyond the standard ASTM scope were considered as part of this assessment.

11. QUALIFICATIONS AND SIGNATURE OF ENVIRONMENTAL PROFESSIONALS

Mark F. Taylor, P.E., affirms that, to the best of his professional knowledge and belief, he meets the definition of "environmental professional" as defined in §312.10 of 40 CFR 312. Mr. Taylor possesses the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject Property. He has developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Mr. Taylor is the leading environmental professional assigned to perform project oversight for this Phase I ESA. Joel Diamond and Christopher Rife conducted the site reconnaissance, and Samantha Blonder conducted the regulatory inquiries and historical research under the direction of Mr. Taylor. Diana Sandoval conducted the interviews. Christopher Rife reviewed the findings in this report. Their work was conducted under the supervision of the above-named environmental professional. Mr. Taylor reviewed, interpreted, and declared the information included in this report as complete. Resumes for the key individuals participating in the preparation of this report are provided in **Appendix O**.

E. I. Jan

Mark F. Taylor, P.E.

5/15/2025 Date

12. REFERENCES

- Arizona Department of Environmental Quality. 2015. 2012/14 Status of Water Quality Arizona's Integrated 305(b) Assessment and 303(d) Listing Report. August 2015.
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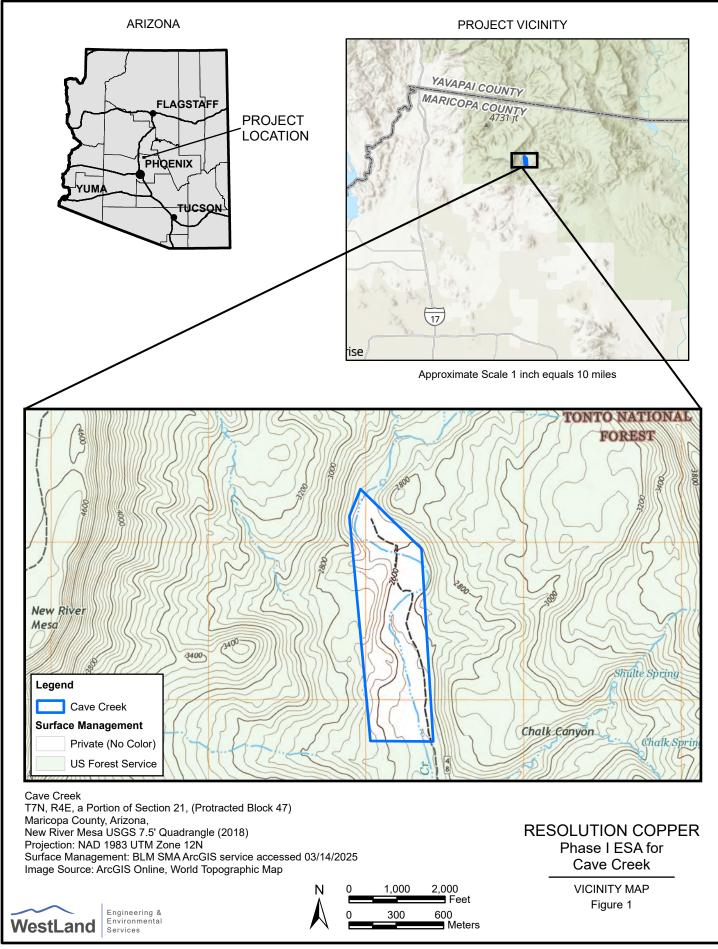
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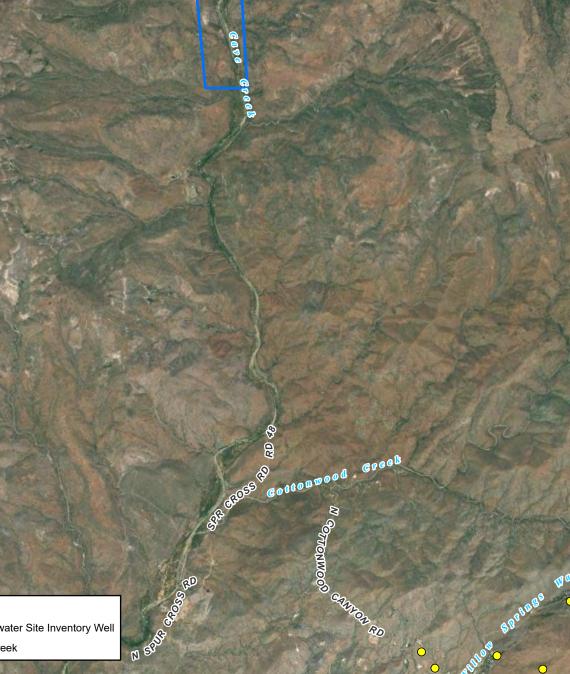
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FIGURES







Legend

Groundwater Site Inventory Well 0

Cave Creek

Cave Creek T7N, R4E, a Portion of Section 21, (Protracted Block 47) Maricopa County, Arizona, Projection: NAD 1983 UTM Zone 12N Data Source: ADWR Groundwater Site Inventory ArcGIS Service accessed on 03/14/2025 Image Source: Maxar 06/06/2021

N SPIRA



N	0	1,500	3,000 Feet
\wedge	0	500	1,000 Meters

RESOLUTION COPPER Phase I ESA for Cave Creek

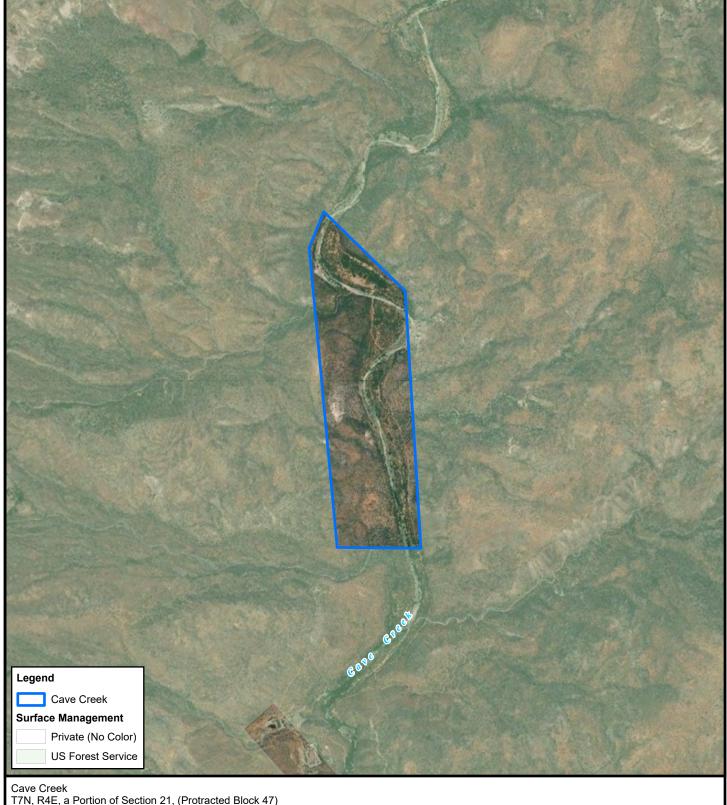
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Wash

AERIAL OVERVIEW WITH ADWR REGISTERED WELLS Figure 2

Path: G:\13000s\13095\ENV\Phase2 ESA\ArcGISpro\RCM Phase1 ESA 13095 ReportFig.aprx: 03 CaveCrk SurfMar

Date: 3/14/2025 User: CoreyArche



Cave Creek T7N, R4E, a Portion of Section 21, (Protracted Block 47) Maricopa County, Arizona, Projection: NAD 1983 UTM Zone 12N Surface Management: BLM SMA ArcGIS service accessed 03/14/2025 Image Source: Maxar 06/06/2021

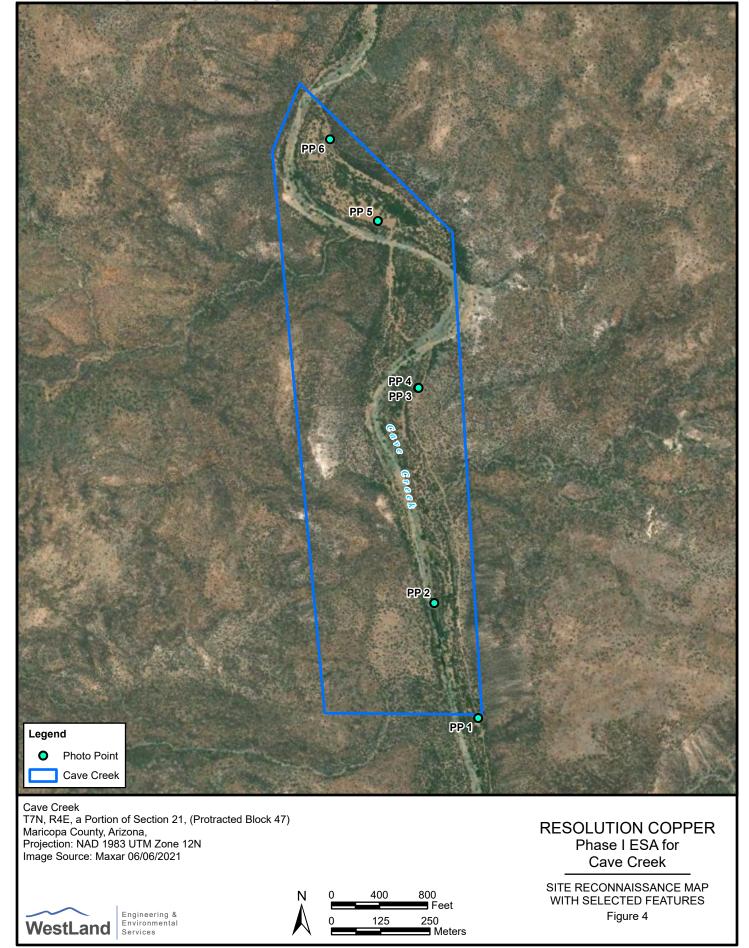


N	0	750	1,500 Feet
\wedge	0	250	500 Meters

RESOLUTION COPPER Phase I ESA for Cave Creek

SURFACE MANAGEMENT Figure 3 Path: G:\13000s\13095\ENV\Phase2_ESA\ArcGISpro\Cave_Creek_13095\Cave_Creek_13095.aprx: 04 CaveCrk SiteRed

Date: 4/7/2025



APPENDIX A Site Photographs



Photo 1.

Gated entrance to the southern boundary of the Property. The old road is now overgrown and inaccessible by vehicle.



Photo 2.

Site Overview.



Cave Creek Phase I ESA Site Photographs Appendix A Photopage 1



Photo 3.

Old overturned rusted out car in the middle of the parcel on the path to the northern edge.



Photo 4.

Site Overview.

WestLand Engineering & Environmental Services

Cave Creek Phase I ESA Site Photographs Appendix A Photopage 2



Photo 5.

Fencing around corral, on the northern part of the Property. Photo from the November 2023 site visit.



Photo 6.

Abandoned well. Photo from the November 2023 site visit.



Cave Creek Phase I ESA Site Photographs Appendix A Photopage 3 APPENDIX B User and Owner Questionnaires

PHASE I ENVIRONMENTAL SITE ASSESSMENT (ASTM E 1527-21 & 2247-16)

USER QUESTIONNAIRE

To qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*"), the *user* must conduct the following inquiries required by 40 CFR §§ 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The *user* should provide the following information to the *environmental professional*. Failure to conduct these inquiries could result in a determination that "*all appropriate inquiries*" is not complete.

Name, Title, and Organization of person interviewed (report *user*): <u>Casey McKeon, Resolution Copper Mining LLC</u>

Interview Medium (phone, email, in-person): _____Email___

Date of interview: _3/18/2025___

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

Did a search of land title records/judicial records identify any environmental cleanup liens against the *property* under federal, tribal, state or local law?

No.

(2). Activity and use limitations that are in place on the *property* or that have been filed or recorded against the *subject property* (40 CFR 312.26).

Did a search of land title records/judicial records identify any 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? <u>No.</u>

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

Do you have any specialized knowledge or experience related to the *property* or nearby properties? 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?

(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/lease being paid for this *property* reasonably reflect the fair market value of the *property*? 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*?

No indication from price paid that there were any environmental issues.

(5). Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).

_No.

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? For example, as user:

- (a.) Do you know the past uses of the *property*? _____Until 2001 cattle grazing; Property devoid of buildings or major earthwork.
- (b.) Do you know of specific chemicals that are present or once were present at the *property*? <u>No.</u>
- (c.) Do you know of spills or other chemical releases that have taken place at the *property*? <u>No.</u>
- (d.) Do you know of any environmental cleanups that have taken place at the *property*? <u>No.</u>

(6). The degree of obviousness of the presence of 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*? <u>None.</u>

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

- (a) The reason why the Phase I is being conducted. Land Exchange with Federal Government.
- (b) The type of *property* and type of *property* transaction, for example, sale, purchase, exchange, etc. Land Exchange.
- (c) The complete and correct address for the *property* (a map or other documentation showing *property* location and boundaries is helpful).
 <u>Not required see map below.</u>
- (d) 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 on whether any considerations beyond the requirements of Practice E 1527/2247 are to be considered). Standard.
- (e) Identification of all parties who will rely on the Phase I report. <u>Resolution Copper, US Forest Service.</u>
- (f) Identification of the site contact and how the contact can be reached. Are there previous site contacts that should be interviewed? <u>Site contact Sterling Hundley, Controller, Resolution Copper Company.</u>
- (g) Any special terms and conditions which must be agreed upon by the environmental professional. <u>No.</u>

(h) 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).

Phase I ESA 2020 and 2023 by Westland Resources.

OWNER/ OPERATOR/OCCUPANT QUESTIONNAIRE

Please respond to the questions provided below and expand your responses as appropriate:

(1). Please describe the current uses of the *property*, if known. <u>Vacant land.</u>

(2). Name any past owners or occupants of the *property*, if known. Current: Resolution Copper Mining LLC: Past: Johnson Cattle Co.

(3). Please describe the past and/or current uses of adjoining properties, if known. Public lands for recreation and grazing.

(4). Please describe the general past and/or current uses of the surrounding area, if known. (i.e. residential, commercial, agricultural, industrial etc.) Cattle grazing.

(5). Are you aware of any chemicals/petroleum products in individual containers greater than 5-gallons that are present or once were present at the *property* (including used automotive/industrial batteries, pesticides, paints, solvents acids, bases, antifreeze, gasoline, diesel, fuel oil, kerosene, lubricating oil, benzene, etc)? This includes industrial drums (typically 55-gallons).

Yes____ No___ Unknown_X___

(6). Do you know of spills or other chemical releases that have taken place at the property?

Yes____ No____ Unknown_X___

(7). Do you know of any environmental cleanups that have taken place at the *property*?

Yes____ No___ Unknown_X___

(8). Are you aware of any environmental cleanup liens against the property?

Yes____ No_X___ Unknown____

(9). Are you aware of any engineering controls (capping, slurry walls or water treatment), land use restrictions or institutional controls (deed restriction, restrictive covenants, easements or zoning) intended to reduce exposure of a hazardous substance or petroleum product at the *property*?

Yes____ No_X___ Unknown____

(10). Are there any above ground storage tanks, underground storage tanks, vent pipes or access ways indicating storage tanks at the *property*?

Yes____ No__X_ Unknown____

(11). Are there any PCBs (transformers, hydraulic equipment) at the property?

Yes____ No____ Unknown_X____

(12). Have you observed stained soil/pavement, corrosion, or stressed vegetation that may indicate a petroleum or chemical spill at the *property*?

Yes____ No____ Unknown_X___

(13). Have you observed pits, ponds, or lagoons associated with wastewater treatment/disposal at the *property*?

Yes____ No____ Unknown_X___

(14). Are you aware of any wastewater/stormwater facilities at the *property* (drains, sumps, ditches, washes)?

Yes____ No____ Unknown_X___

(15). Are you aware of any wells located at the *property* (dry, irrigation, injection, or abandoned)?

Yes_____ No_____ Unknown___X___

(16). Are you aware of any septic systems at the property?

Yes____ No____ Unknown___X___

(17). Has the *property* been used for landfill, dump, battery storage, junkyard, or other disposal purposes?

Yes____ No_X___ Unknown____

(18). Has dirt fill been brought to the *property* that originated from a site of unknown origin or from a contaminated site?

Yes____ No____ Unknown_X___

(19). Are there or has there ever been any flooring, drains, or walls located within the facility that are stained by substances other than water or emitting odors?

Yes____ No____ Unknown_X___

Map page

PHASE I ENVIRONMENTAL SITE ASSESSMENT (ASTM E 1527-21 & 2247-16)

USER QUESTIONNAIRE

To qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*"), the *user* must conduct the following inquiries required by 40 CFR §§ 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The *user* should provide the following information to the *environmental professional*. Failure to conduct these inquiries could result in a determination that "*all appropriate inquiries*" is not complete.

Name, Title, and Organization of person interviewed (report *user*): <u>Micah Grondin, District Ranger, Tonto National Forest, Cave Creek Ranger District.</u> p: 480-595-3301, c: 480-285-7855, micah.grondin@usda.gov

Interview Medium (phone, email, in-person): email

Date of interview: 4/14/25

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

Did a search of land title records/judicial records identify any environmental cleanup liens against the *property* under federal, tribal, state or local law?

Would refer to USFS Land team but not aware of any lien or title searches completed.

(2). Activity and use limitations that are in place on the *property* or that have been filed or recorded against the *subject property* (40 CFR 312.26).

Did a search of land title records/judicial records identify any 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?

Would refer to USFS Land team but not aware of any lien or title searches completed.

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

Do you have any specialized knowledge or experience related to the *property* or nearby properties? 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?

Responsible for managing the surrounding national forest lands. In some point its possible that these properties have been used for ranching and livestock operations. Possibly used for mining claims in the distant past based on configuration and location.

(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/lease being paid for this *property* reasonably reflect the fair market value of the *property*? 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*?

(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? For example, as user:

Nothing that stood out as fuel storage or use. No old drums or other indications. Livestock operations – not aware of any dip tank construction or use.

- (a.) Do you know the past uses of the *property*? Ranching or livestock use.
- (b.) Do you know of specific chemicals that are present or once were present at the *property*? None known definitively.
- (c.) Do you know of spills or other chemical releases that have taken place at the *property*? <u>None known.</u>
- (d.) Do you know of any environmental cleanups that have taken place at the *property*? <u>None known.</u>

(6). The degree of obviousness of the presence of 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*? None.

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

- (a) The reason why the Phase I is being conducted. In support of the Resolution Copper Land Exchange with the USFS.
- (b) The type of *property* and type of *property* transaction, for example, sale, purchase, exchange, etc. Land exchange.
- (c) The complete and correct address for the *property* (a map or other documentation showing *property* location and boundaries is helpful).
- (d) <u>Refer to maps (location maps and KMZs provided).</u>
- (e) 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 on whether any considerations beyond the requirements of Practice E 1527/2247 are to be considered). None.
- (f) Identification of all parties who will rely on the Phase I report. <u>USFS, Resolution.</u>
- (g) Identification of the site contact and how the contact can be reached. Are there previous site contacts that should be interviewed? <u>No additional contacts.</u>

- (h) Any special terms and conditions which must be agreed upon by the environmental professional. $\underline{N/A}$.
- (i) 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). No

All Appropriate Inquiry - Land Acquisition Screening

Worksheet 2: INTERVIEWS WITH PAST and PRESENT OWNERS, OPERATORS, and OCCUPANTS

This worksheet should help agencies complete of the "Interview" portion of the All Appropriate Inquiry land acquisition screening. While the worksheet should be a useful guide, it is not all inclusive and does not meet all the requirements for CERCLA defenses. For example, the worksheets do not include the four documentation requirements that must be included in the report. Additionally, in order to meet the statutory requirements for any of the defenses to liability following acquisition, a landowner must meet certain threshold requirements and satisfy continuing obligations not addressed in this guidance. The worksheets are not exhaustive and should be tailored based on professional judgment and site conditions.

The AAI rule requires interviews with the current owner and occupant of the subject property. If the property has multiple occupants, the inquiry of the environmental professional should include interviewing major occupants, as well as those occupants likely to use, store, treat, handle or dispose of hazardous substances, pollutants, contaminants, petroleum and petroleum products, and controlled substances, or those who have likely done so in the past. Additionally, if the current owner is a third party holding company who obtained title to the property with the sole intent of selling it to the Federal government, it is suggested that the previous owner also be interviewed. In either case, at least one of the following individuals should also be interviewed.

- Representative of the local fire department that serves the property;
- Representative of the State and/or local health agency or local/regional office of state health agency serving the area in which the property is located;
- Representative of the State and/or local agency or local/regional office of state agency having jurisdiction over hazardous waste disposal or other environmental matters in the area in which the property is located; or
- Representatives of Local agencies responsible for the issuance of building permits or groundwater use permits that document the presence of AULs that may identify issues of concern in the area in which the property is located.
- Current and past facility managers with relevant knowledge of uses and physical characteristics of the property;
- Past owners, occupants, or operators of the property; or
- Employees of current and past occupants of the property.

In the case of inquiries done at "abandoned properties," where there is evidence of potential unauthorized uses of the subject property or evidence of uncontrolled access to the subject property, the inquiry must include interviewing one or more (as necessary) owners or occupants of neighboring or nearby properties from which it appears possible to have observed uses of, or releases at, such abandoned properties.

(Separate questionnaires must be completed for each interview)

Name of person(s) interviewed: Micah Grondin, District Ranger, Tonto National Forest, Cave Creek Ranger District. p: 480-595-3301, c: 480-285-7855, micah.grondin@usda.gov

Date: 4/14/2025

Interview Medium: phone

Affiliation with the Property:

Forest Service is an adjoining land owner.

(E.g., Owner, operator, caretaker, previous owner, or neighbor)

Time frame affiliated with Property:

The TNF was established in 1905. Surrounding lands have been part of the public domain; no knowledge of subject property ownership.

"To the Best of Your Knowledge ... "

A. Property Use(s)

1. Do you have or know of the existence of any of the following records related to the property? If yes, please provide copies or make them available.

٠	Radon, Asbestos, or Lead-Based Paint Surveys	⊠No □Copy/s Attached □No copy avail
	>>> Only Environmental Compliance Audit Reports	
٠	Environmental Permits Related to Current or Previous Site Activities	⊠No □Copy/s Attached □No copy avail.
	(e.g., waste disposal permits, wastewater permits, NPDES permits)	
٠	Registrations for underground and above-ground storage tanks.	⊠No □Copy/s Attached □No copy avail.
٠	Hazardous Materials Management Plans (Emergency Planning and Communi	ty 🖾 No
٠	Right-To-Know Act (EPCRA))	⊠No □Copy/s Attached □No copy avail.
٠	Facility safety plans	⊠No □Copy/s Attached □No copy avail.
٠	Preparedness and prevention plans	⊠No □Copy/s Attached □No copy avail.
٠	Spill Prevention, Control, and Countermeasure (SPCC) plans	⊠No □Copy/s Attached □No copy avail.
٠	Hydrogeologic and geotechnical reports on the property or surrounding area.	□No □Copy/s Attached ⊠No copy avail.
٠	Notices or other correspondence from any government agency relating to past	or
	current violations of environmental laws with respect to the property.	\square No \square Copy/s Attached \square No copy avail.
٠	Notices or other correspondence from any government agency relating to	
	environmental liens encumbering the property.	\square No \square Copy/s Attached \square No copy avail.
٠	Hazardous waste generator notices or reports.	No Copy/s Attached No copy avail.
٠	Risk assessments	⊠No □Copy/s Attached □No copy avail.

...

• Recorded deed or environmental land use restrictions

No	Copy/s Attached No copy avail.
No	Copy/s Attached No copy avail.

- Other environmental studies or investigations
- 2. Has the property ever been used for an industrial or commercial use (e.g., official and unofficial shooting ranges; processing, handling, management, disposal, storage, manufacture, or transportation of hazardous substances or petroleum products, such as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photographic developing laboratory, methamphetamine laboratory, junkyard, bone yard, or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility). If yes, describe the activities and provide the time frame, types, location(s) and quantities of hazardous substance use and storage. ⊠Yes □No □Unknown

Possibly for ranching activities only
Has there ever been permitted or planned mining activity or oil and gas exploration or development on the property? If ves.

3. Has there ever been permitted or planned mining activity or oil and gas exploration or development on the property? *If yes, describe the activities and provide the time frame, location(s), and scope of operations.* Yes No Wunknown

4. Has the property ever been used for agricultural purposes, such as livestock or crops? *If yes, describe the operations and indicate the location(s) and time frames involved.*

Likely livestock at some point.		

If yes, did the operation involve the use or storage of chemicals such as pesticides, fertilizers, and or solvents? If yes, describe and provide location(s) and the type, quantity, duration of use, and management practices. \Box Yes \Box No \boxtimes Unknown

5. Are there, or has there been, any improvements, such as buildings, water towers, smokestacks, smelters, and old building foundations on the property? *If yes, describe each improvement, including construction date for each improvement; location on the property; square footage; past and current uses; dates of major renovations, additions, modifications; number of stories; type of construction; heating and cooling sources; water sources; sewage, solid and hazardous waste disposal; and removal date (if applicable).*

Yes No Unknown

Old corral, shed, foundation and water development.

6. Other Questions as necessary based on the records review:

B.

1. Do the current operations on the property involve the use and storage of chemicals? If yes, please describe the operations and indicate the location(s), type, and quantities of materials used. Describe locations of chemical storage, mixing, and loading. Discuss any use, storage, mixing, or disposal of automotive or other batteries, pesticides (e.g., insecticides, herbicides, and fungicides), paints, solvents, or other chemicals on fence lines, rights-of-way, or other structures such as airstrips, heliports, or crop duster operations.
 Yes No Xunknown

If yes, has there been a spill or release of hazardous substances, petroleum products, or other potential environmental problems on the property associated with **current** operations? If yes, describe the nature and location(s) of the release and the quantities and types of hazardous substances. This includes staining or soils and floors in areas utilized for the use and storage of hazardous materials.

Yes No Unknown

If there had been a spill or release of hazardous substances or petroleum products, did someone report the incident to the National Response Center or a local or State emergency response authority? If yes, identify the agency. Yes No N/A Unknown

If a spill or release of hazardous substances or petroleum products has occurred, has the release been mitigated? If yes, describe the mitigation, identify the lead regulatory agency that oversaw the mitigation and indicate if the lead regulatory agency issued a no-further action (NFA) determination. Yes No NA Unknown

If remediation is completed, does the property have contamination or residual contamination? If yes, are there any institutional controls/land use restrictions in place or long-term monitoring and maintenance requirements? Yes No N/A Unknown

2. Are there any **past operations** at the property that involved the use or storage of hazardous materials and substances? *If yes, describe the operations and the location(s), types, and quantities of materials.* Yes No Wunknown

If yes, has there been a spill or release of hazardous substances, petroleum products, or other potential environmental problems on the property associated with **past** operations or tenants? If yes, describe the nature and location(s) of the release and the quantities and types of hazardous substances. \Box Yes \Box No \Box N/A \Box Unknown

If a spill or release of hazardous substances or petroleum product			or a local or State
emergency response authority? If yes, identify the agency.	Yes	No N/A Unknown	

If a release of hazardous substances or petroleum products had occurred, was the release been mitigated? If yes, describe the mitigation, identify the regulatory agency that oversaw the mitigation and indicate if the lead regulatory agency issued a no-further action (NFA) determination. \Box Yes \Box No \Box N/A \Box Unknown

If remediation is completed, does the property now have contamination or residual contamination present? If yes, are there any institutional controls or land use restrictions in place or long-term monitoring and maintenance requirements? Yes No N/A Unknown

3. Have there ever been any easements, rights-of-way, pipelines, utility lines, railways, entry or exit ports and associated structures,

	USFS roads
	If yes, are you aware of any spills or releases associated with these features? If yes, please describe the spills and releases and indicate the date, type and quantities of materials involved. Yes No k Unknown
	If a spill or release has occurred, are you aware if the release has been mitigated? If yes, who did the mitigation and what regulatory agency oversaw the mitigation? If known, indicate whether the lead regulatory agency issued a no-further action (NFA) determination. Yes No N/A x Unknown
	If remediation is completed, are you aware if there the property still has contamination or residual contamination? If yes, are there any institutional controls or land use restrictions in place or long-term monitoring and maintenance requirements? Pres No N/A x Unknown
4.	Are you aware if the property's topography has been altered or if the property has any unnatural topographic features present? If yes, please describe the topographic alterations or unnatural features. Indicate their location(s) on the property and, if known, when the alterations occurred and by whom. \square Yes \square No \square Unknown

5. Has fill material ever been brought onto the property that originated from a contaminated site or that was of an unknown origin? If yes, describe the date and quantity of material brought to the property, indicate the location where the material was placed.
□Yes □No ⊠Unknown

If fill material came from a contaminated site, identify the fill's origin and describe the contamination.

6. Is there any evidence that waste materials were dumped above grade, buried, or burned, either currently or previously, on the property? *Examples include hazardous materials, petroleum products, labeled or unlabeled drums or containers, pesticide containers, household and farm debris, automotive or industrial batteries, building demolition debris, or other waste materials.*□Yes ⊠No □Unknown

7. Are there any floor drains in the on-site structures or areas where chemicals (e.g., waste oil, antifreeze, solvents, and pesticides) were used or stored? *If yes, indicate the location(s) of the structures and the types, quantities, and time frames related to the associated chemical use or storage. For each area or structure, also indicate the discharge location for the floor drains.*Yes No Unknown

Not applicable.		

8. Do the walls, floors, or ceilings of the structures used to store hazardous materials have any chemical stains? *If yes, indicate the areas in each structure that has chemical staining.* Yes No Unknown

Not applicable.

9. Are there or have there been any floors, drains, walls, or ceilings stained by substances other than water or that are emitting foul or unnatural odors (e.g., mold, mildew, algae)? *If yes, describe the location(s) and the nature of the past and current site operations.*

_

10. Are there electrical transmission lines, transformers, capacitors, lighting ballast, or hydraulic equipment (e.g., elevators, presses, lifts, or doors) on the property? If yes, identify the location(s) and approximate age of the equipment.
 Yes No Unknown

If the site has electrical transmission lines, transformers, capacitors, lighting ballast, or hydraulic equipment, has testing been done to determine the presence of polychlorinated biphenyls (PCBs) or has any on-site equipment contained PCBs? If yes, indicate the location(s), type of equipment, and dates. Yes No Unknown

If the site has or had PCBs, are you aw	vare of any releas	e of PCBs that have occurred?	If yes, describe the release	and indicate the date, location(s) and
whether the release was mitigated.	\Box Yes \Box No	$\square N/A \square Unknown$		

11. Has there ever been any mercury-containing equipment (e.g., switches, thermostats, thermometers, manometers, or sink traps) on the property? *If yes, indicate the location(s) and type of equipment and dates.* Yes No Wunknown

12. Are you aware of any radon, asbestos-containing materials, or lead-based paint on the property? If yes, indicate the type, locations and dates. Yes No Unknown

If yes, has anyone done any radon, asbestos-containing materials, or lead-based paint surveys on the property? If yes, indicate whether radon, asbestos-containing materials, or lead-based paint has been identified in any on-site buildings. Identify the dates of the surveys, the structures, the results, and condition of the materials. \Box Yes \Box No \Box Unknown

13. Is there current or past use of above-ground or underground storage tanks, including drums or other fuel containers, on the property? If yes, identify the tanks locations, installation dates, and the types and quantities of materials stored. If the tanks were removed, indicate the removal date and whether the lead regulatory agency issued a closure certification notice.
Yes No Unknown

If above-ground or underground storage tanks are or were used on the property, was there ever a spill or release of hazardous substances associated with the tank system? If yes, indicate the date and nature of the spill or release. Yes No Unknown

If a spill or release has occurred related to an on-site tank system, was it mitigated to the satisfaction of the lead regulatory agency? If no, describe further actions that must be undertaken to address the spill or release. Yes No N/A Unknown

14. Are you aware of any hazardous substance or pollutant or contaminant spill or release, or other potential environmental problems on any adjacent or nearby properties? If yes, please describe (if known) the location(s) of the release, the type and quantities of materials involved, and the approximate dates. If known, also indicate the owner of the property where the release occurred.
Yes No Xunknown

None known.

If there was a release of hazardous substances, petroleum products on any adjacent or nearby properties are you aware if the release was mitigated? Yes No Not Applicable Unknown

15. Are you aware of contamination or residual contamination on **adjacent or nearby properties** that poses a threat or may pose a future threat to the property? *If yes, describe the threat or potential threat.*

Yes No Unknown

16. Are you aware of any institutional controls, land use restrictions, long-term monitoring, or maintenance requirements in place on **adjacent or nearby properties** that affect the property? *If yes, please describe and identify the adjacent or nearby property and the property owner.* Xes No N/A Unknown

General range condition monitoring on national forest lands, nothing related to hazardous material releases.

17. Other Questions as necessary based on the records review:

C. Water and Wastewater

1. Does the property currently or has it ever been supplied by an on-site drinking water supply well? *If yes, provide the well location(s) and construction dates.* Yes No Wunknown

Have contaminants ever been identified in the on-site drinking water well or the water system that exceeded acceptable levels? If yes, describe the contamination and indicate the dates, contaminant levels and the source of the contamination, if known. \Box Yes \Box No \Box N/A \Box Unknown

If an on-site drinking water well is no longer used, has it been properly abandoned according to applicable regulatory requirements? If yes, indicate the date the well was abandoned. \Box Yes \Box No \Box N/A \Box Unknown

2. Has the property ever had an on-site wastewater treatment and disposal systems (e.g., septic systems or sewage lagoons). *If yes, please describe of the system, including the location(s), size, date constructed, and which buildings discharge to the system.*Yes No Xunknown

If the on-site wastewater treatment and disposal system is no longer used, has it been closed? If yes, describe method of closure and date closed. \Box Yes \Box No \Box N/A \Box Unknown

3. Does the property have any monitoring wells? *If yes, explain the purpose of the wells and provide the location(s), dates of construction, and any analytical results.* Yes No Unknown

If the monitoring wells are no longer used, were they properly abandoned according to applicable regulatory requirements? If yes, indicate the date the well was abandoned. \Box Yes \Box No \Box N/A \Box Unknown

4. Does the property have surface water (e.g., pits, ponds, lagoons, rivers, creeks, or oceans)? If yes, describe the location(s) and type of surface water.

Cave Creek has perennial stream flow.

If the property has surface water, are you aware of any unnatural characteristics such as color, sheens, odors, or sterility? If yes, please describe and indicate whether the situation is new or pre-existing. $Pres \otimes No \otimes N/A \otimes N/A$

5. Has the property ever discharged industrial or other wastewater (excluding storm water runoff or sanitary wastewater discharges from restrooms, kitchens, or other household-type uses) onto or adjacent to the property? *If yes, describe the discharge and indicate the location(s) and dates.* Yes No Unknown

6. Other Questions as necessary based on the records review:

D. Compliance/Permits

- 1. Have there been any environmental permits or licenses issued for current or past operations associated with the property (e.g., air quality, water discharge, or landfills)? If yes, describe the permitted operations, indicate the permitting agency, date the permit was issued, and whether the permit is still effective. Yes No Kunknown
- 2. Are you aware of any environmental liens against the property that were filed or recorded under Federal, Tribal, State or local law? *If yes, describe the lien and indicate the date and effect on the current and future use of the property.*Yes No XUnknown

3. Are you aware of any activity and land use limitations that are in place on the property or that were filed or recorded under Federal, Tribal, State or local environmental laws? *If yes, describe the land use restrictions, identify the party that issued the restrictions and the date.*

Yes No Unknown

4. Are you aware of any compliance/enforcement notices relating to past or current-violations of environmental laws with respect to the property or any facility on the property? *If yes, describe the violations and the dates involved.*

Yes No Unknown

5. Are you aware if any environmental site assessment, or other environmental investigations, of the property, or any other property or site records ever indicated the presence of hazardous substances, petroleum products, or other potential environmental problems on the property? *If yes, describe the report and findings.* Yes No Unknown

Only site assessments for Resolution.
Are you aware of any environmental site assessment, or other environmental investigations, of the property, or any other property

6. Are you aware of any environmental site assessment, or other environmental investigations, of the property, or any other property or site records that recommended further assessment of the property? *If yes, identify the report and indicate if the further assessment was done.*

7. Are you aware of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substances or petroleum products on the real property? *If yes, describe the action and identify the party that is initiating the action*. Yes No Unknown

8. Other Questions as necessary based on the records review:

E. Other

1. Are you aware any past or current occurrences of anomalous vegetation (e.g., stressed or dead) on the property? *If yes, indicate the location(s) and approximate dates.* Yes No Unknown

	Typical desert vegetation, nothing suspected to be out of the ordinary in connection to the general landscape.		
2.	Are you aware of the presence of invasive or non-native plants on the property? If yes, please indicate the location/s and name (e.g., kudzu, Phragmites, cheatgrass), if known, and approximate area covered by the plants. Yes No Wunknown		
	Likely red brome.		
	If yes, has there been any attempt to remove or eradicate the invasive species? If yes, explain what was attempted and if it was successful? \Box Yes \Box No \Box Unknown		
	Have any vegetative control programs (e.g., along transmission lines, fence lines, rights-of-ways, or pipelines) been done on the property? If yes, describe the program and types of activities. \Box Yes \Box No \Box Unknown		
3.	If not mentioned above, is there anything else that could indicate the presence of hazardous substances, petroleum products or other environmental conditions that may affect the property? Yes No Unknown		

Name, Title, and signature of person conducting interview: Samantha Blonder, Project Manager -WestLand Resources, Inc. Date of interview: 04/14/2025 APPENDIX C Title and Encumbrance Documents



FILE COPY

1850 North Central Avenue Suite 300 Phoenix, AZ 85004 Watts 1.800.523.0358 Facsimile 1.602.263.0433 Main 1.602.287.3500

April 6, 2004

HAND DELIVERED

Swift Current Land & Cattle LLC 2525 E. Arizona Biltmore Cr., Suite C-135 Phoenix, AZ 85016

Re: Lawyers Title Insurance Corporation Escrow No.: N04-43147 KLS Property: H.E.S. 317, Maricopa County, AZ JOHNSON CATTLE COMPANY/SWIFT CURRENT LAND & CATTLE LLC

Gentlemen:

Enclosed is one copy of Lawyers Title Insurance Corporation Title Commitment No. 1343452 with Effective Date of March 10, 2004. Also enclosed is a copy of the Assessor's Map and one copy of each of the recorded documents referred to in Exceptions No. 3 and 4 of Schedule B-Section II.

If you have any questions regarding these enclosures, please call me at (602) 287-3526, or send via e-mail to: <u>kstockstill@landam.com</u>.

Very truly yours,

LANDAMERICA FINANCIAL GROUP, INC. for its subsidiary, LAWYERS TITLE INSURANCE CORPORATION

Kárma L. Stockstill National Accounts Administrator

KLS/hs

cc: James M. Balogh, Esq. (Hand Delivered w/copy of each enclosure)
 Johnson Cattle Company (US Mail w/copy of each enclosure)
 Mr. Edward Childers, Dan Schwartz Realty (Hand Delivered w/copy of each enclosure)
 Mr. Con Engelhorn, Headquarters West, Ltd. (Hand Delivered w/copy of each enclosure)

Your Solution for Real Estate Transaction Management

ISSUED BY LAWYERS TITLE INSURANCE CORPORATION



LAWYERS TITLE INSURANCE CORPORATION, a Virginia corporation, herein called the Company, for valuable consideration, hereby commits to issue its policy or policies of title insurance, as identified in Schedule A, in favor of the proposed Insured named in Schedule A, as owner or mortgagee of the estate or interest covered hereby in the land described or referred to in Schedule A, upon payment of the premiums and charges therefor; all subject to the provisions of Schedules A and B and to the Conditions and Stipulations hereof.

This Commitment shall be effective only when the identity of the proposed Insured and the amount of the policy or policies committed for have been inserted in Schedule A hereof by the Company, either at the time of the issuance of this Commitment or by subsequent endorsement.

This Commitment is preliminary to the issuance of such policy or policies of title insurance and all liability and obligations hereunder shall cease and terminate six (6) months after the effective date hereof or when the policy or policies committed for shall issue, whichever first occurs, provided that the failure to issue such policy or policies is not the fault of the Company.

IN WITNESS WHEREOF, LAWYERS TITLE INSURANCE CORPORATION has caused its corporate name and seal to be hereunto affixed by its duly authorized officers, the Commitment to become valid when countersigned by an authorized officer or agent of the Company.

Attest:

JAD. With Secretary



LAWYERS TITLE INSURANCE CORPORATION

By:

Janet a. algorit

President

DISCLOSURE NOTICES

Good Funds Law

Arizona Revised Statutes Section 6-843 regulates the disbursement of escrow funds by an escrow agent. The law requires that funds be deposited in the escrow agent's escrow account and available for withdrawal prior to disbursement. Funds deposited with the Company by wire transfer may be disbursed upon receipt. Funds deposited with the Company by wire transfer may be disbursed upon receipt. Funds deposited with the Company in the form of cashier's checks, certified checks or teller's checks, or checks which are made by an affiliate of a state or federally regulated depository institution when the check is drawn on that institution, may be disbursed the same day as deposited. If funds are deposited with the Company by other methods, recording and/or disbursement may be delayed.

Privacy Notice (15 U.S.C. 6801 and 16 CFR Part 313):

We collect nonpublic personal information about you from information you provide on forms and documents and from other people such as your lender, real estate agent, attorney, escrow, etc. We do not disclose any nonpublic personal information about our customers or former customers to anyone, except as permitted by law. We restrict access to nonpublic personal information about you to those employees who need to know that information in order to provide products or services to you. We maintain physical, electronic and procedural safeguards that comply with federal regulations to guard your nonpublic personal information.

PURCHASER DWELLING ACTIONS NOTICE

Pursuant to Arizona Revised Statutes Section 12-1363.N, notice is hereby provided to the purchaser of a dwelling of the provisions of Arizona Revised Statutes Sections 12-1361, 1362 and 1363. These statutory sections set forth the requirements to be met by a purchaser prior to bringing an action against the seller of a dwelling arising out of or related to the design, construction, condition or sale of the dwelling. "Dwelling" means a single or multifamily unit designed for residential use and common areas and improvements owned or maintained by an association or its members. "Seller" means any person, firm, partnership, corporation, association or other organization engaged in the business of designing, constructing or selling dwellings. The complete statutory sections can be viewed on the Arizona State Legislature's web site: www.azleg.state.az.us/ars/ars.htm.

NOTICE:

Pursuant to Arizona Revised Statutes 11-480, effective January 1, 1991, the County Recorder may not accept documents for recording that do not comply with the following:

- a Print must be ten-point type (pica) or larger.
- b Margins of at least one-half inch along the left and right sides one-half inch across the bottom and at least two inches on top for recording and return address information.
- c Each instrument shall be no larger than 8 ½ inches in width and 14 inches in length.

Karma L. Stockstill Lawyers Title Insurance Corporatin LandAmerica Commercial Services 1850 N. Central Ave., Suite 300 Phoenix, Az 85004

Escrow no. N04-43147 KLS

COMMITMENT FOR TITLE INSURANCE Issued by

Lawyers Title Insurance Corporation

SCHEDULE A

1. Effective Date: March 10, 2004 at 7:30 a.m.

File No.: 01343452

2. Policy or Policies to be issued: ALTA Std. Owners Policy 10-17-92

Proposed Insured: Swift Current Land & Cattle LLC,, an Arizona limited liability company

Liability: \$1,647,650.00

Policy or Policies to be issued: None

Proposed Insured:

Liability: \$

Policy or Policies to be issued: None

Proposed Insured:

Liability: \$

- 3. The estate or interest in the land described or referred to in the Commitment and covered herein is **A FEE**.
- 4. Title to the said estate or interest in said land is at the effective date hereof vested in:

Johnson Cattle Company, an Arizona partnership

5. The land referred to in this Commitment is situated in the County of Maricopa, State of ARIZONA, and is described as follows:

As fully set forth on "Exhibit A" attached hereto and by this reference incorporated herein

EXHIBIT "A"

H. E. Survey No. 317, embracing a portion of, approximately, Section 21, Township 7 North, Range 4 East of the Gila and Salt River Base and Meridian, Maricopa County, Arizona, more particularly described as follows:

BEGINNING at Corner No. 1, from which U. S. Location Monument No. 317, H.E.S. bears South 59 degrees 57 minutes East 10-58/100ths chains distant;

THENCE South 46 degrees 12 minutes East 26-94/100ths chains to Corner No. 2;

THENCE South 04 degrees 03 minutes East 61 chains to Corner No. 3;

THENCE West 19-84/100ths chains to Corner No. 4;

THENCE North 05 degrees 51 minutes West 71-34/100ths chains to Corner No. 5;

THENCE North 21 degrees 46 minutes East 9-22/100ths chains to Corner No. 1, the POINT OF BEGINNING, according to the Official Plat of the Survey of the said Land, returned to the General Land Office by the Surveyor-General.

SCHEDULE B – SECTION I REQUIREMENTS

The following are the requirements to be complied with prior to the issuance of said policy or policies. Any other instrument recorded subsequent to the date hereof may appear as an exception under Schedule B of the policy to be issued. Unless otherwise noted, all documents must be recorded in the office of the Recorder of the County in which said property is located.

- 1. PAY second installment 2003 taxes, Parcel No. 219-09-001 7.
- 2. RECORD Certificate of Partnership executed by all partners for Johnson Cattle Company, an Arizona partnership.
- 3. Submit fully executed copy of the partnership agreement (and all amendments) of the partnership named below for examination. The right is reserved to make additional requirements upon such examination.

Johnson Cattle Company, an Arizona partnership

4. RECORD Deed from Johnson Cattle Company, an Arizona partnership to buyer(s).

NOTE: ARS 11:1133 may require the completion and filing of an Affidavit of Value.

ACCESS NOTE: A cursory search of the title does not indicate a right of access to this property. In order to identify the properties that need to be searched for the purpose of determining the existence of such right, the company requires a sketch showing the physical route taken to and from said land. No further search for access will be attempted until such sketch is received. In the event this transaction is closed prior to a final determination of the existence of an insurable right of access, exception no. 5 shall remain as an item in Schedule B.

TAX NOTE:

Year	2003	
Parcel No.	219-09-001	7
Total Tax	\$102.16	
First Half	\$Paid	
Second Half	\$51.08	

Arb No. 219-09-001

END OF SCHEDULE B – SECTION I

SCHEDULE B – SECTION II EXCEPTIONS

Schedule B of policy or policies to be issued will contain exceptions to the following matters unless the same are disposed of to the satisfaction of the Company:

- A. Defects, liens, encumbrances, adverse claims or other matters, if any, created, first appearing in the public records or attaching subsequent to the effective date hereof but prior to the date the proposed Insured acquires for value of record the estate or interest or mortgage thereon covered by this commitment.
- 1. OBLIGATIONS imposed upon said land by its inclusion within any district formed pursuant to Title 48, Arizona Revised Statutes, excluding however Municipal or County Improvement Districts.
- 2. TAXES AND ASSESSMENTS collectible by the County Treasurer, a lien not yet due and payable for the following year:

2004

3. ANY ACTION that may be taken by Flood Control District named below to acquire property or rights of way for flood control as disclosed by instrument:

Recorded in Document No. District 98-708623 Maricopa County

 MATTERS SHOWN ON SURVEY: Recorded in Book 330 of Maps

Page 38

5. THE LACK of a legal right of access recorded in insurable form to and from said land to a public street.

END OF SCHEDULE B – SECTION II

COMMITMENT CONDITIONS AND STIPULATIONS

The term mortgage, when used herein, shall include deed of trust, trust deed, or other security instrument

- If the proposed insured has or acquires actual knowledge of any defect, lien, encumbrance, adverse claim or other matter affecting the estate or interest or mortgage thereon covered by this Commitment other than those shown in Schedule B hereof, and shall fail to disclose such knowledge to the Company in writing, the Company shall be relieved from liability for any loss or damage resulting from any act or reliance hereon to the extent the Company is prejudiced by failure to so disclose such knowledge. If the proposed Insured shall disclose such knowledge to the Company, or if the Company otherwise acquires actual knowledge of any such defect, lien, encumbrance, adverse claim or other matter, the Company at its option may amend Schedule B of this Commitment accordingly, but such amendment shall not relieve the Company from liability previously incurred pursuant to paragraph 3 of these Conditions and Stipulations
- Liability of the Company under this Commitment shall be only to the named proposed insured and such parties included under the definition of insured in the form of policy or policies committed for and only for actual loss incurted in reliance hereon in undertaking in good faith, (a) to comply with the requirements hereof, or (b) to eliminate exceptions shown in Schedule B, or (c) to acquire or create the estate or interest or mortgage thereon covered by this Commitment In no event shall such liability exceed the amount stated in Schedule A for the policy or policies committed for and such liability is subject to the insuring provisions, the Conditions and Stipulations, and the Exclusions from Coverage of the form of policy or policies committed for in favor of the proposed insured which are hereby incorporated by reference and are made a part of this Commitment except as expressly modified herein.
- Any action or actions or rights of action that the proposed insured may have or may bring against the Company arising out of the status of the title to the estate or interest or the status of the mortgage thereon covered by this Commitment must be based on and are subject to the provisions of this Commitment

AMERICAN LAND TITLE ASSOCIATION LOAN POLICY (10-17-92) WITH ALTA ENDORSEMENT-FORM 1 COVERAGE and

AMERICAN LAND TITLE ASSOCIATION LEASEHOLD LOAN POLICY (10-17-92) WITH ALTA ENDORSEMENT-FORM 1 COVERAGE EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, attorney's fees or expenses which arise by reason of

- Any law, ordinance or governmental regulation (including but not limited to building and zoning laws, ordinances, or regulations) restricting, regulations, prohibiting or relating to (i) the occupancy, use, or enjoyment of the land, (a) (ii) the character, dimensions or location of any improvement now or hereafter erected on the land, (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or (iv) environmental protection, or the effect of any violation of these taws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
- Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or a notice of a defect, lien or encumbrance resulting from a violation or alleged violation effecting the land has {b} been recorded in the public records at Date of Policy.
- Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.
- Defects, liens, encumbrances, adverse claims or other matters:
- created, suffered, assumed or agreed to by the insured claimant* (3)
 - not known to the Company, not recorded in the public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy, resulting in no loss or damage to the insured claimant; (b)
 - (c)
 - attaching or created subsequent to Date of Policy, (except to the extent that this policy insures the priority of the lien of the insured mortgage over any statutory lien for services, labor or material) or (d)
- resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the estate or interest insured by this policy Unenforceability of the lien of the insured mongage because of the inability or failure of the insured at Date of Policy, or the inability or failure of any subsequent owner of the indebtedness, to comply with applicable doing business laws of the state in which the land is situated.
- Invalidity or unenforceability of the lien of the insured mortgage, or claim thereof, which arises out of the transaction evidenced by the insured mortgage and is based upon usury or any consumer credit protection or truth in lending law. 5 Any statutory lien for services, labor or materials (or the claim of priority of any statutory lien for services, labor or materials over the lien of the insured mortgage) arising from an improvement or work related to the land which is 6 contracted for and commenced subsequent to Date of Policy and is not financed in whole or in part by proceeds of the indebtedness secured by the insured mortgage which at Date of Policy the insured has advanced or is obligated to advance.
- Any claim which arises out of the transaction creating the interest of the mortgagee insured by this Policy, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that is based on 7.
- the transaction creating the interest of the insured mortgagee being deemed a fraudulent conveyance or fraudulent transfer, or (3)
- the subordination of the interest of the insured mortgagee as a result of the application of the doctrine of equitable subordination; or (b)
- the transaction creating the interest of the insured morigagee being deemed a preferential transfer except where the preferential transfer results from the failure: (i) to timely record the instrument of transfer; or (c)
 - (ii) of such recordation to impart notice to a purchaser for value or a judgment or lien creditor.

The above policy forms may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage policy will also include the following General Exceptions

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of

- Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records
- Proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the public records
- Any facts, rights, interests or claim which are not shown by the public records but which could be ascertained by an inspection of the land or by making inquiry of persons in possession thereof. Easements, liens or encumbrances, or claims thereof, which are not shown by the public records. 3
- 4
- Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by the public records. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b) or (c) are shown by the public 5. records

AMERICAN LAND TITLE ASSOCIATION OWNER'S POLICY (10-17-92)

And

AMERICAN LAND TITLE ASSOCIATION LEASEHOLD OWNER'S POLICY (10-17-92) EXCLUSIONS FROM COVERAGE

- The following matters are expressly excluded from the coverage of this policy and the Company will not pay loss or damage, costs, automeys' fees or expenses which arise by reason of.
 1. (a) Any law, ordinance or governmental regulation (including but not limited to building and zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating to (i) the occupancy, use, or enjoyment of the land; (ii) the character, dimensions or location of any improvement now or hereafter erected on the land; (iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part, or (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien or encumbrance resulting from a violation or alleged violating affecting the land has been recorded in the public records at Date of Policy.
 - Any governmental policy power not excluded by (a) above, except to the extent that a notice of the exercise thereof or a notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy. (b)
 - Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.
- 3 Defects, liens, encumbrances, adverse claims or other matters

2.

- created, suffered, assumed or agreed to by the insured claimant' (a)
- not known to the Company, not recorded in the public records at Date of Policy, but known to the insured claimant and not disclosed in writting to the Company by the insured claimant prior to the date the insured claimant (b) became an insured under this policy;
- resulting in no loss or damage to the insured claimant, (c)
- attaching or created subsequent to Date of Policy, (except to the extent that this policy insures the priority of the lien of the insured mortgage over any statutory lien for services, labor or material) or resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the estate or interest insured by this policy. (d)
- (e)
 - Any claim, which arises out of the transaction vesting in the insured the estate or interest insured by the policy, by reason of the operation of federal bankruptcy, state insolvency, or similar ereditors' rights laws, that is based on
 - (a)the transaction creating the estate or interest insured by this policy being deemed a fraudulent conveyance or fraudulent transfer, or (b) the transaction creating the estate or interest insured by the policy being deemed a preferential transfer except where the preferential transfer results from the failure
 - to timely record the instrument of transfer; or 6i)
 - (ii) of such recordation to impart notice to a purchaser for value or a judgment or lien creditor.

The above policy forms may be issued to afford either Standard Coverage or Extended Coverage. In addition to the above Exclusions from Coverage, the Exceptions from Coverage in a Standard Coverage Policy will also include the following General Exceptions

EXCEPTIONS FROM COVERAGE

This policy does not insure against loss or danage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason of.

- Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records
- Proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the public records
- Any facts, rights, interests or claim which are not shown by the public records but which could be ascertained by an inspection of the land or by making inquiry of persons in possession thereof.
- Easements, liens or encumbrances, or claims thereof, which are not shown by the public records. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by the public records
- 5 (a) Unpatented mining claims, (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof, (c) water rights, claims or title to water, whether or not the matters excepted under (a), (b) or (c) are shown by the public records

AMERICAN LAND TITLE ASSOCIATION HOMEOWNER'S POLICY OF TITLE INSURANCE (10/17/98) EXCLUSIONS

In addition to the Exceptions in Schedule B. You are not insured against loss, costs, attorneys' fees, and expenses resulting from

Governmental police power, and the existence or violation of any law or government regulation. This includes ordinances, laws and regulations concerning 1.

- a. building b zoning
- land use
- d. improvements on the Land
- land division
- environmental protection

This Exclusion does not apply to violations or the enforcement of these matters if notice of the violation or enforcement appears in the Public Records at the Policy Date.

- This Exclusion does not limit the coverage described in Covered Risk 14, 15, 16, 17 or 24. The failure of Your existing structures, or any part of them, to be constructed in accordance with applicable building codes. This Exclusion does not apply to violations of building codes if notice of the violation appears in the Public Records at the Policy Date.
- The right to take the Land by condemning it, unless: 3

 - a notice of exercising the right appears in the Public Records at the Policy Date, or the taking happened before the Policy date and is binding on You if You bought the Land without knowing of the taking Ь
- 4 Risks

2

- that are created, allowed, or agreed to by You, whether or not they appear in the Public Records; that are known to You at the Policy Date, but not to Us, unless they appear in the Public Records at the Policy Date, b.
- that result in no loss to You; or
- that first occur after the Policy Date this does not limit the coverage described in Covered Risk 7, 8d, 22, 23, 24 or 25
- Failure to pay value for Your Title 5 6 Lack of a right
 - to any land outside the area specifically described and referred to in paragraph 3 of Schedule A; and
 - in streets, alleys, or waterways that touch the land b
 - This Exclusion does not limit the coverage described in Covered Risk 11 or 18

AMERICAN LAND TITLE ASSOCIATION **RESIDENTIAL TITLE INSURANCE POLICY (6-2-87)** EXCLUSIONS

In addition to the Exceptions in Schedule B, you are not insured against loss, costs, attorneys' fees, and expenses resulting from

Governmental police power, and the existence or violation of any law or government regulation. This includes building and zoning ordinances and also laws and regulations concerning

- Land use
- Improvements on the land .
- Land division
- Environmental protection

This exclusion does not apply to violations or the enforcement of these matters which appear in the public records at Policy Date. This exclusion does not limit the zoning coverage described in items 12 and 13 of Covered Title Risks.

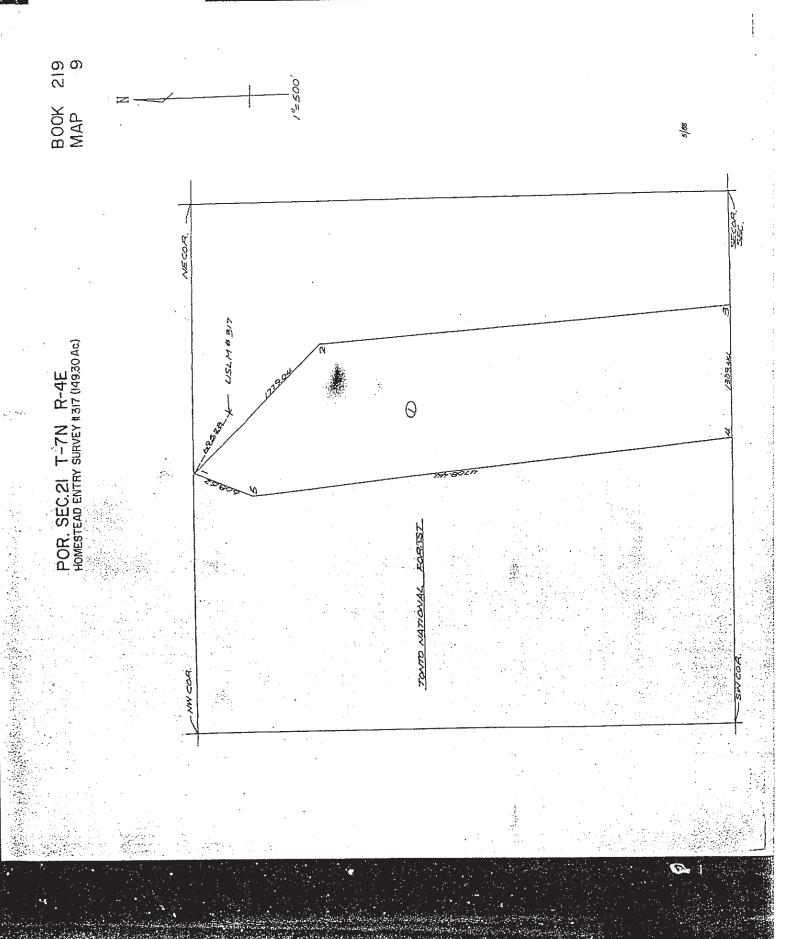
- The right to take the land by condemning it, unless; A notice of exercising the right appears in the public records on the Policy Date
- The taking happened prior to the Policy Date and is binding on you if you bought the land without knowing of the taking
- 3 Title Risks:

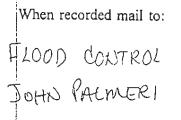
2

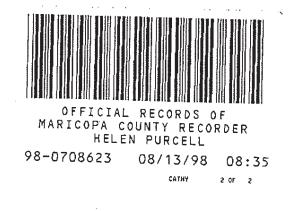
- That are created, allowed, or agreed to by you
- That are known to you, but not to us, on the Policy Date unless they appeared in the Public Records
- That result in no loss to you
- That first affect your title after the Policy Date this does not limit the labor and material lien coverage in Item B of Covered Title Risks
- Failure to pay value for your title.
- 5 Lack of a right:
 - To any land outside the area specifically described and referred to in Item 3 of Schedule A ÓR

In streets, alleys, or waterways that touch your land This exclusion does not limit the access coverage in Item 5 of Covered Title Risks





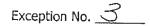




CAPTION HEADING:

DO NOT REMOVE

This is part of the official document.



hazard along Cave Creek from Cave Buttes Dam north to the County boundary. The Study shall recommend a preferred alternative for alleviating the flooding hazard; and,

BE IT FURTHER RESOLVED that the Chief Engineer and General Manager is directed to negotiate and prepare intergovernmental agreements with the City of Phoenix and others, if appropriate, for the coordination of the Upper Cave Creek Watercourse Master Plan Study; subject to the ratification and approval of this Board; and,

BE IT FURTHER RESOLVED that the Chief Engineer and General Manager is hereby authorized and directed to negotiate with landowners and/or appropriate agencies to obtain rights-of-entry and all other necessary land rights required for the Upper Cave Creek Watercourse Master Plan Study at locations identified as below; and,

BE IT FURTHER RESOLVED that the Chief Engineer and General Manager of the District is hereby authorized and directed to hire, retain, or otherwise utilize the professional services of the County Attorney's Office or private counsel to initiate and prosecute actions and proceedings in the manner required by law to condemn any and all rights-of-entry, easements, or real property required for the Upper Cave Creek Watercourse Master Plan which cannot be obtained by donation or purchase in the following locations:

Sections 2, 3, 4, Township 4 North, Range 3 East, Sections 1, 2, 10, 11, 12, 13, 14, 15, 22, 23, 24, 25, 26, 27, 28, 32, 33, 34, 35, Township 5 North, Range 3 East, Sections 4, 5, 6, 7, 8, 18, Township 5 North, Range 4 East, Section 36, Township 6 North, Range 3 East, Sections 3, 4, 5, 6, 7, 8, 9, 10, 16, 17, 18, 19, 20, 21, 28, 29, 30, 31, 32, 33, Township 6 North, Range 4 East, Sections 1, 2, 3, 4, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 20, 21, 22, 27, 28, 29, 32, 33, 34, Township 7 North, Range 4 East, Sections 4, 5, 6, 7, 8, 9, 16, 17, 18, Township 7 North, Range 5 East, Sections 28, 29, 30, 31, 32, 33, Township 8 North, Range 5 East, of the Gila and Salt River Base and Meridian, Maricopa County, Arizona.

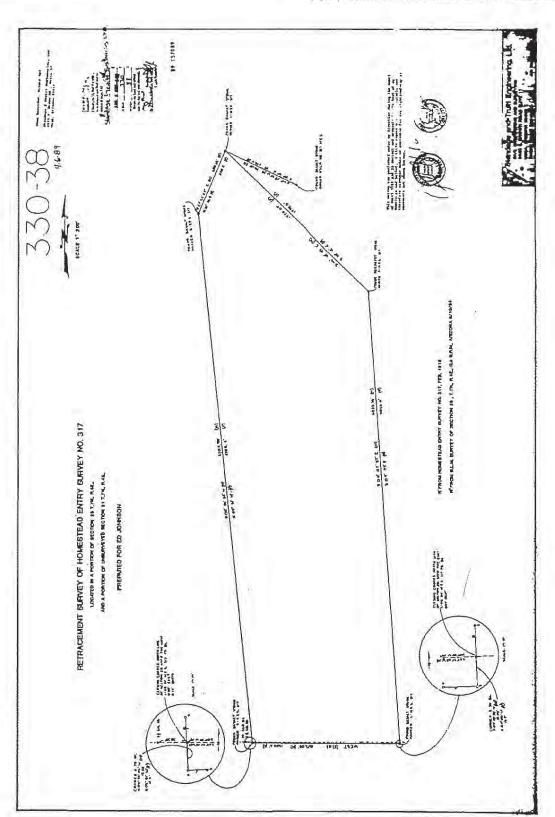
Dated this 5th day of November . 1997.

ATTEST:

Chairman, Board of Directors

-Clerk of the Board

Description: Maricopa, AZ Document-Year.DocID [1983+] 1998.708623 Page: 3 of 3 Order: 1 Comment:



Description: Maricopa,AZ Plat Map 330.38 Page: 1 of 1 Order: 1 Comment:

Exception No. 2

. -

APPENDIX D Environmental Lien and AUL Report **Cave Creek** Maricopa County, Arizona Tonto National Fores, AZ 00199

Inquiry Number: 7904702.7 February 24, 2025

EDR Environmental Lien and AUL Search



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

EDR Environmental Lien and AUL Search

The EDR Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations (AULs), such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- · search for parcel number and/or legal description
- · search for ownership information
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.
- search for publicly available environmental encumbering instrument(s) filed on or after the recording of the current deed; between the recording of the current deed and the most current publicly available date
- provide a copy of any environmental encumbrance(s)
- · provide a copy of the current deed when available

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

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

Maricopa County, Arizona Cave Creek Tonto National Fores, AZ 199

ENVIRONMENTAL LIEN			
Environmental Lien:	Found	Not Found	×
OTHER ACTIVITY AND USE LIMITATIONS (AULs)			
AULs:	Found	NotFound	×

RESEARCH SOURCE

Source 1: Maricopa Recorder Maricopa, AZ

PROPERTY INFORMATION

Deed 1:

Type of Deed:	Warranty Deed
Title is vested in:	Resolution Copper Mining LLC
Title received from:	Swift Curren Land & Cattle LLC
Deed Dated	3/24/2020
Deed Recorded:	4/8/2020
Book:	NA
Page:	NA
Volume:	NA
Instrument	20200302414
Docket	NA
Land Record Comments:	see exhibit
Miscellaneous Comments:	NA
Legal Description:	see exhibit
Legal Current Owner:	Resolution Copper Mining LLC
Parcel # / Property Identifier:	219-09-001
Comments:	see exhibit

Deed Exhibit 1

Unofficial ^{20:}Document

After recording return to:

13. toi

Resolution Copper Mining LLC Attn: Legal Department 102 Magma Heights, Box 1944 Superior, AZ 85173

Exempt pursuant to A.R.S. § 11-1134.B.7(b)

WARRANTY DEED

FOR THE CONSIDERATION of Ten Dollars (\$10.00) and other valuable considerations, SWIFT CURRENT LAND & CATTLE LLC, whose address is 102 Magma Heights, Box 1944, Superior, AZ 85173, ("Grantor") does hereby convey to **RESOLUTION COPPER MINING, LLC**, a Delaware limited liability company, whose address is 102 Magma Heights, Box 1944, Superior, AZ 85173 ("Grantee"); that certain real property situated in Maricopa County, Arizona, more particularly described in Exhibit A attached hereto and by this reference incorporated herein;

TOGETHER WITH all associated rights, water rights, tenements, hereditaments and appurtenances thereto belonging, or otherwise appertaining thereto;

SUBJECT TO:

1. Current taxes;

2. All matters of record in the official records of Maricopa County, or would be apparent by an inspection of the property conveyed hereby;

3. Reservations in patents from the United States of America or the State of Arizona.

TO HAVE AND TO HOLD the same, together with the appurtenances and privileges thereunto incident, unto the Grantee, its successors and assigns forever.

GRANTOR WARRANTS title to the Property against all persons, whomsoever, subject only to those matters described above.

Presented for recording without liability for acceptability or sufficiency by FIRST AMERICAN TITLE 20200302414

DATED this 24th day of March, 2020.

GRANTOR: SWIFT CURRENT LAND & CATTLE LLC

By: Sterling Hundley Its: Controller

STATE OF ARIZONA

County of Pinal

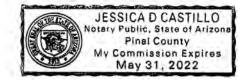
The foregoing instrument was acknowledged before me this 24th day of March, 2020, by Sterling Hundley, its Controller.

) ss.

)

Notary Public

My commission expires: May 31,2022



20200302414

EXHIBIT A

H. E. SURVEY NO. 317, EMBRACING A PORTION OF, APPROXIMATELY, SECTION 21 TOWNSHIP 7 NORTH, RANGE 4 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT CORNER NO. 1, FROM WHICH U.S. LOCATION MONUMENT NO. 317, H.E.S. BEARS SOUTH 59 DEGREES 57 MINUTES EAST 10-58/100THS CHAINS DISTANT;

THENCE SOUTH 46 DEGREES 12 MINUTES EAST 26-94/100THS CHAINS TO CORNER NO. 2;

THENCE SOUTH 04 DEGREES 03 MINUTES EAST 61 CHAINS TO CORNER NO. 3;

THENCE WEST 19-84/100THS CHAINS TO CORNER NO.4;

THENCE NORTH 05 DEGREES 51 MINUTES WEST 71-34/100THS CHAINS TO CORNER NO. 5;

THENCE NORTH 21 DEGREES 46 MINUTES EAST 9-22/100THS CHAINS TO CORNER NO. 1, THE POINT OF Blooting Document, G, ACCORDING TO THE OFFICIAL PLAT OF THE SURVEY OF THE SAID LAND, RETURNED TO THE GENERAL LAND OFFICE BY THE SURVEYOR-GENERAL.

1:\FILES\DOCS\RESO03\160579\RE\11G4219.DOC

APPENDIX E Radius Map Report

Cave Creek Maricopa County, Arizona Tonto National Fores, AZ 00199

Inquiry Number: 7904702.2s February 20, 2025

The EDR Radius Map[™] Report with GeoCheck®



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

FORM-LBB-KKT

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Detail Map	3
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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 Source Map	A-7
Physical Setting Source Map Findings	A-8
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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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 (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

MARICOPA COUNTY, ARIZONA TONTO NATIONAL FORES, AZ 00199

COORDINATES

Latitude (North):	33.9366200 - 33° 56' 11.83''
Longitude (West):	111.9504510 - 111° 57' 1.62"
Universal Tranverse Mercator:	Zone 12
UTM X (Meters):	412159.3
UTM Y (Meters):	3755341.0
Elevation:	2560 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: Version Date: 50000688 NEW RIVER MESA, AZ 2021

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: Source: 20190614 USDA DATABASE ACRONYMS

Target Property Address: MARICOPA COUNTY, ARIZONA TONTO NATIONAL FORES, AZ 00199

Click on Map ID to see full detail.

MAP ID SITE NAME

IAME ADDRESS

RELATIVEDIST (ft. & mi.)ELEVATIONDIRECTION

NO MAPPED SITES FOUND

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

Lists of Federal NPL (Superfund) sites

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
NPL LIENS	

Lists of Federal Delisted NPL sites

Delisted NPL_____ National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY______ Federal Facility Site Information listing SEMS______ Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE_____ Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS..... Corrective Action Report

Lists of Federal RCRA TSD facilities

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

Lists of Federal RCRA generators

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

US ENG CONTROLS	Engineering Controls Sites List
	Institutional Controls Sites List

Federal ERNS list

ERNS_____ Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

AZ NPL_____ NPL Detail Listing AZ WQARF_____ Water Quality Assurance Revolving Fund Sites

Lists of state- and tribal hazardous waste facilities

SPL_____ Superfund Program List SHWS______ ZipAcids List

Lists of state and tribal landfills and solid waste disposal facilities

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

Lists of state and tribal leaking storage tanks

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

Lists of state and tribal registered storage tanks

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

Lists of state and tribal voluntary cleanup sites

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

Lists of state and tribal brownfield 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

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

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

FUDS. DOD. SCRD DRYCLEANERS. US FIN ASSUR. EPA WATCH LIST. 2020 COR ACTION. TSCA. TRIS. SSTS. ROD. RMP. RAATS. PRP. PADS. ICIS. FTTS.	 2020 Corrective Action Program List Toxic Substances Control Act Toxic Chemical Release Inventory System Section 7 Tracking Systems Records Of Decision Risk Management Plans RCRA Administrative Action Tracking System Potentially Responsible Parties PCB Activity Database System Integrated Compliance Information System FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide)
COAL ASH DOE COAL ASH EPA PCB TRANSFORMER RADINFO HIST FTTS DOT OPS CONSENT INDIAN RESERV FUSRAP UMTRA LEAD SMELTERS	 Superfund (CERCLA) Consent Decrees Indian Reservations Formerly Utilized Sites Remedial Action Program Uranium Mill Tailings Sites Lead Smelter Sites Aerometric Information Retrieval System Facility Subsystem

FINDS. DOCKET HWC. ECHO. UXO. FUELS PROGRAM. PFAS NPL. PFAS FEDERAL SITES. PFAS TRIS. PFAS TSCA. PFAS RCRA MANIFEST. PFAS ATSDR. PFAS WQP. PFAS NPDES. PFAS PROJECT. PFAS ECHO. PFAS ECHO FIRE TRAIN. PFAS ECHO FIRE TRAIN. PFAS PT 139 AIRPORT. AQUEOUS FOAM NRC. BIOSOLIDS. UST FINDER RELEASE. UST FINDER. E MANIFEST. PFAS. AQUEOUS FOAM. AIRS. AQUEOUS FOAM. AIRS. Aquifer. AZ DOD. Dry Wells. DRYCLEANERS. EMAP. Enforcement. Financial Assurance. MANIFEST. SPDES. VAPOR. UIC. WWFAC.	 Mineral Resources Data System Facility Index System/Facility Registry System Hazardous Waste Compliance Docket Listing Enforcement & Compliance History Information Unexploded Ordnance Sites EPA Fuels Program Registered Listing Superfund Sites with PFAS Detections Information Federal Sites PFAS Information List of PFAS Added to the TRI PFAS Manufacture and Imports Information PFAS Contamination Site Location Listing Ambient Environmental Sampling for PFAS Clean Water Act Discharge Monitoring Information NORTHEASTERN UNIVERSITY PFAS PROJECT Facilities in Industries that May Be Handling PFAS Listing Facilities in Industries that May Be Handling PFAS Listing Aqueous Foam Related Incidents Listing ICIS-NPDES Biosolids Facility Data UST Finder Releases Database UST Finder Releases Database UST Finder Releases Database Aqueous Film Forming Foam Listing Aquifer Protection Permits List Department of Defense Sites Drywell Registration Drycleaner Facility Listing All Places of Interest Listing Financial Assurance Information Listing Financial Assurance Information Listing Financial Assurance Information Listing Financial Assurance Information Listing Vapor Intrusion Underground Injection Control Wells Waste Water Treatment Facilities
DRYWELLS HIST	Historical Drywells Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants
	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

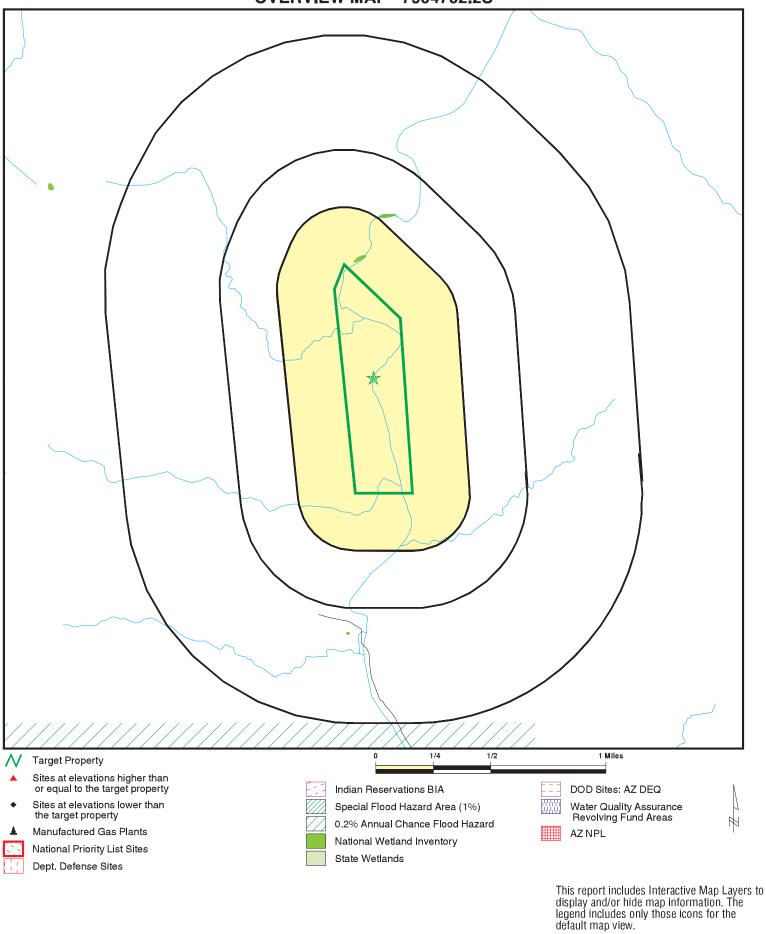
RGA LF...... Recovered Government Archive Solid Waste Facilities List RGA LUST...... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

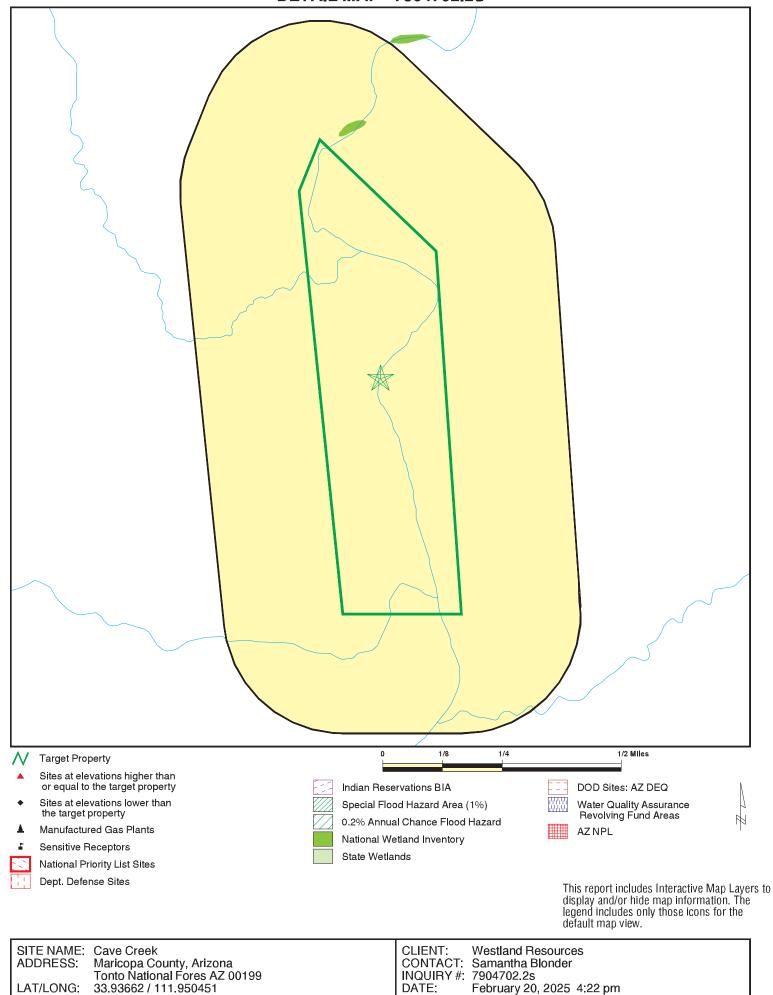
Unmappable (orphan) sites are not considered in the foregoing analysis.

There were no unmapped sites in this report.



CLIENT: CONTACT: SITE NAME: Cave Creek Westland Resources Maricopa County, Arizona Tonto National Fores AZ 00199 ADDRESS: Samantha Blonder INQUIRY #: 7904702.2s February 20, 2025 4:19 pm LAT/LONG: 33.93662 / 111.950451 DATE:

DETAIL MAP - 7904702.2S



LAT/LONG:

33.93662 / 111.950451

DATE:	February 20, 2025 4:22	pm
	Copyright © 2025 EDR, Inc. © 2015 TomTom Rel.	2015.

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMEN	TAL RECORDS							
Lists of Federal NPL (Su	perfund) site	s						
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	0 0 0	NR NR NR	0 0 0
Lists of Federal Delisted	NPL sites							
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites su CERCLA removals and		rs						
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of Federal CERCL	A sites with N	FRAP						
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA fa undergoing Corrective A								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA 1	SD facilities							
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA g	enerators							
RCRA-LQG RCRA-SQG RCRA-VSQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional cor engineering controls reg								
LUCIS US ENG CONTROLS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list	0.004							
ERNS Lists of state- and tribal			0	NR	NR	NR	NR	0
(Superfund) equivalent				-		-		
AZ NPL AZ WQARF	1.000 1.000		0 0	0 0	0 0	0 0	NR NR	0 0
Lists of state- and tribal hazardous waste faciliti								
SPL SHWS	1.000 1.000		0 0	0 0	0 0	0 0	NR NR	0 0
Lists of state and tribal and solid waste disposa								
SWF/LF	0.500		0	0	0	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and triba	l leaking stora	ge tanks						
LUST INDIAN LUST	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of state and triba	l registered sto	orage tanks						
FEMA UST UST AST INDIAN UST	0.250 0.250 0.250 0.250		0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 0 0 0
State and tribal institut control / engineering c		95						
AZURITE AUL	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of state and triba	l voluntary clea	anup sites						
VCP INDIAN VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of state and triba	l brownfield sit	tes						
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMI	ENTAL RECORD	<u>s</u>						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill Waste Disposal Sites	/ Solid							
SWTIRE INDIAN ODI DEBRIS REGION 9 ODI IHS OPEN DUMPS	0.500 0.500 0.500 0.500 0.500		0 0 0 0	0 0 0 0	0 0 0 0 0	NR NR NR NR NR	NR NR NR NR	0 0 0 0
Local Lists of Hazardo Contaminated Sites	us waste /							
US HIST CDL CDL US CDL	0.001 0.001 0.001		0 0 0	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency	-	orts						
HMIRS SPILLS SPILLS 90	0.001 0.001 0.001		0 0 0	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
Other Ascertainable Re								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

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		Ő	Ő	õ	Ö	NR	Õ
SCRD DRYCLEANERS	0.500		Õ	Ő	Õ	NR	NR	Õ
US FIN ASSUR	0.001		Õ	NR	NR	NR	NR	Õ
EPA WATCH LIST	0.001		Õ	NR	NR	NR	NR	õ
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		Õ	NR	NR	NR	NR	Õ
TRIS	0.001		Õ	NR	NR	NR	NR	Õ
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
USAIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO UXO	0.001 1.000		0 0	NR	NR 0	NR 0	NR NR	0 0
FUELS PROGRAM	0.250		0	0 0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	NR	NR	NR	0
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		Õ	õ	NR	NR	NR	ŏ
PFAS NPDES	0.250		Ő	õ	NR	NR	NR	õ
PFAS PROJECT	0.250		Ö	Õ	NR	NR	NR	õ
PFAS ECHO	0.250		Õ	õ	NR	NR	NR	õ
PFAS ECHO FIRE TRAIN	0.250		Õ	Õ	NR	NR	NR	Õ
PFAS PT 139 AIRPORT	0.250		0	0	NR	NR	NR	Ō
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	0.001		0	NR	NR	NR	NR	0

	Search Distance	Target						Total
Database	(Miles)	Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Plotted
UST FINDER RELEASE	0.500		0	0	0	NR	NR	0
UST FINDER	0.250		0	0	NR	NR	NR	0
E MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	0.250		0	0	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
Aquifer	0.001		0	NR	NR	NR	NR	0
AZ DOD	0.500		0	0	0	NR	NR	0
Dry Wells	0.001		0	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMAP	0.001		0	NR	NR	NR	NR	0
Enforcement	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
MANIFEST	0.250		0	0	NR	NR	NR	0
SPDES	0.001		0	NR	NR	NR	NR	0
VAPOR	0.500		0	0	0	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
WWFAC	0.500		0	0	0	NR	NR	0
DRYWELLS HIST	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICA	L RECORDS							
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERN		/ES						
Exclusive Recovered Go	vt. Archives							
			0	ND	ND			0
RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals		0	0	0	0	0	0	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Database(s) E

EDR ID Number EPA ID Number

NO SITES FOUND

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
	_				

NO SITES FOUND

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

Lists of Federal NPL (Superfund) sites

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: 12/19/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/21/2025 Number of Days to Update: 19 Source: EPA Telephone: N/A Last EDR Contact: 02/03/2025 Next Scheduled EDR Contact: 04/07/2025 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 3 Telephone 215-814-5418

EPA Region 4 Telephone 404-562-8033

EPA Region 5 Telephone 312-886-6686

EPA Region 10 Telephone 206-553-8665 EPA Region 6 Telephone: 214-655-6659

EPA Region 7 Telephone: 913-551-7247

EPA Region 8 Telephone: 303-312-6774

EPA Region 9 Telephone: 415-947-4246

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: 12/19/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/21/2025 Number of Days to Update: 19 Source: EPA Telephone: N/A Last EDR Contact: 02/03/2025 Next Scheduled EDR Contact: 04/07/2025 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

Lists of Federal Delisted NPL sites

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: 12/19/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/21/2025 Number of Days to Update: 19 Source: EPA Telephone: N/A Last EDR Contact: 02/04/2025 Next Scheduled EDR Contact: 04/07/2025 Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

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: 11/20/2024	Sourc
Date Data Arrived at EDR: 12/18/2024	Telep
Date Made Active in Reports: 12/20/2024	Last I
Number of Days to Update: 2	Next

Source: Environmental Protection Agency Telephone: 703-603-8704 Last EDR Contact: 12/18/2024 Next Scheduled EDR Contact: 04/07/2025 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: 12/19/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/21/2025 Number of Days to Update: 19 Source: EPA Telephone: 800-424-9346 Last EDR Contact: 02/03/2025 Next Scheduled EDR Contact: 04/21/2025 Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

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: 12/19/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/21/2025 Number of Days to Update: 19 Source: EPA Telephone: 800-424-9346 Last EDR Contact: 02/03/2025 Next Scheduled EDR Contact: 04/21/2025 Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/16/2024	Source: EPA
Date Data Arrived at EDR: 09/17/2024	Telephone: 800-424-9346
Date Made Active in Reports: 12/06/2024	Last EDR Contact: 02/19/2025
Number of Days to Update: 80	Next Scheduled EDR Contact: 03/31/2025
	Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

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: 09/16/2024 Date Data Arrived at EDR: 09/17/2024 Date Made Active in Reports: 12/06/2024 Number of Days to Update: 80 Source: Environmental Protection Agency Telephone: (415) 495-8895 Last EDR Contact: 02/19/2025 Next Scheduled EDR Contact: 03/31/2025 Data Release Frequency: Quarterly

Lists of Federal RCRA generators

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: 09/16/2024 Date Data Arrived at EDR: 09/17/2024 Date Made Active in Reports: 12/06/2024 Number of Days to Update: 80 Source: Environmental Protection Agency Telephone: (415) 495-8895 Last EDR Contact: 02/19/2025 Next Scheduled EDR Contact: 03/31/2025 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: 09/16/2024 Date Data Arrived at EDR: 09/17/2024 Date Made Active in Reports: 12/06/2024 Number of Days to Update: 80 Source: Environmental Protection Agency Telephone: (415) 495-8895 Last EDR Contact: 02/19/2025 Next Scheduled EDR Contact: 03/31/2025 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: 09/16/2024 Date Data Arrived at EDR: 09/17/2024 Date Made Active in Reports: 12/06/2024 Number of Days to Update: 80 Source: Environmental Protection Agency Telephone: (415) 495-8895 Last EDR Contact: 02/19/2025 Next Scheduled EDR Contact: 03/31/2025 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: 11/11/2024SDate Data Arrived at EDR: 11/25/2024TDate Made Active in Reports: 02/18/2025LNumber of Days to Update: 85N

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 01/30/2025 Next Scheduled EDR Contact: 05/19/2025 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: 11/04/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/15/2024	Telephone: 703-603-0695
Date Made Active in Reports: 02/11/2025	Last EDR Contact: 02/18/2025
Number of Days to Update: 88	Next Scheduled EDR Contact: 12/02/2024
	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: 11/04/2024 Date Data Arrived at EDR: 11/15/2024 Date Made Active in Reports: 02/11/2025 Number of Days to Update: 88 Source: Environmental Protection Agency Telephone: 703-603-0695 Last EDR Contact: 02/18/2025 Next Scheduled EDR Contact: 06/02/2025 Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 12/03/2024 Date Data Arrived at EDR: 12/11/2024 Date Made Active in Reports: 02/18/2025 Number of Days to Update: 69 Source: National Response Center, United States Coast Guard Telephone: 202-267-2180 Last EDR Contact: 12/11/2024 Next Scheduled EDR Contact: 03/31/2025 Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

AZ NPL: NPL Detail Listing

Detailed site information for NPL sites from the Arizona Department of Environmental Quality.

Date of Government Version: 03/31/2023	Source: Department of Environmental Quality
Date Data Arrived at EDR: 05/25/2023	Telephone: 602-771-4609
Date Made Active in Reports: 08/14/2023	Last EDR Contact: 02/05/2025
Number of Days to Update: 81	Next Scheduled EDR Contact: 05/26/2025
	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: 04/03/2024 Date Data Arrived at EDR: 05/02/2024 Date Made Active in Reports: 07/24/2024 Number of Days to Update: 83 Source: Department of Environmental Quality Telephone: 602-771-4360 Last EDR Contact: 02/05/2025 Next Scheduled EDR Contact: 05/26/2025 Data Release Frequency: Annually

Lists of state- and tribal hazardous waste facilities

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: 01/15/2025 Next Scheduled EDR Contact: 05/05/2025 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: 01/03/2000Source: Department of Environmental QualityDate Data Arrived at EDR: 04/11/2000Telephone: 602-771-4360Date Made Active in Reports: 05/16/2000Last EDR Contact: 12/04/2024Number of Days to Update: 35Next Scheduled EDR Contact: 03/24/2025Data Release Frequency: No Update Planned

Lists of state and tribal landfills and solid waste disposal facilities

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: 09/12/2024 Date Data Arrived at EDR: 09/26/2024 Date Made Active in Reports: 12/11/2024 Number of Days to Update: 76 Source: Department of Environmental Quality Telephone: 602-771-2300 Last EDR Contact: 12/23/2024 Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: Varies

Lists of state and tribal leaking storage tanks

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: 09/20/2024	Source: Department of Environmental Quality
Date Data Arrived at EDR: 10/01/2024	Telephone: 602-771-4345
Date Made Active in Reports: 12/11/2024	Last EDR Contact: 12/27/2024
Number of Days to Update: 71	Next Scheduled EDR Contact: 04/14/2025
	Data Release Frequency: Semi-Annually

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

Date of Government Version: 05/07/2024	Source: EPA Region 4
Date Data Arrived at EDR: 05/30/2024	Telephone: 404-562-8677
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 01/16/2025
Number of Days to Update: 90	Next Scheduled EDR Contact: 04/28/2025
	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: 05/07/2024 Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024 Number of Days to Update: 90 Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 01/16/2025 Next Scheduled EDR Contact: 04/28/2025 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: 05/07/2024 Date Data Arrived at EDR: 05/30/2024	Source: EPA Region 10 Telephone: 206-553-2857
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 01/16/2025
Number of Days to Update: 90	Next Scheduled EDR Contact: 04/28/2025 Data Release Frequency: Varies

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

Date of Government Version: 05/07/2024	Source: EPA Region 6
Date Data Arrived at EDR: 05/30/2024	Telephone: 214-665-6597
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 01/16/2025
Number of Days to Update: 90	Next Scheduled EDR Contact: 04/28/2025
	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: 04/11/2024	Source: EPA, Region 5
Date Data Arrived at EDR: 05/30/2024	Telephone: 312-886-7439
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 01/16/2025
Number of Days to Update: 90	Next Scheduled EDR Contact: 04/28/2025
	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: 05/07/2024 Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024 Number of Days to Update: 90	Source: Environmental Protection Agency Telephone: 415-972-3372 Last EDR Contact: 01/16/2025 Next Scheduled EDR Contact: 04/28/2025 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: 05/07/2024 Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024 Number of Days to Update: 90	Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 01/16/2025 Next Scheduled EDR Contact: 04/28/2025 Data Release Frequency: Varies	
INDIAN LUST R7: Leaking Underground Storage Table LUSTs on Indian land in Iowa, Kansas, and Ne		
Date of Government Version: 05/07/2024	Source: EPA Region 7	

Date of Government Version: 05/07/2024	Source: EPA Region 7
Date Data Arrived at EDR: 05/30/2024	Telephone: 913-551-7003
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 01/16/2025
Number of Days to Update: 90	Next Scheduled EDR Contact: 04/28/2025
	Data Release Frequency: Varies

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing A listing of all FEMA owned underground storage tanks.

Date of Government Version: 08/12/2024	Source: FEMA
Date Data Arrived at EDR: 10/30/2024	Telephone: 202-646-5797
Date Made Active in Reports: 01/14/2025	Last EDR Contact: 12/23/2024
Number of Days to Update: 76	Next Scheduled EDR Contact: 04/14/2025
	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: 09/20/2024 Date Data Arrived at EDR: 10/01/2024 Date Made Active in Reports: 12/11/2024 Number of Days to Update: 71 Source: Department of Environmental Quality Telephone: 602-771-4345 Last EDR Contact: 12/27/2024 Next Scheduled EDR Contact: 04/14/2025 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	Source: Department of Building & Fire Safety
Date Data Arrived at EDR: 12/06/2019	Telephone: 602-364-1003
Date Made Active in Reports: 01/31/2020	Last EDR Contact: 11/26/2024
Number of Days to Update: 56	Next Scheduled EDR Contact: 03/17/2025
	Data Release Frequency: No Update Planned

AST 2: Aboveground Storage Tank Listing

A listing of aboveground storage tank site locations.

Date of Government Version: 11/12/2024 Date Data Arrived at EDR: 12/04/2024 Date Made Active in Reports: 02/19/2025 Number of Days to Update: 77 Source: Department of Environmental Quality Telephone: 602-771-4380 Last EDR Contact: 11/26/2024 Next Scheduled EDR Contact: 03/17/2025 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: 04/11/2024	Source: EPA Region 5
Date Data Arrived at EDR: 05/30/2024	Telephone: 312-886-6136
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 01/16/2025
Number of Days to Update: 90	Next Scheduled EDR Contact: 04/28/2025
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/14/2024	Source: EPA Region 6
Date Data Arrived at EDR: 05/30/2024	Telephone: 214-665-7591
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 01/16/2025
Number of Days to Update: 90	Next Scheduled EDR Contact: 04/28/2025
	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: 05/14/2024 Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024 Number of Days to Update: 90 Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 01/16/2025 Next Scheduled EDR Contact: 04/28/2025 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: 05/14/2024	Source: EPA Region 4
Date Data Arrived at EDR: 05/30/2024	Telephone: 404-562-9424
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 01/16/2025
Number of Days to Update: 90	Next Scheduled EDR Contact: 07/29/2024
	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: 05/14/2024 Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024 Number of Days to Update: 90 Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 01/16/2025 Next Scheduled EDR Contact: 04/28/2025 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: 05/14/2024 Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024 Number of Days to Update: 90 Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 01/16/2025 Next Scheduled EDR Contact: 04/28/2025 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: 05/14/2024 Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024 Number of Days to Update: 90 Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 01/16/2025 Next Scheduled EDR Contact: 04/28/2025 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: 05/14/2024	Source: EPA Region 7
Date Data Arrived at EDR: 05/30/2024	Telephone: 913-551-7003
Date Made Active in Reports: 08/28/2024	Last EDR Contact: 01/16/2025
Number of Days to Update: 90	Next Scheduled EDR Contact: 04/28/2025
	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: 03/12/2024	Source: Department of Environmental Quality
Date Data Arrived at EDR: 03/14/2024	Telephone: 602-771-4397
Date Made Active in Reports: 06/04/2024	Last EDR Contact: 12/04/2024
Number of Days to Update: 82	Next Scheduled EDR Contact: 03/24/2025
	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: 03/12/2024 Date Data Arrived at EDR: 03/14/2024 Date Made Active in Reports: 06/04/2024 Number of Days to Update: 82 Source: Department of Environmental Quality Telephone: 602-771-4397 Last EDR Contact: 12/04/2024 Next Scheduled EDR Contact: 03/24/2025 Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 07/27/2015 Date Data Arrived at EDR: 09/29/2015 Date Made Active in Reports: 02/18/2016 Number of Days to Update: 142 Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 12/10/2024 Next Scheduled EDR Contact: 03/31/2025 Data Release Frequency: Varies

VCP: Voluntary Remediation Program Sites Sites involved in the Voluntary Remediation Program.

Date of Government Version: 04/02/2024 Date Data Arrived at EDR: 04/05/2024 Date Made Active in Reports: 06/26/2024 Number of Days to Update: 82 Source: Department of Environmental Quality Telephone: 602-771-4411 Last EDR Contact: 12/16/2024 Next Scheduled EDR Contact: 04/07/2025 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: 03/20/2008Source: EPA, Region 7Date Data Arrived at EDR: 04/22/2008Telephone: 913-551-7365Date Made Active in Reports: 05/19/2008Last EDR Contact: 07/08/2021Number of Days to Update: 27Next Scheduled EDR Contact: 07/20/2009Data Release Frequency: Varies

Lists of state and tribal brownfield sites

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

Date of Government Version: 09/08/2022 Date Data Arrived at EDR: 09/09/2022 Date Made Active in Reports: 12/08/2022 Number of Days to Update: 90 Source: Department of Environmental Quality Telephone: 602-771-4401 Last EDR Contact: 02/05/2025 Next Scheduled EDR Contact: 04/07/2025 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 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: 09/09/2024 Date Data Arrived at EDR: 09/11/2024 Date Made Active in Reports: 12/06/2024 Number of Days to Update: 86 Source: Environmental Protection Agency Telephone: 202-566-2777 Last EDR Contact: 12/12/2024 Next Scheduled EDR Contact: 03/24/2025 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: 11/20/2024 Date Data Arrived at EDR: 11/22/2024 Date Made Active in Reports: 02/14/2025 Number of Days to Update: 84

Source: Department of Environmental Quality Telephone: 602-771-4132 Last EDR Contact: 02/12/2025 Next Scheduled EDR Contact: 06/02/2025 Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps Location of open dumps on Indian land.	s on Indian Lands
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: 01/16/2025 Next Scheduled EDR Contact: 05/05/2025 Data Release Frequency: Varies
ODI: Open Dump Inventory An open dump is defined as a disposal facility Subtitle D Criteria.	y that does not comply with one or more of the Part 257 or Part 258
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 A listing of illegal dump sites location on the T County and northern Imperial County, Califord	Forres Martinez Indian Reservation located in eastern Riverside
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: 01/23/2025 Next Scheduled EDR Contact: 04/28/2025 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: 02/07/2024 Date Data Arrived at EDR: 11/13/2024 Date Made Active in Reports: 11/19/2024 Number of Days to Update: 6	Source: Department of Health & Human Serivces, Indian Health Service Telephone: 301-443-1452 Last EDR Contact: 12/09/2024 Next Scheduled EDR Contact: 05/05/2025 Data Release Frequency: Varies
Local Lists of Hazardous waste / Contaminated	Sites
US HIST CDL: National Clandestine Laboratory Re A listing of clandestine drug lab locations that Register.	egister have been removed from the DEAs National Clandestine Laboratory
Date of Government Version: 05/20/2024 Date Data Arrived at EDR: 08/19/2024 Date Made Active in Reports: 10/09/2024 Number of Days to Update: 51	Source: Drug Enforcement Administration Telephone: 202-307-1000 Last EDR Contact: 11/22/2024 Next Scheduled EDR Contact: 03/03/2025 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: 12/10/2024 Next Scheduled EDR Contact: 03/31/2025 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: 05/20/2024 Date Data Arrived at EDR: 08/19/2024 Date Made Active in Reports: 10/09/2024 Number of Days to Update: 51 Source: Drug Enforcement Administration Telephone: 202-307-1000 Last EDR Contact: 11/22/2024 Next Scheduled EDR Contact: 03/03/2025 Data Release Frequency: Quarterly

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: 12/19/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/21/2025 Number of Days to Update: 19 Source: Environmental Protection Agency Telephone: 202-564-6023 Last EDR Contact: 02/03/2025 Next Scheduled EDR Contact: 04/07/2025 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: 06/14/2024	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 06/17/2024	Telephone: 202-366-4555
Date Made Active in Reports: 06/24/2024	Last EDR Contact: 12/11/2024
Number of Days to Update: 7	Next Scheduled EDR Contact: 03/31/2025
	Data Release Frequency: Quarterly

SPILLS: Hazardous Material Logbook

Chemical spills and incidents referred to the Emergency Response Unit.

Date of Government Version: 11/15/2024	Source: Department of Environmental Quality
Date Data Arrived at EDR: 12/03/2024	Telephone: 602-771-4153
Date Made Active in Reports: 02/19/2025	Last EDR Contact: 02/18/2025
Number of Days to Update: 78	Next Scheduled EDR Contact: 06/02/2025
	Data Release Frequency: No Update Planned

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: 09/16/2024 Date Data Arrived at EDR: 09/17/2024 Date Made Active in Reports: 12/06/2024 Number of Days to Update: 80 Source: Environmental Protection Agency Telephone: (415) 495-8895 Last EDR Contact: 02/19/2025 Next Scheduled EDR Contact: 03/31/2025 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: 10/01/2024 Date Data Arrived at EDR: 11/12/2024 Date Made Active in Reports: 01/21/2025 Number of Days to Update: 70 Source: U.S. Army Corps of Engineers Telephone: 202-528-4285 Last EDR Contact: 02/11/2025 Next Scheduled EDR Contact: 05/26/2025 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: 06/07/2021 Date Data Arrived at EDR: 07/13/2021 Date Made Active in Reports: 03/09/2022 Number of Days to Update: 239 Source: USGS Telephone: 888-275-8747 Last EDR Contact: 01/07/2025 Next Scheduled EDR Contact: 04/21/2025 Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 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: 12/30/2024 Next Scheduled EDR Contact: 04/14/2025 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: 07/30/2021 Date Data Arrived at EDR: 02/03/2023 Date Made Active in Reports: 02/10/2023 Number of Days to Update: 7 Source: Environmental Protection Agency Telephone: 615-532-8599 Last EDR Contact: 02/03/2025 Next Scheduled EDR Contact: 05/19/2025 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: 09/16/2024 Date Data Arrived at EDR: 09/17/2024 Date Made Active in Reports: 12/20/2024 Number of Days to Update: 94 Source: Environmental Protection Agency Telephone: 202-566-1917 Last EDR Contact: 02/19/2025 Next Scheduled EDR Contact: 03/31/2025 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: 01/27/2025 Next Scheduled EDR Contact: 05/12/2025 Data Release Frequency: No Update Planned

2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 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: 01/30/2025 Next Scheduled EDR Contact: 05/12/2025 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: 12/31/2020 Date Data Arrived at EDR: 06/14/2022 Date Made Active in Reports: 03/24/2023 Number of Days to Update: 283 Source: EPA Telephone: 202-260-5521 Last EDR Contact: 12/12/2024 Next Scheduled EDR Contact: 03/24/2025 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: 12/31/2023	Source: EPA
Date Data Arrived at EDR: 02/11/2025	Telephone: 202-566-0250
Date Made Active in Reports: 02/18/2025	Last EDR Contact: 02/11/2025
Number of Days to Update: 7	Next Scheduled EDR Contact: 05/26/2025
	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: 10/15/2024 Date Data Arrived at EDR: 10/16/2024 Date Made Active in Reports: 01/14/2025 Number of Days to Update: 90 Source: EPA Telephone: 202-564-4203 Last EDR Contact: 01/15/2025 Next Scheduled EDR Contact: 04/28/2025 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: 10/24/2024 Date Data Arrived at EDR: 11/01/2024 Date Made Active in Reports: 11/19/2024 Number of Days to Update: 18 Source: EPA Telephone: 703-416-0223 Last EDR Contact: 02/03/2025 Next Scheduled EDR Contact: 03/10/2025 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: 10/01/2024 Date Data Arrived at EDR: 10/23/2024 Date Made Active in Reports: 01/14/2025 Number of Days to Update: 83 Source: Environmental Protection Agency Telephone: 202-564-8600 Last EDR Contact: 01/09/2025 Next Scheduled EDR Contact: 04/28/2025 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: 09/19/2023	Source: EPA
Date Data Arrived at EDR: 10/03/2023	Telephone: 202-564-6023
Date Made Active in Reports: 10/19/2023	Last EDR Contact: 02/03/2025
Number of Days to Update: 16	Next Scheduled EDR Contact: 05/12/2025
	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: 07/01/2024		
Date Data Arrived at EDR: 10/02/2024		
Date Made Active in Reports: 01/10/2025		
Number of Days to Update: 100		

Source: EPA Telephone: 202-566-0500 Last EDR Contact: 01/02/2025 Next Scheduled EDR Contact: 04/14/2025 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: 12/23/2024 Next Scheduled EDR Contact: 04/14/2025 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	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	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: 10/12/2024	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 10/17/2024	Telephone: 301-415-0717
Date Made Active in Reports: 11/19/2024	Last EDR Contact: 01/09/2025
Number of Days to Update: 33	Next Scheduled EDR Contact: 04/28/2025
	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: 12/31/2023	So
Date Data Arrived at EDR: 10/16/2024	Те
Date Made Active in Reports: 01/14/2025	La
Number of Days to Update: 90	Ne
	-

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 11/20/2024 Next Scheduled EDR Contact: 03/10/2025 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: 11/20/2024 Next Scheduled EDR Contact: 03/10/2025 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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 01/30/2025
Number of Days to Update: 96	Next Scheduled EDR Contact: 05/12/2025 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: 12/17/2024 Next Scheduled EDR Contact: 04/07/2025 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.

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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: 10/04/2024 Date Data Arrived at EDR: 10/16/2024	Source: Department of Transporation, Office of Pipeline Safety Telephone: 202-366-4595
Date Made Active in Reports: 12/06/2024	Last EDR Contact: 01/22/2025
Number of Days to Update: 51	Next Scheduled EDR Contact: 05/05/2025
	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.

periodically by Officed States District Courts a	inter settiement by parties to inigation matters.
Date of Government Version: 09/30/2024 Date Data Arrived at EDR: 10/09/2024 Date Made Active in Reports: 01/10/2025 Number of Days to Update: 93	Source: Department of Justice, Consent Decree Library Telephone: Varies Last EDR Contact: 12/30/2024 Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: Varies
	system administered by the EPA that collects data on the generation aptures detailed data from two groups: Large Quantity Generators (LQG) ies.
Date of Government Version: 12/31/2021 Date Data Arrived at EDR: 03/09/2023 Date Made Active in Reports: 03/20/2023 Number of Days to Update: 11	Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 12/12/2024 Next Scheduled EDR Contact: 03/31/2025 Data Release Frequency: Biennially
INDIAN RESERV: Indian Reservations This map layer portrays Indian administered la than 640 acres.	ands of the United States that have any area equal to or greater
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: 12/30/2024 Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: Semi-Annually
	Program Remedial Action Program (FUSRAP) in 1974 to remediate sites where nhattan Project and early U.S. Atomic Energy Commission (AEC) operations.
Date of Government Version: 03/03/2023 Date Data Arrived at EDR: 03/03/2023 Date Made Active in Reports: 06/09/2023 Number of Days to Update: 98	Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 01/23/2025 Next Scheduled EDR Contact: 05/12/2025 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: 05/08/2024 Date Data Arrived at EDR: 08/14/2024 Date Made Active in Reports: 08/28/2024 Number of Days to Update: 14 Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 02/06/2025 Next Scheduled EDR Contact: 05/26/2025 Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/19/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/21/2025 Number of Days to Update: 19 Source: Environmental Protection Agency Telephone: 703-603-8787 Last EDR Contact: 02/03/2025 Next Scheduled EDR Contact: 04/07/2025 Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

Number of Days to Update: 50

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	
MINES VIOLATIONS: MSHA Violation Assessment Mines violation and assessment information. D	: Data Department of Labor, Mine Safety & Health Administration.	
Date of Government Version: 10/01/2024 Date Data Arrived at EDR: 10/02/2024 Date Made Active in Reports: 10/09/2024 Number of Days to Update: 7	Source: DOL, Mine Safety & Health Admi Telephone: 202-693-9424 Last EDR Contact: 02/19/2025 Next Scheduled EDR Contact: 06/02/2025 Data Release Frequency: Quarterly	
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: 11/01/2024 Date Data Arrived at EDR: 11/18/2024 Date Made Active in Reports: 02/11/2025 Number of Days to Update: 85	Source: Department of Labor, Mine Safety and Health Administration Telephone: 303-231-5959 Last EDR Contact: 02/18/2025 Next Scheduled EDR Contact: 06/02/2025 Data Release Frequency: Semi-Annually	
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: 05/02/2024 Date Data Arrived at EDR: 08/20/2024 Date Made Active in Reports: 10/09/2024	Source: USGS Telephone: 703-648-7709 Last EDR Contact: 11/22/2024	

Next Scheduled EDR Contact: 03/03/2025

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: 11/22/2024 Next Scheduled EDR Contact: 03/03/2025 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: 12/10/2024 Date Data Arrived at EDR: 12/11/2024 Date Made Active in Reports: 02/18/2025 Number of Days to Update: 69 Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 12/10/2024 Next Scheduled EDR Contact: 03/17/2025 Data Release Frequency: Quarterly

MINES MRDS: Mineral Resources Data System Mineral Resources Data System

> Date of Government Version: 06/04/2024 Date Data Arrived at EDR: 11/22/2024 Date Made Active in Reports: 02/18/2025 Number of Days to Update: 88

Source: USGS Telephone: 703-648-6533 Last EDR Contact: 11/22/2024 Next Scheduled EDR Contact: 03/03/2025 Data Release Frequency: Varies

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: 11/11/2024 Date Data Arrived at EDR: 11/20/2024 Date Made Active in Reports: 02/18/2025 Number of Days to Update: 90 Source: EPA Telephone: (415) 947-8000 Last EDR Contact: 11/20/2024 Next Scheduled EDR Contact: 03/10/2025 Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023 Date Data Arrived at EDR: 09/13/2023 Date Made Active in Reports: 12/11/2023 Number of Days to Update: 89 Source: Department of Defense Telephone: 703-704-1564 Last EDR Contact: 01/06/2025 Next Scheduled EDR Contact: 04/21/2025 Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 05/06/2021 Date Data Arrived at EDR: 05/21/2021 Date Made Active in Reports: 08/11/2021 Number of Days to Update: 82 Source: Environmental Protection Agency Telephone: 202-564-0527 Last EDR Contact: 02/12/2025 Next Scheduled EDR Contact: 06/02/2025 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: 12/21/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/27/2024	Telephone: 202-564-2280
Date Made Active in Reports: 01/10/2025	Last EDR Contact: 12/27/2024
Number of Days to Update: 14	Next Scheduled EDR Contact: 04/14/2025 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: 11/08/2024 Date Data Arrived at EDR: 11/08/2024 Date Made Active in Reports: 01/14/2025 Number of Days to Update: 67 Source: EPA Telephone: 800-385-6164 Last EDR Contact: 02/13/2025 Next Scheduled EDR Contact: 05/26/2025 Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/10/2025 Number of Days to Update: 8 Source: Environmental Protection Agency Telephone: 703-603-8895 Last EDR Contact: 01/02/2025 Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 12/30/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/02/2025	Telephone: 202-272-0167
Date Made Active in Reports: 01/10/2025	Last EDR Contact: 01/02/2025
Number of Days to Update: 8	Next Scheduled EDR Contact: 04/14/2025
	Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/10/2025 Number of Days to Update: 8 Source: Environmental Protection Agency Telephone: 202-566-0250 Last EDR Contact: 01/02/2025 Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 12/30/2024	Sou
Date Data Arrived at EDR: 01/02/2025	Tele
Date Made Active in Reports: 01/10/2025	Last
Number of Days to Update: 8	Next
	-

Source: Environmental Protection Agency Telephone: 202-272-0167 Last EDR Contact: 01/02/2025 Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 12/30/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/02/2025	Telephone: 202-272-0167
Date Made Active in Reports: 01/10/2025	Last EDR Contact: 10/02/2024
Number of Days to Update: 8	Next Scheduled EDR Contact: 04/14/2025
	Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020 Date Data Arrived at EDR: 03/17/2021 Date Made Active in Reports: 11/08/2022 Number of Days to Update: 601 Source: Department of Health & Human Services Telephone: 202-741-5770 Last EDR Contact: 01/16/2025 Next Scheduled EDR Contact: 05/05/2025 Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 12/13/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/02/2025	Telephone: 202-272-0167
Date Made Active in Reports: 01/10/2025	Last EDR Contact: 01/02/2025
Number of Days to Update: 8	Next Scheduled EDR Contact: 04/14/2025
	Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/14/2025 Number of Days to Update: 12 Source: Environmental Protection Agency Telephone: 202-272-0167 Last EDR Contact: 01/02/2025 Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: Varies

PFAS PROJECT: NORTHEASTERN UNIVERSITY PFAS PROJECT

The PFAS Contamination Site Tracker records qualitative and quantitative data from each site in a chart, specifically examining discovery, contamination levels, government response, litigation, health impacts, media coverage, and community characteristics. All data presented in the chart were extracted from government websites, such as state health departments or the Environmental Protection Agency, and news articles.

Date of Government Version: 05/19/2023 Date Data Arrived at EDR: 04/05/2024 Date Made Active in Reports: 06/06/2024 Number of Days to Update: 62 Source: Social Science Environmental Health Research Institute Telephone: N/A Last EDR Contact: 12/05/2024 Next Scheduled EDR Contact: 03/17/2025 Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 12/30/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/02/2025	Telephone: 202-272-0167
Date Made Active in Reports: 01/10/2025	Last EDR Contact: 01/02/2025
Number of Days to Update: 8	Next Scheduled EDR Contact: 04/14/2025
	Data Release Frequency: Varies

PFAS ECHO FIRE TRAIN: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/10/2025 Number of Days to Update: 8 Source: Environmental Protection Agency Telephone: 202-272-0167 Last EDR Contact: 01/02/2025 Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: Varies

PFAS PT 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/10/2025 Number of Days to Update: 8 Source: Environmental Protection Agency Telephone: 202-272-0167 Last EDR Contact: 01/02/2025 Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/10/2025 Number of Days to Update: 8	Source: Environmental Protection Agency Telephone: 202-267-2675 Last EDR Contact: 01/02/2025 Next Scheduled EDR Contact: 04/14/2025 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: 12/23/2024 Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: Varies
· · · ·	tion system that contains data on National Pollutant Discharge Elimination S tracks the permit, compliance, and enforcement status of NPDES

Date of Government Version: 12/16/2016 Date Data Arrived at EDR: 01/06/2017 Date Made Active in Reports: 03/10/2017 Number of Days to Update: 63

Source: EPA, Office of Water Telephone: 202-564-2496 Last EDR Contact: 12/23/2024 Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: No Update Planned

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 10/13/2024	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/16/2024	Telephone: 202-564-4700
Date Made Active in Reports: 10/23/2024	Last EDR Contact: 01/14/2025
Number of Days to Update: 7	Next Scheduled EDR Contact: 04/28/2025
	Data Release Frequency: Varies

UST FINDER RELEASE: UST Finder Releases Database

US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023 Date Data Arrived at EDR: 10/31/2023 Date Made Active in Reports: 01/18/2024 Number of Days to Update: 79 Source: Environmental Protecton Agency Telephone: 202-564-0394 Last EDR Contact: 02/06/2025 Next Scheduled EDR Contact: 05/19/2025 Data Release Frequency: Semi-Annually

UST FINDER: UST Finder Database

EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories. UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023	
Date Data Arrived at EDR: 10/04/2023	
Date Made Active in Reports: 01/18/2024	
Number of Days to Update: 106	

Source: Environmental Protection Agency Telephone: 202-564-0394 Last EDR Contact: 02/06/2025 Next Scheduled EDR Contact: 05/19/2025 Data Release Frequency: Varies

E MANIFEST: Hazardous Waste Electronic Manifest System

EPA established a national system for tracking hazardous waste shipments electronically. This system, known as ?e-Manifest,? will modernize the nation?s cradle-to-grave hazardous waste tracking process while saving valuable time, resources, and dollars for industry and states.

Date of Government Version: 09/16/2024	
Date Data Arrived at EDR: 09/17/2024	
Date Made Active in Reports: 12/20/2024	
Number of Days to Update: 94	

Source: Environmental Protection Agency Telephone: 833-501-6826 Last EDR Contact: 02/19/2025 Next Scheduled EDR Contact: 03/31/2025 Data Release Frequency: Varies

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: 09/22/2021	
Date Data Arrived at EDR: 05/03/2022	
Date Made Active in Reports: 07/20/2022	
Number of Days to Update: 78	

Source: Department of Environmental Quality Telephone: 602-364-3118 Last EDR Contact: 01/22/2025 Next Scheduled EDR Contact: 05/12/2025 Data Release Frequency: Varies

AQUEOUS FOAM: Aqueous Film Forming Foam Listing

When AFFF is used, discharged or released to the environment, containment and cleanup may be required to prevent future adverse health or environmental impacts.

Date of Government Version: 11/14/2020	Source: Department of Environmenatl Quality
Date Data Arrived at EDR: 03/22/2022	Telephone: 602-771-6145
Date Made Active in Reports: 04/26/2022	Last EDR Contact: 01/22/2025
Number of Days to Update: 35	Next Scheduled EDR Contact: 05/12/2025
	Data Release Frequency: Varies

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: 10/03/2024	Source: Department of Environmental Quality
Date Data Arrived at EDR: 10/04/2024	Telephone: 602-771-2344
Date Made Active in Reports: 12/19/2024	Last EDR Contact: 12/16/2024
Number of Days to Update: 76	Next Scheduled EDR Contact: 04/07/2025
	Data Release Frequency: Semi-Annually

AQUIFER: Aquifer Protection Permits List

Facilities with an Aquifer Protection permit (APP), that discharges either directly to an aquifer or to the land surface or the vadose zone in such a manner that there is a reasonable probability that the pollutant will reach an aquifer.

Date of Government Version: 11/04/2024 Date Data Arrived at EDR: 11/06/2024 Date Made Active in Reports: 01/28/2025 Number of Days to Update: 83 Source: Department of Environmental Quality Telephone: 602-771-4623 Last EDR Contact: 01/30/2025 Next Scheduled EDR Contact: 05/19/2025 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: 03/31/2023 Date Data Arrived at EDR: 05/17/2023 Date Made Active in Reports: 08/04/2023 Number of Days to Update: 79 Source: Department of Environmental Quality Telephone: 602-771-4360 Last EDR Contact: 02/05/2025 Next Scheduled EDR Contact: 05/26/2025 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.

Source: Department of Environmental Quality
Telephone: 602-771-4686
Last EDR Contact: 02/05/2025
Next Scheduled EDR Contact: 05/26/2025
Data Release Frequency: Semi-Annually

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

> Date of Government Version: 06/17/2019 Date Data Arrived at EDR: 07/20/2020 Date Made Active in Reports: 10/07/2020 Number of Days to Update: 79

Source: Department of Environmental Quality Telephone: 602-771-4335 Last EDR Contact: 12/04/2024 Next Scheduled EDR Contact: 03/24/2025 Data Release Frequency: No Update Planned

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: 11/22/2024 Date Data Arrived at EDR: 11/22/2024 Date Made Active in Reports: 02/14/2025 Number of Days to Update: 84 Source: Department of Environmental Quality Telephone: 602-771-4380 Last EDR Contact: 02/19/2025 Next Scheduled EDR Contact: 06/09/2025 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: 10/21/2024 Date Data Arrived at EDR: 10/23/2024 Date Made Active in Reports: 01/13/2025 Number of Days to Update: 82 Source: Department of Environmental Quality Telephone: 602-771-4424 Last EDR Contact: 01/15/2025 Next Scheduled EDR Contact: 05/05/2025 Data Release Frequency: Varies

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

Date of Government Version: 09/12/2024 Date Data Arrived at EDR: 09/18/2024 Date Made Active in Reports: 09/25/2024 Number of Days to Update: 7

Source: Department of Environmental Quality Telephone: 602-771-4258 Last EDR Contact: 12/10/2024 Next Scheduled EDR Contact: 03/31/2025 Data Release Frequency: Varies

AZ MANIFEST: Manifest Information Hazardous waste manifest information

> Date of Government Version: 12/31/2018 Date Data Arrived at EDR: 06/15/2021 Date Made Active in Reports: 09/09/2021 Number of Days to Update: 86

Source: Department of Environmental Quality Telephone: N/A Last EDR Contact: 12/04/2024 Next Scheduled EDR Contact: 03/24/2025 Data Release Frequency: Annually

NPDES: Notice of Intent Construction Stormwater NPDES permit sites	General Permits Database
Date of Government Version: 09/26/2024 Date Data Arrived at EDR: 10/03/2024 Date Made Active in Reports: 10/15/2024 Number of Days to Update: 12	Source: Department of Environmental Quality Telephone: 602-771-4424 Last EDR Contact: 12/23/2024 Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: Varies
VAPOR: Vapor Intrusion A listing of vapor intrusion site locations	
Date of Government Version: 04/21/2021 Date Data Arrived at EDR: 04/22/2021 Date Made Active in Reports: 07/09/2021 Number of Days to Update: 78	Source: Department of Environmental Quality Telephone: 602-771-4197 Last EDR Contact: 12/16/2024 Next Scheduled EDR Contact: 04/07/2025 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: 01/15/2025 Next Scheduled EDR Contact: 05/05/2025 Data Release Frequency: Varies
WWFAC: Waste Water Treatment Facilities Statewide list of waste water treatment facilitie	es.
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: 01/08/2025 Next Scheduled EDR Contact: 04/28/2025 Data Release Frequency: Varies
DRYWELLS HIST: Historical Drywells Listing Historical listing of registered drywells once maintained and made available by the Arizona Department of Environmental Quality (ADEQ) Water Quality Division. In April 2018, ADEQ stopped accepting paper forms and will no longer be undering this list.	

be updating this list.

Date of Government Version: 04/30/2018 Date Data Arrived at EDR: 09/26/2024 Date Made Active in Reports: 10/15/2024 Number of Days to Update: 19 Source: Department of Environmental Quality Telephone: 602-771-4686 Last EDR Contact: 02/05/2025 Next Scheduled EDR Contact: 05/26/2025 Data Release Frequency: No Update Planned

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	Source: Department of Environmental Quality
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/15/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 198	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

COUNTY RECORDS

PIMA COUNTY:

LF TUCSON: City of Tucson Landfills Listing

Location and area of landfills owned by the City of Tucson.

Date of Government Version: 02/12/2024Source: Tucson Department of Environmental and General ServicesDate Data Arrived at EDR: 04/04/2024Telephone: 520-791-3171Date Made Active in Reports: 06/24/2024Last EDR Contact: 12/23/2024Number of Days to Update: 81Next Scheduled EDR Contact: 07/15/2024Data 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: 11/04/2024	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 11/05/2024	Telephone: 860-424-3375
Date Made Active in Reports: 01/27/2025	Last EDR Contact: 02/04/2025
Number of Days to Update: 83	Next Scheduled EDR Contact: 05/19/2025
	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: 12/31/2019 Date Data Arrived at EDR: 11/30/2023 Date Made Active in Reports: 12/01/2023 Number of Days to Update: 1 Source: Department of Environmental Conservation Telephone: 518-402-8651 Last EDR Contact: 01/23/2025 Next Scheduled EDR Contact: 05/05/2025 Data Release Frequency: Quarterly

RI MANIFEST: Manifest information Hazardous waste manifest information

Date of Government Version: 12/31/2020 Date Data Arrived at EDR: 11/30/2021 Date Made Active in Reports: 02/18/2022 Number of Days to Update: 80 Source: Department of Environmental Management Telephone: 401-222-2797 Last EDR Contact: 02/06/2025 Next Scheduled EDR Contact: 05/26/2025 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: 11/27/2024 Next Scheduled EDR Contact: 03/17/2025 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

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, 2010 and 2015 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

CAVE CREEK MARICOPA COUNTY, ARIZONA TONTO NATIONAL FORES, AZ 00199

TARGET PROPERTY COORDINATES

Latitude (North):	33.93662 - 33° 56' 11.83"
Longitude (West):	111.950451 - 111° 57' 1.62"
Universal Tranverse Mercator:	Zone 12
UTM X (Meters):	412159.3
UTM Y (Meters):	3755341.0
Elevation:	2560 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	50000688 NEW RIVER MESA, AZ
Version Date:	2021

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.

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).

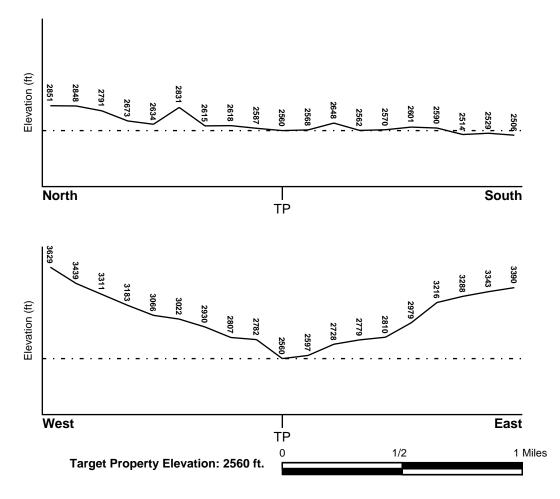
TOPOGRAPHIC INFORMATION

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 East

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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.

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
04013C0490L	FEMA FIRM Flood data
Additional Panels in search area:	FEMA Source Type
04013C0425E 04013C0415E	FEMA Q3 Flood data FEMA Q3 Flood data
NATIONAL WETLAND INVENTORY	
NWI Quad at Target Property NEW RIVER MESA	NWI Electronic <u>Data Coverage</u> 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 Not Reported LOCATION FROM TP GENERAL DIRECTION GROUNDWATER FLOW

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

GEOLOGIC AGE IDENTIFICATION

Era:	Cenozoic Ca	ategory:	Volcanic Rocks
System:	Tertiary		
Series:	Pliocene volcanic rocks		
Code:	Tpv (decoded above as Era, System & Series)	

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

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Component Name:	FRAGUA	
Soil Surface Texture:	very cobbly - fine 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:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.	
Hydric Status: Soil does not meet the requirements for a hydric soil.		

Corrosion Potential - Uncoated Steel: LOW

Depth to Bedrock Min:	> 40 inches
	> +0 1101103

Depth to Bedrock Max: > 60 inches

Soil Layer Information							
	Bou	Indary		Classi	ication		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reactior (pH)
1	0 inches	3 inches	very cobbly - fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel. COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel.	Max: 6.00 Min: 2.00	Max: 7.80 Min: 7.40
2	3 inches	16 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 7.80 Min: 7.40
3	16 inches	45 inches	loamy fine 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: 20.00 Min: 6.00	Max: 7.80 Min: 7.40
4	45 inches	49 inches	unweathered bedrock	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

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

Soil Surface Textures:	unweathered bedrock loam
Surficial Soil Types:	unweathered bedrock loam
Shallow Soil Types:	clay loam cobbly - sandy clay
Deeper Soil Types:	very gravelly - loamy sand

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

		LOCATION
MAP ID	WELL ID	FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

		LOCATION
MAP ID	WELL ID	FROM TP
No DWC Custom Found		

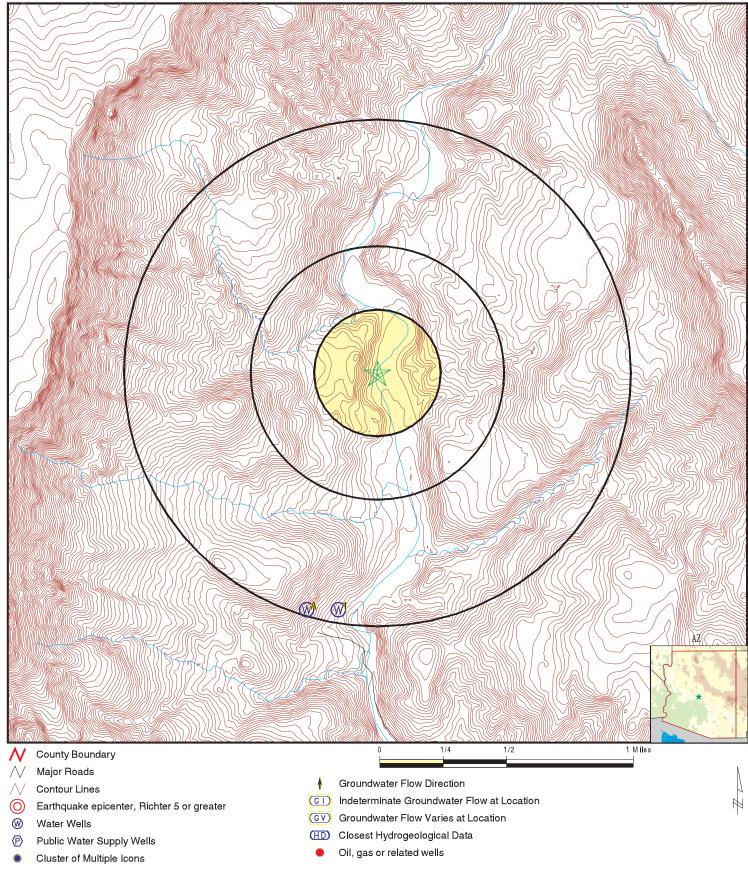
No PWS System Found

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1 A2 A3 A4	AZDWR1200075492 AZDWR1200072429 AZDWR1200186079 AZDWR1200048695	1/2 - 1 Mile South 1/2 - 1 Mile SSW 1/2 - 1 Mile SSW 1/2 - 1 Mile SSW

PHYSICAL SETTING SOURCE MAP - 7904702.2s



ADDRESS:	Tonto National Fores AZ 00199	INQUIRY #:	Westland Resources Samantha Blonder 7904702.2s February 20, 2025 4:23 pm
		Copyright © 2025 EDR, Inc. © 2015 TomTom Rel. 2015.	

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation

uth : - 1 Mile wer			AZ WELLS	AZDWR120007549
Program: Owner Name: Well Type Group: Basin Name: Application: Installed Date: Casing Type: AMA or INA: Casing Diameter (in): Pump Type: Pump Rate: Draw Down: Well Cancelled: Watershed:	55 KOSKASKA, CHARLES,J OTHER PHOENIX AMA 13-AUG-92 31-AUG-92 NO CASING CODE LISTED PHOENIX 0 NO PUMP CODE LISTED 0 0 Y SALT RIVER	Registry ID: Well Type: Water Use: Driller License #: Approved: Well Depth (ft): Water Level (ft): Casing Depth (ft): RGR Pump Data: Pump Power: Tested Rate: Completion: Driller Log:	NO WATEF 83 Not Reporte 10 0 0 NO	

A2 SSW 1/2 - 1 Mile Higher

Program: Owner Name: Well Type Group: Basin Name: Application: Installed Date: Casing Type: AMA or INA: Casing Diameter (in): Pump Type: Pump Rate: Draw Down: Well Cancelled: Watershed: 55 KOKASKA, FRANGENE, OTHER PHOENIX AMA 08-AUG-91 25-AUG-91 NO CASING CODE LISTED PHOENIX 0 NO PUMP CODE LISTED 0 0 Y SALT RIVER

Registry ID:532694Well Type:SPCL - EXPLORATIONWater Use:NO WATER USEDriller License #:83

Approved:

Well Depth (ft):

Water Level (ft):

Casing Depth (ft):

RGR Pump Data:

Pump Power:

Tested Rate:

Completion:

Driller Log:

83 Not Reported 0 0 NO NO NO POWER CODE LISTED 0 N X

A3 SSW 1/2 - 1 Mile Higher

Program: Owner Name: Well Type Group: Basin Name: Application: Installed Date: Casing Type: AMA or INA: Casing Diameter (in): Pump Type: Pump Rate: 55 KOKASKA, FRANCENE, EXEMPT PHOENIX AMA 04-OCT-85 01-JAN-81 NO CASING CODE LISTED PHOENIX 0 NO PUMP CODE LISTED 7 Registry ID: Well Type: Water Use: Driller License #: Approved: Well Depth (ft): Water Level (ft): Casing Depth (ft): RGR Pump Data: Pump Power: Tested Rate:

803075 EXEMPT INDUSTRIAL, MONITORING 0 Not Reported 8 0 0 NO NO NO POWER CODE LISTED 0

AZ WELLS AZDWR1200072429

AZ WELLS AZDWR1200186079

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Draw Down: Well Cancelled: Watershed: 0 Not Reported SALT RIVER Completion: Driller Log: Not Reported Not Reported

AZ WELLS

AZDWR1200048695

A4 SSW 1/2 - 1 Mile Higher

ignei			
Program:	55	Registry ID:	508174
Owner Name:	KOKASKA, FRANCENE,	Well Type:	EXEMPT
Well Type Group:	EXEMPT	Water Use:	DOMESTIC
Basin Name:	PHOENIX AMA	Driller License #:	144
Application:	25-MAY-84	Approved:	Not Reported
Installed Date:	06-SEP-83	Well Depth (ft):	300
Casing Type:	STEEL - PERFORATED OR SLOTTE	D CASING	
Water Level (ft):	0	AMA or INA:	PHOENIX
Casing Depth (ft):	20	Casing Diameter (in):	7
RGR Pump Data:	NO	Pump Type:	CENTRIFUGAL
Pump Power:	GASOLINE ENGINE 1 - 5 HP	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Completion:	Х	Well Cancelled:	Not Reported
Driller Log:	Х	Watershed:	SALT RIVER

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%

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, 2010 and 2015 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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APPENDIX F Historical Topographic Maps Cave Creek Maricopa County, Arizona Tonto National Fores, AZ 00199

Inquiry Number: 7904702.4 February 20, 2025

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

Site Name: Cave Creek

Maricopa County, Arizona

EDR Inquiry # 7904702.4

Tonto National Fores, AZ 0019

Client Name:

Westland Resources 4001 E. Paradise Falls Drive Tucson, AZ 85712 Contact: Samantha Blonder



02/20/25

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Westland Resources 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 Resu	lts:	Coordinates:	Coordinates:		
P.O.#	bill to us	Latitude:	33.93662 33° 56' 12" North		
Project:	13095 Cave Creek Phase I	Longitude:	-111.950451 -111° 57' 2" West		
-		UTM Zone:	Zone 12 North		
		UTM X Meters:	412161.25		
		UTM Y Meters:	3755535.32		
		Elevation:	2561.31' above sea level		
Maps Provide	ed:				
2021					
2018					
2014					
2004					
1978					
1964					
1939					
1930					

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Topo Sheet Key

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

2021 Source Sheets



New River Mesa 2021 7.5-minute, 24000

2018 Source Sheets



New River Mesa 2018 7.5-minute, 24000

2014 Source Sheets



New River Mesa 2014 7.5-minute, 24000

2004 Source Sheets



New River Mesa 2004 7.5-minute, 24000 Aerial Photo Revised 2003

Topo Sheet Key

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

1978 Source Sheets



New River Mesa 1978 7.5-minute, 24000 Aerial Photo Revised 1964

1964 Source Sheets



New River Mesa 1964 7.5-minute, 24000 Aerial Photo Revised 1962

1939 Source Sheets

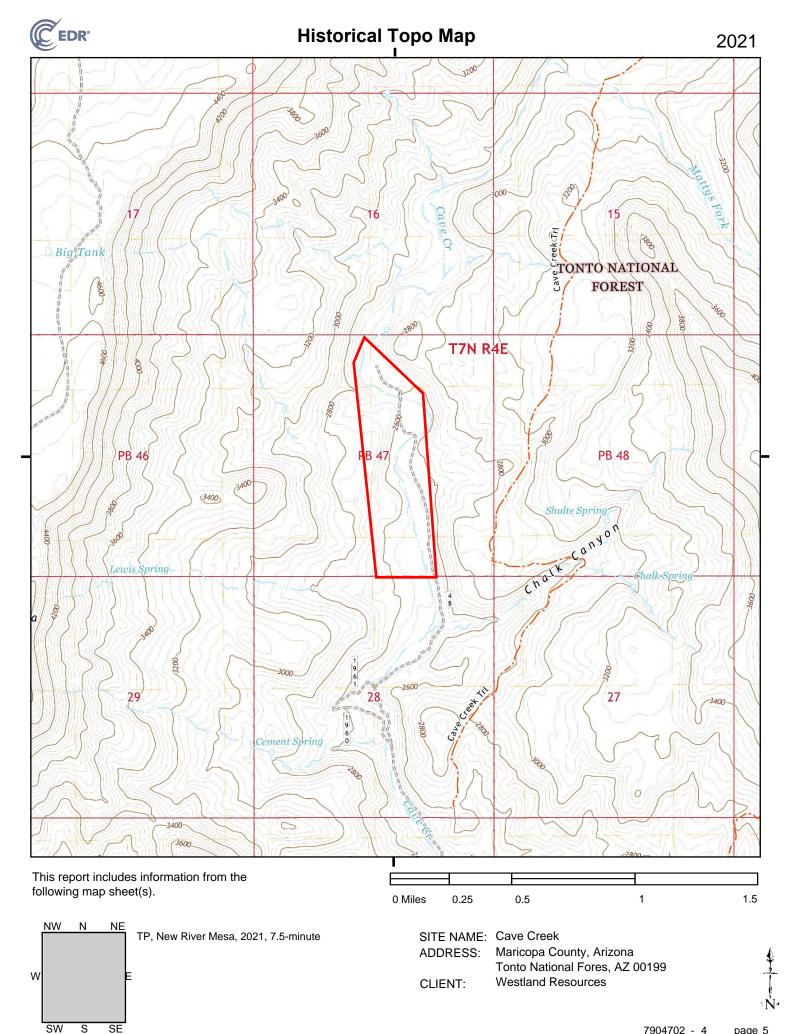


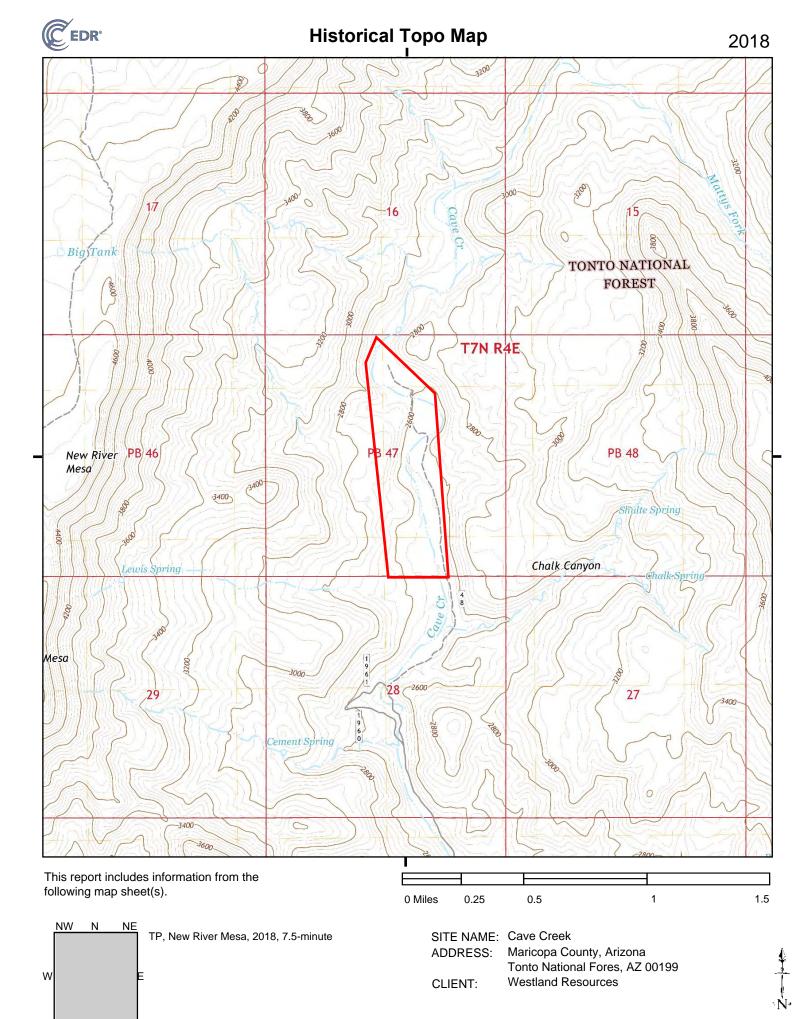
Cave Creek 1939 30-minute, 125000

1930 Source Sheets



Cave Creek 1930 30-minute, 96000





SW

S

SE

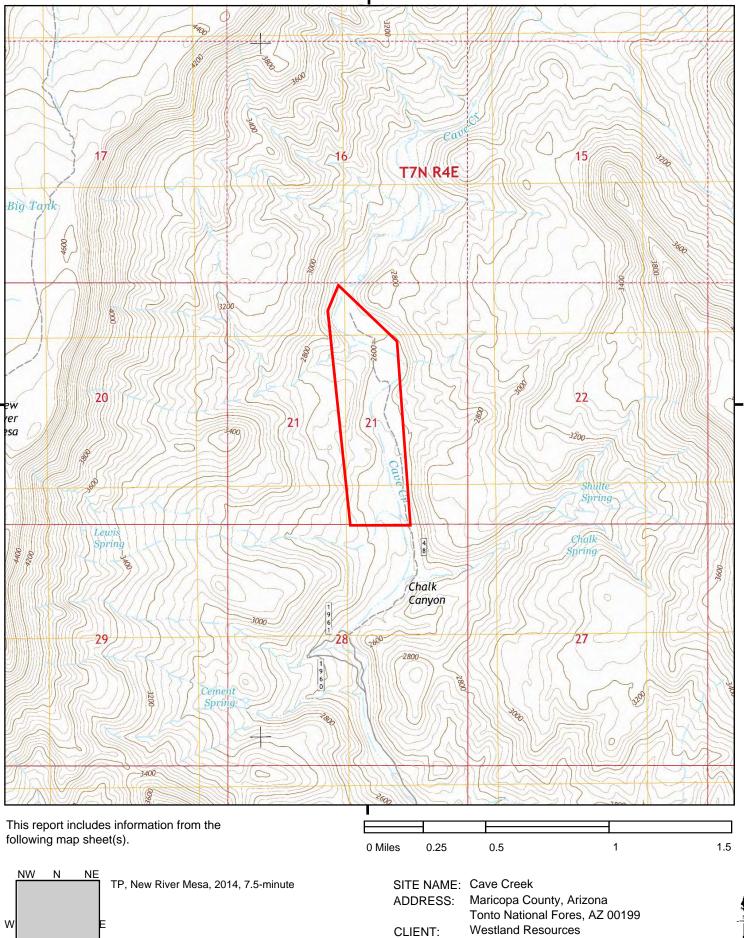


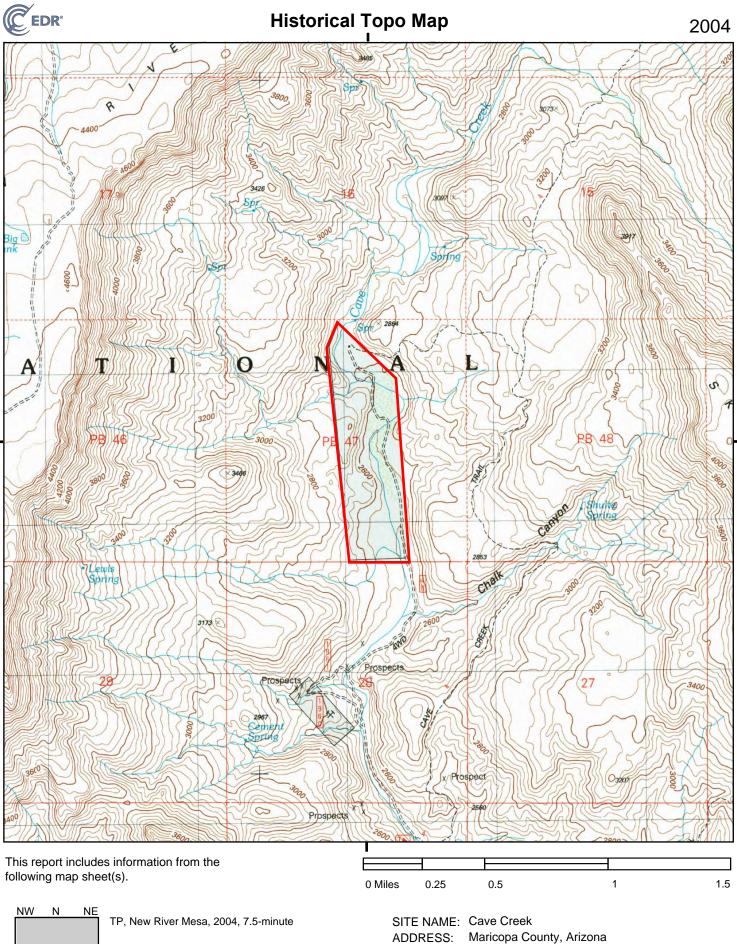
SW

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Historical Topo Map





E SW S SE

W

Tonto National Fores, AZ 00199

Westland Resources

CLIENT:

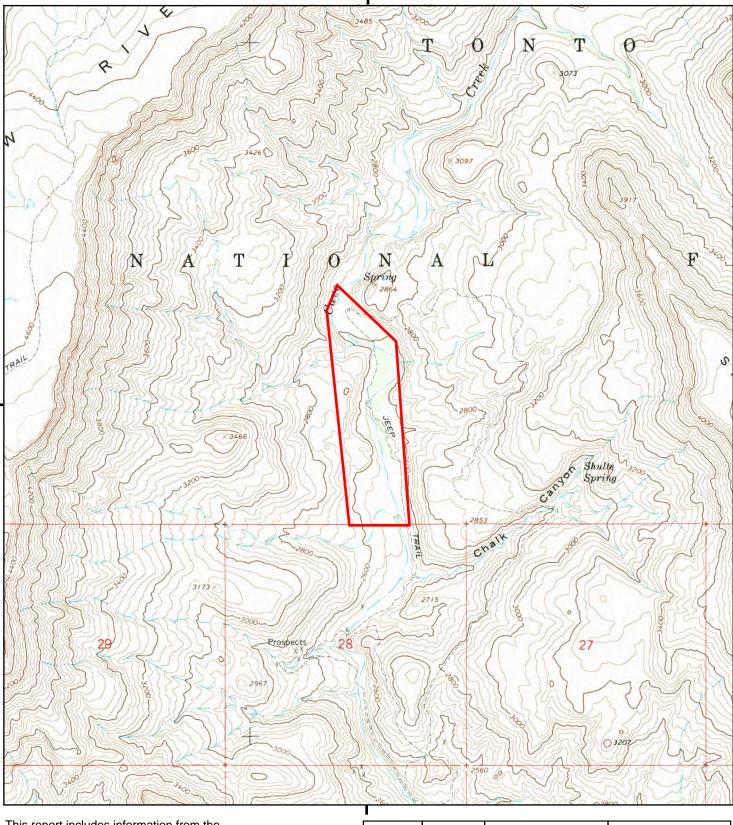


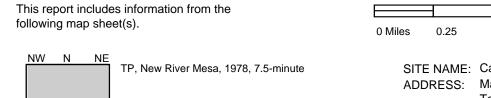
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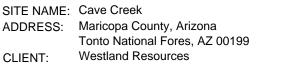
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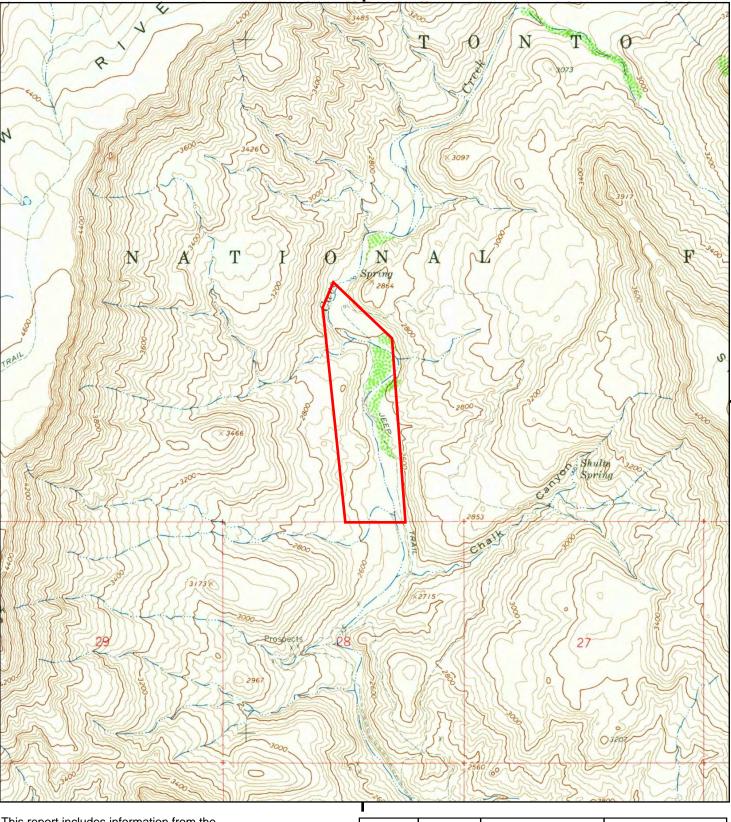
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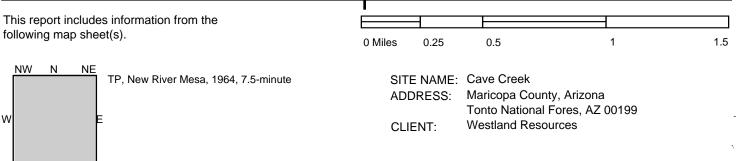


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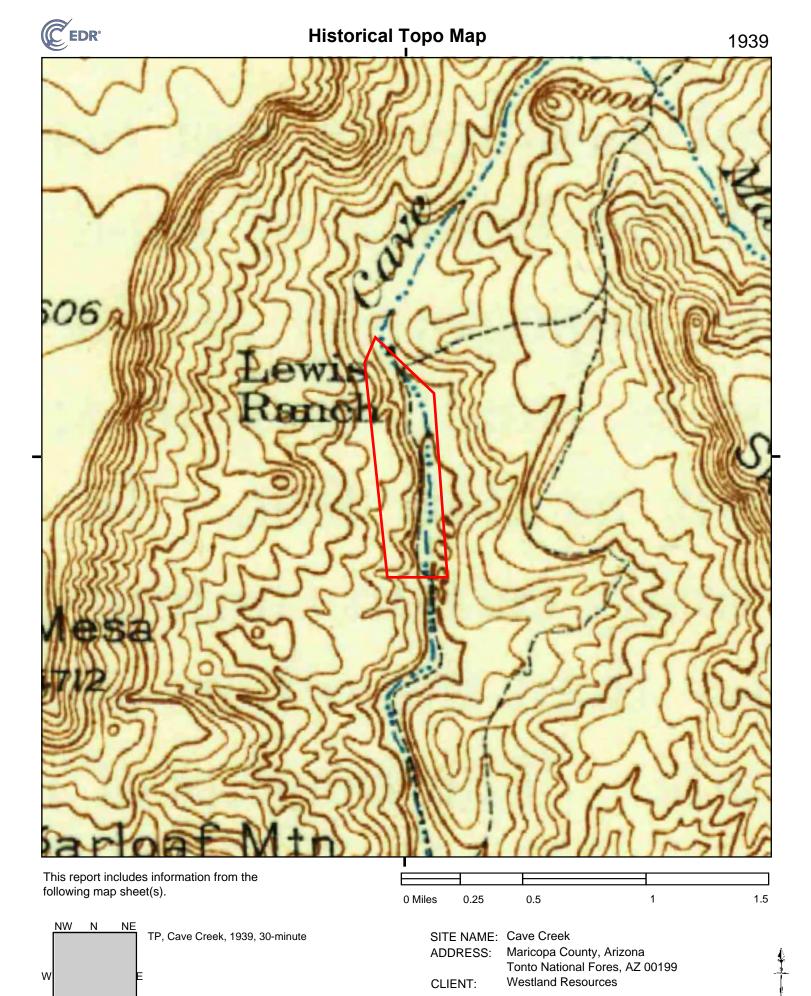
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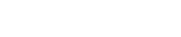
SE





1964

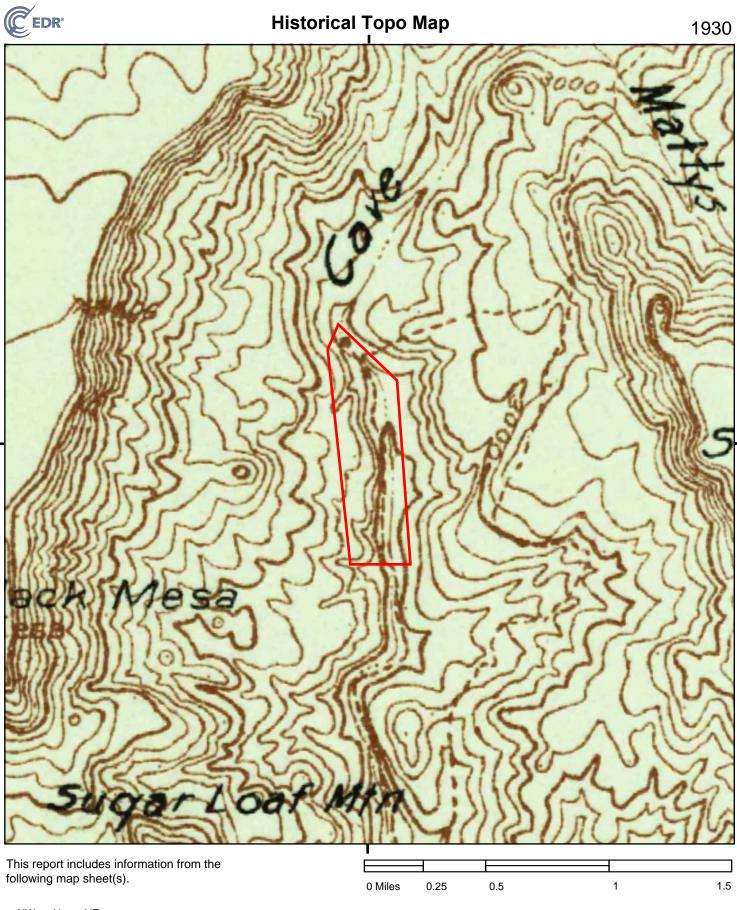


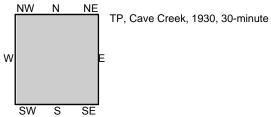


SW

S

SE





SITE NAME:	Cave Creek
ADDRESS:	Maricopa County, Arizona
	Tonto National Fores, AZ 00199
CLIENT:	Westland Resources

APPENDIX G Historical Aerial Photographs

Cave Creek

Maricopa County, Arizona Tonto National Fores, AZ 00199

Inquiry Number: 7904702.11 February 21, 2025

The EDR Aerial Photo Decade Package



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

EDR Aerial Photo Decade Package

Site Name:

Client Name:

Cave Creek

Maricopa County, Arizona Tonto National Fores, AZ 0019 EDR Inquiry # 7904702.11

Westland Resources 4001 E. Paradise Falls Drive Tucson, AZ 85712 Contact: Samantha Blonder



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

Search Results:

Year	Scale	Details	Source	
2019	1"=750'	Flight Year: 2019	USDA/NAIP	
2015	1"=750'	Flight Year: 2015	USDA/NAIP	
2010	1"=750'	Flight Year: 2010	USDA/NAIP	
2007	1"=750'	Flight Year: 2007	USDA/NAIP	
2003	1"=750'	Acquisition Date: January 01, 2003	USGS/DOQQ	
1992	1"=750'	Acquisition Date: January 01, 1992	USGS/DOQQ	
1981	1"=750'	Flight Date: May 21, 1981	USDA	
1970	1"=750'	Flight Date: October 08, 1970	USGS	
1962	1"=750'	Flight Date: September 29, 1962	USGS	
1953	1"=750'	Flight Date: May 08, 1953	USGS	

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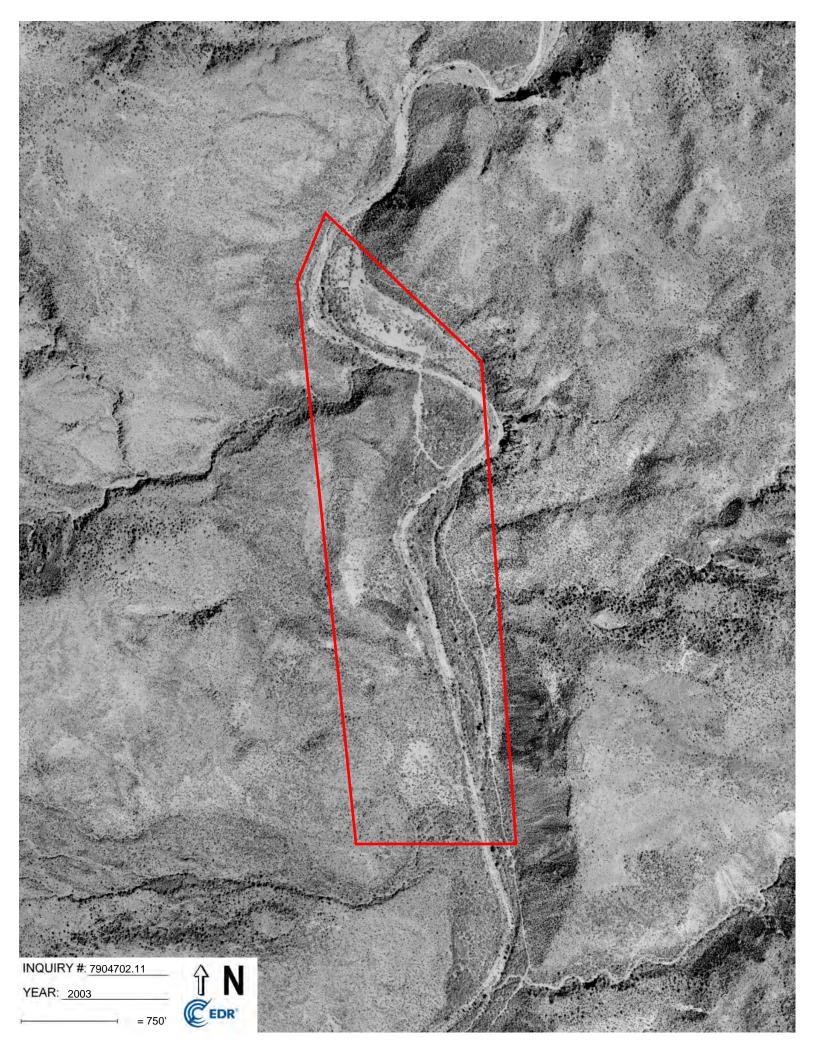
02/21/25

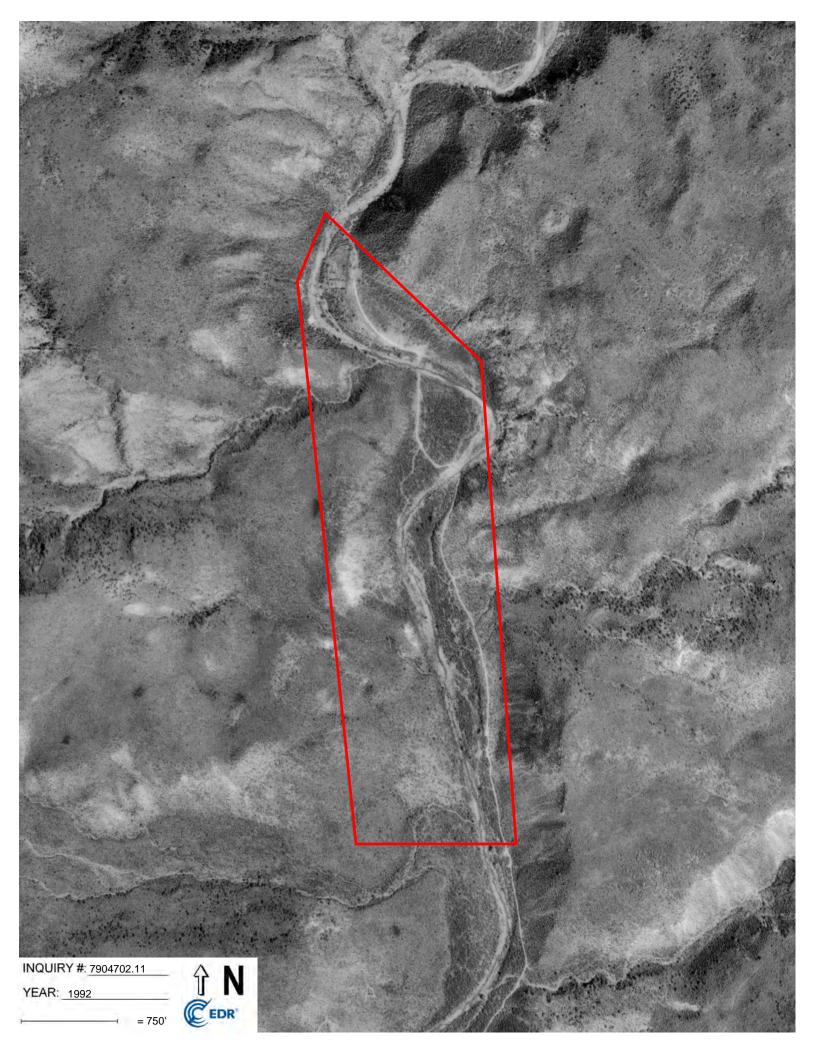


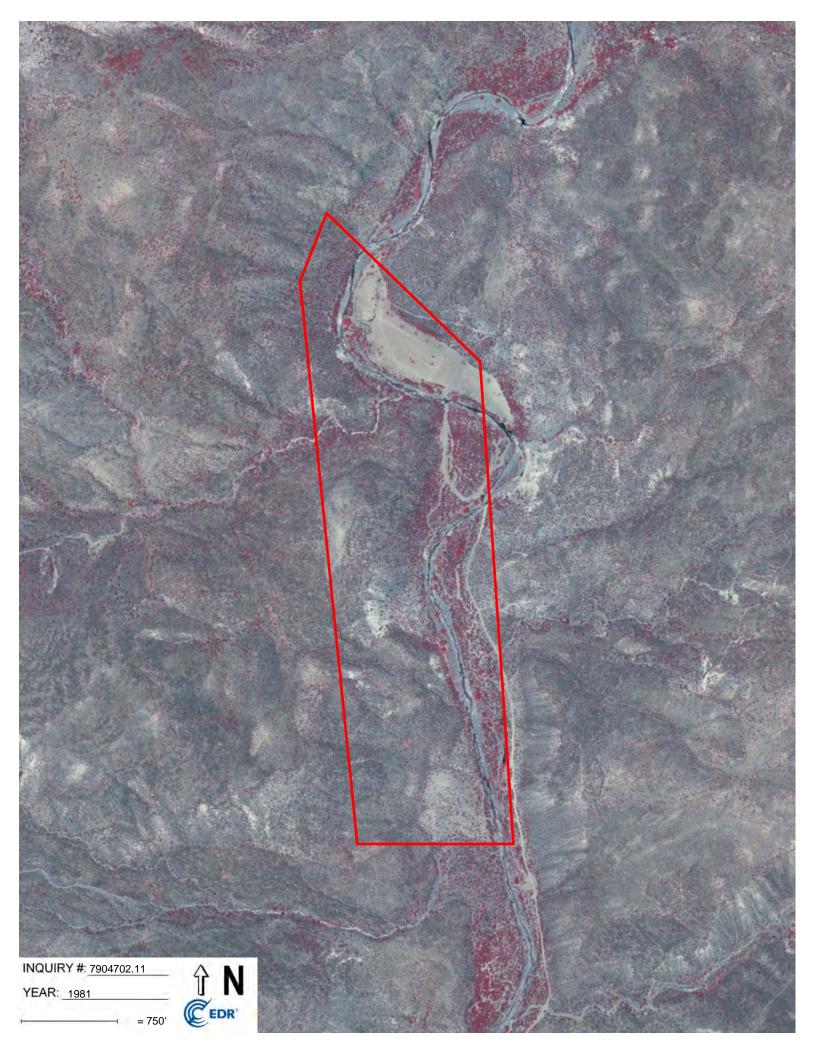




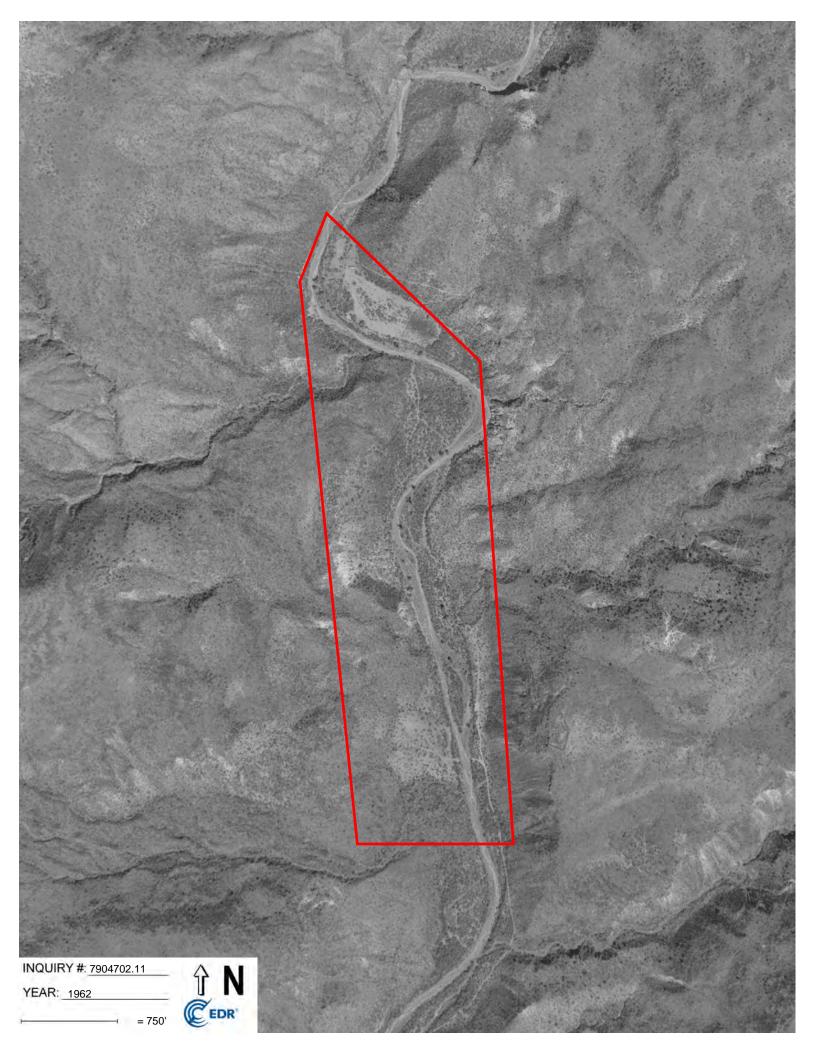














APPENDIX H Maricopa County Assessor Property Detail and Tax Records

219-09-001 Land Parcel

This is a land parcel and the current owner is RESOLUTION COPPER MINING LLC. Its current year full cash value is \$959,800.

Property Information

MCR	#
-----	---

Description:	EMBRACING PT OF APPROX SEC 21 BEG AT COR 1 FR WH US LOCAT MON 317 HES BRS S 59D57'E 10.58 CHS S 46D12'E 26.94 CHS TO COR 2 S 4D3' E 61 CHS TO COR 3 W 19.84 CHS TO COR 4 N 5D51'W 71.34 CHS TO COR 5 N 21D 46'E 9.22 CHS TO COR 1 POB CONT 149.30 AC
Lat/Long	
Lot Size	6,503,508 sq ft.
Zoning	RU-43
Lot #	
High School District	NO HIGH SCHOOL
Elementary School District	NO SCHOOL DISTRICT
Local Jurisdiction	NO CITY/TOWN
S/T/R	28 7N 4E
Market Area/Neighborhood Subdivision (0 Parcels)	07/009

Owner Information

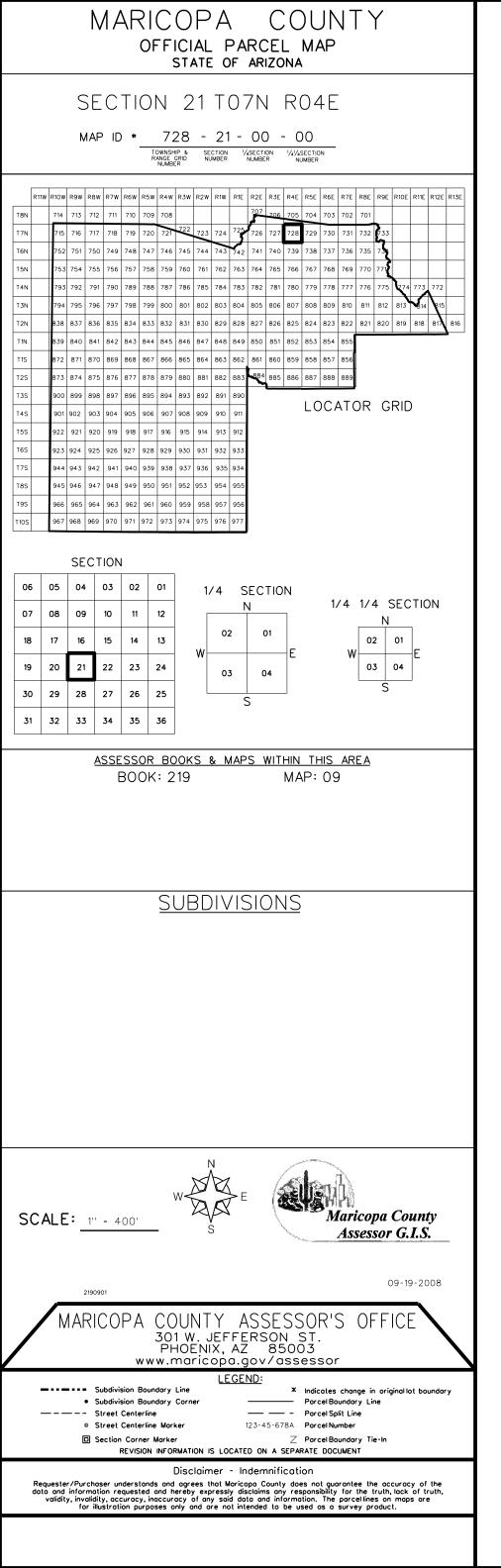
RESOLUTION COPPER MINING LLC

Mailing Address8825 N 23RD AVE STE 100, PHOENIX, AZ 85021Deed Number200302414Last Deed Date04/08/2020Sale Daten/aSale Pricen/a

Valuation Information

We provide valuation information for the past 5 years. For mobile display, we only show 1 year of valuation information. Should you need more data, please look at our <u>data sales</u>. **The Valuation Information displayed below may not reflect the taxable value used on the tax bill due to any special valuation relief program.** <u>CLICK HERE TO PAY YOUR TAXES OR VIEW</u> <u>YOUR TAX BILL</u>

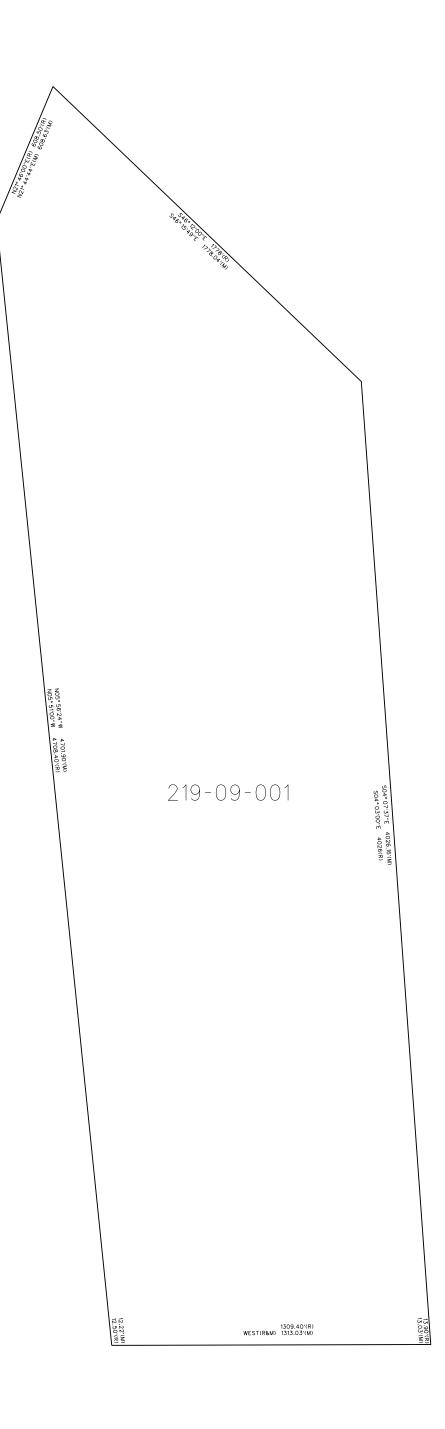
Tax Year	2021	2020	2019	2018	2017
Full Cash Value	\$959,800	\$799,300	\$869,600	\$823,700	\$980,300
Limited Property Value	\$435,799	\$415,047	\$395,283	\$376,460	\$358,533
Legal Class	2.R	2.R	2.R	2.R	2.R
Description	AG / VACANT LAND / NON- PROFIT R/P				
Assessment Ratio	15%	15%	15%	15%	15%
Assessed LPV	\$65,370	\$62,257	\$59,292	\$56,469	\$53,780
Property Use Code	0014	0014	0014	0014	0014
PU	Vacant	Vacant	Vacant	Vacant	Vacant
Description	Residential Land				
Tax Area Code	000000	000000	000000	000000	000000
Valuation Source	Notice	Notice	Notice	Notice	Notice



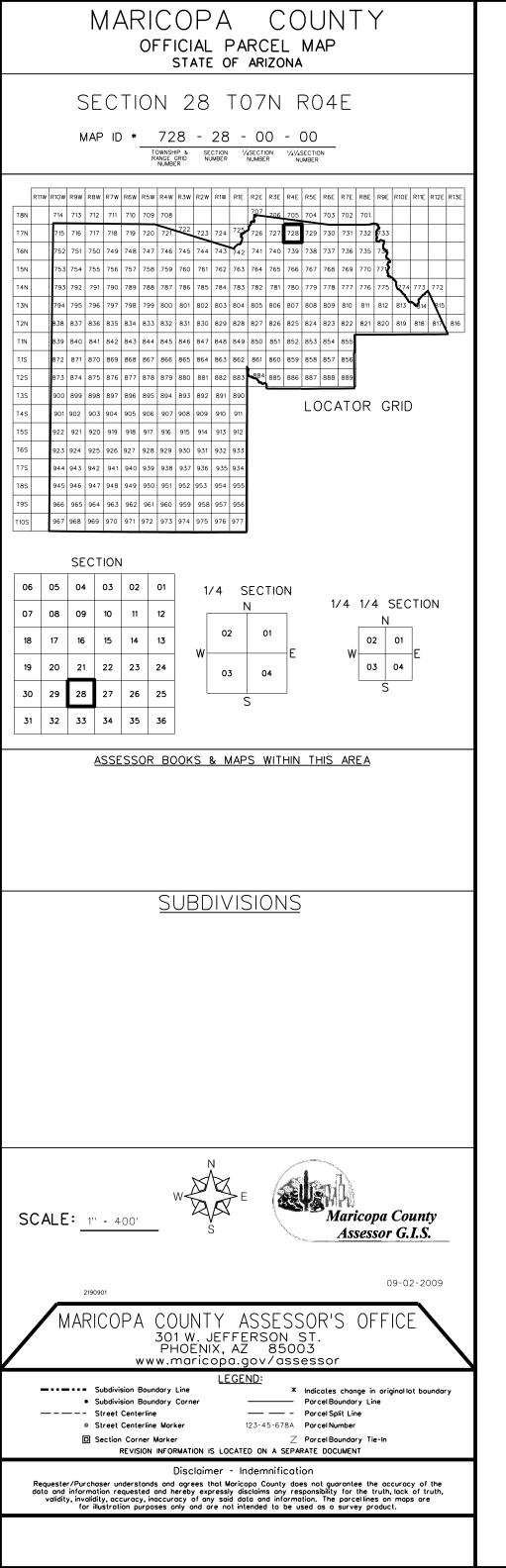
SW COR SEC 21 NW COR SEC 28

D NW COR SEC 21

NE COR SEC 21



SE COR SEC 21



SW COR SEC 21 NW COR SEC 28

SW COR SEC 28

219-09-001

UNASSESSED

1309.40'(R) WEST(R&M) 1313.03'(M) SE COR SEC 21

APPENDIX I Property Tax Map Report **Cave Creek** Maricopa County, Arizona Tonto National Fores, AZ 00199

Inquiry Number: 7904702.6 February 20, 2025

The EDR Property Tax Map Report



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

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

NO COVERAGE

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

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APPENDIX J Building Permit Report **Cave Creek** Maricopa County, Arizona Tonto National Fores, AZ 00199

Inquiry Number: 7904702.8 February 20, 2025

EDR Building Permit Report

Target Property and Adjoining Properties



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

EDR Building Permi	2/20/25	
Site Name:	Client Name:	
Cave Creek	Westland Resources	
Maricopa County,	4001 E. Paradise Falls Drive	
Tonto National Fores, AZ	Tucson, AZ 85712	
EDR Inquiry # 7904702.8	Contact: Samantha Blonder	

Search Documentation

DATA GAP

The complete collection of Building Permit data available to EDR has been searched, and as of 2/20/25, EDR does not have access to building permits in the city where your target property is located (Tonto National Fores, AZ).

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting 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 (E1527 - 21), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.



Environmental Data Resources Inc



APPENDIX K City Directory Report **Cave Creek** Maricopa County Arizona Tonto National Fores, AZ 85331

Inquiry Number: 7904702.5 February 25, 2025

The EDR-City Directory Image Report



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

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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 Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities.EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk,Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer.

RESEARCH SUMMARY

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

<u>Year</u>	<u>Target Street</u>	Cross Street	<u>Source</u>
2020	\checkmark		EDR Digital Archive
2017	\checkmark		Cole Information
2014	\checkmark		Cole Information
2010	\checkmark		Cole Information
2005	\checkmark		Cole Information
2000	\checkmark		Cole Information
1992	\checkmark		Cole Information
1987	\checkmark		Cole Criss-Cross Directory
1982	\checkmark		Cole Criss-Cross Directory
1977	\checkmark		Cole Criss-Cross Directory
1972	\checkmark		Cole Criss-Cross Directory
1968	\checkmark		Cole Criss-Cross Directory
1964	\checkmark		Cole Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

Maricopa County Arizona Tonto National Fores, AZ 85331

<u>Year</u>	<u>CD Image</u>	<u>Source</u>					
N SPUR CROSS RD							
2020	pg A1	EDR Digital Archive					
2017	pg A2	Cole Information					
2014	pg A3	Cole Information					
2010	pg A4	Cole Information					
2005	pg A5	Cole Information					
2000	pg A6	Cole Information					
1992	pg A7	Cole Information					
1987	pg A9	Cole Criss-Cross Directory					
1982	pg A10	Cole Criss-Cross Directory					
1977	pg A11	Cole Criss-Cross Directory					
1972	pg A12	Cole Criss-Cross Directory					
1968	pg A13	Cole Criss-Cross Directory					
1964	pg A14	Cole Criss-Cross Directory					

SPUR CROSS RD N

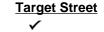
1992 pg A8 Cole Information

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images



-

Source EDR Digital Archive

N SPUR CROSS RD 2020

44029 SPUR CROSS STABLES



Source **Cole Information**

N SPUR CROSS RD 2017

44029 SPUR CROSS STABLE



Source **Cole Information**

N SPUR CROSS RD 2014

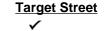
44029 SPUR CROSS STABLE



Source **Cole Information**

N SPUR CROSS RD 2010

44028 JAMES OTOOLE CO INC

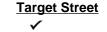


-

Source Cole Information

N SPUR CROSS RD 2005

44029 SPUR CROSS STABLE LLC

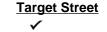


-

Source Cole Information

N SPUR CROSS RD 2000

44028 FOSTER, NORMAN



-

Source Cole Information

N SPUR CROSS RD 1992

44404 PAXTON, MELISSA



Source **Cole Information**

SPUR CROSS RD N 1992

44404 ARIZ NATIVE TREE

<u>Target</u>	Street
\checkmark	

-

Source Cole Criss-Cross Directory

N SPUR CROSS RD 1987

00 0050
88-9358
88-4493
88-9683
88-9699
88-2327
88-3415
88-2523
88-9472
88-3340
88-4369
JSINESS

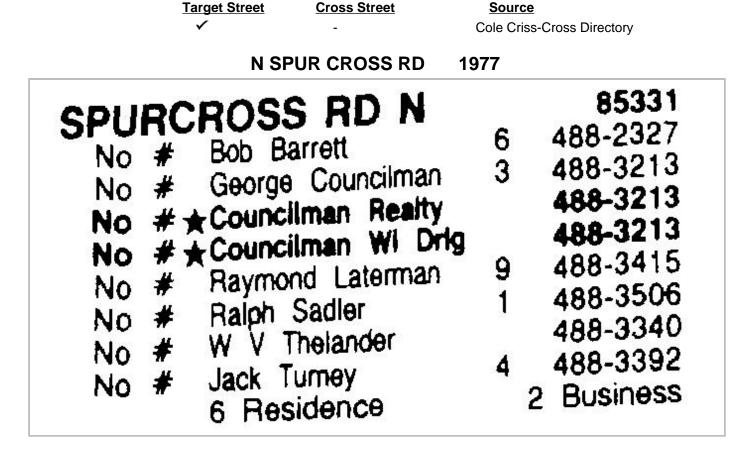
Target	Street
\checkmark	

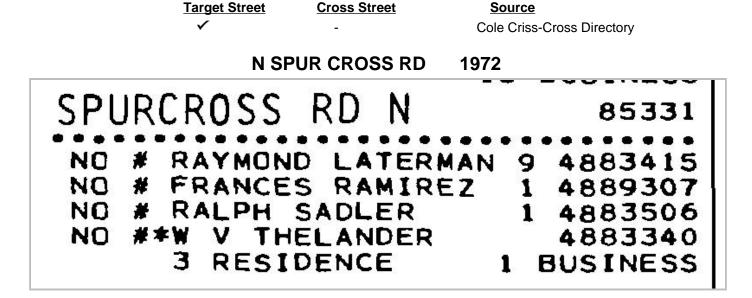
-

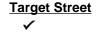
Source Cole Criss-Cross Directory

N SPUR CROSS RD 1982

38837	Homer L Grossman80	488-9 8 64	
39839	Jerry Livengood	488-2584	
42237	Michael Grimstad	488-9358	
No #	Bob Barrett		
No #	Raymond Laterman 69		
No #	W V Thelander	488-3340	
	Jack Turney	488-3392	
	10 Residence		





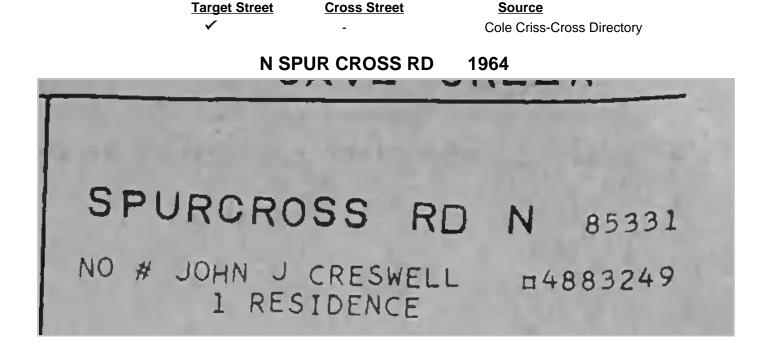


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Source Cole Criss-Cross Directory

N SPUR CROSS RD 1968

											-
	SP	U	R	CR	0	S	S	RE)	N	85331
	NO		200 Million 1994					ZIN		7	
	NO		MR	S	V I	DOF	REM	US STR	MO	5	4883258 ¤4883325
	NO NO	# #	MA	RL	EN	ΕE	EMM	IONS			¤4883705
	NO	#	I W س	ĽLL	IA	M I FL	E R		9S	6	4883630 4883340
	NO	H ·	Υ 11	4	RE	SI	DEN	ICE		1	BUSINESS
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APPENDIX L Sanborn Report

Cave Creek Maricopa County, Arizona Tonto National Fores, AZ 00199

Inquiry Number: 7904702.3 February 20, 2025

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

Site Name:

Client Name:

Cave Creek Maricopa County, Arizona Tonto National Fores, AZ 0019 EDR Inquiry # 7904702.3 Westland Resources 4001 E. Paradise Falls Drive Tucson, AZ 85712 Contact: Samantha Blonder



02/20/25

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Westland Resources 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 # 7A79-4A1E-8074

PO # bill to us

Project 13095 Cave Creek Phase I

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 #: 7A79-4A1E-8074

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
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/	University	Publications	of America
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EDR Private Collection

The Sanborn Library LLC Since 1866™

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APPENDIX M USFS Site Visit Survey-Visual On-Site Inspection of the Property and of Adjoining Properties Worksheet

All Appropriate Inquiry - Land Acquisition Screening Worksheet 3: SITE VISIT SURVEY-VISUAL ON-SITE INSPECTION OF THE PROPERTY AND OF ADJOINING PROPERTIES

This worksheet should help agencies to complete the "Site Visit Survey" portion of the AAI land acquisition screening. The AAI Rule requires a visual on-site inspection of the subject property and facilities and improvements on the subject property, including a visual inspection of the areas where hazardous substances may be or may have been used, stored, treated, handled, or disposed. This includes a visual inspection of adjoining properties, from the subject property line, public rights-of-way, or other vantage point (e.g., aerial photography), including a visual inspection of areas where hazardous substances may be or may have been stored, treated, handled or disposed. The visual inspection to adjoining properties would not apply to those properties already managed by the Federal agency planning to acquire the property being investigated. In the unusual circumstance where personnel cannot do an on-site visual inspection of the subject property because of physical limitations, remote and inaccessible location(s), or other inability to obtain access to the property, provided good faith (as defined in § 312.10) efforts have been taken to obtain such access, an on-site inspection will not be required. EPA has specified that the mere refusal of a voluntary seller to provide access to the subject property does not constitute an unusual circumstance.

The site inspection should be completed when the ground surface is visible, (e.g., no snow cover) and surface water is not frozen. If there are concerns that this requirement would result in the site visit not being conducted within 180 days of acquisition, complete the site inspection when the ground surface is visible, and then, follow-up with a confirmatory site visit when conditions are less favorable, e.g., when the property is covered by snow.

In such unusual circumstances where the agency cannot do an on-site visual inspection, the AAI inquiry must include (1) visually inspecting the subject property using another method (e.g., aerial imagery for large properties), or visually inspecting the subject property from the nearest accessible vantage point (e.g., property line or public road for small properties); and (2) documenting efforts undertaken to obtain access and an explanation of why such efforts were unsuccessful. If an agency cannot do an on-site visual inspection, the final report must include an assessment and comments by the environmental professional on the significance of the failure to conduct a visual on-site inspection of the subject property with regard to the ability to identify conditions indicative of releases or threatened releases on, at, in, or to the subject property, if any.

In conducting the on-site visual inspection, the personnel conducting the visit must maintain a photograph log and property or site map that identifies the locations of photographs taken and approximate direction of view.

To the extent that the property and on-site structures and improvements are not obstructed by water, adjacent buildings and/or structures, or other physical obstructions, the following are key areas that personnel must note and observe while conducting the on-site visual inspection:

- Inspect and observe the property's periphery.
- To the extent possible, observe the adjacent and surrounding properties during the site visit, so as to determine current, and if possible, past uses that may help indicate environmental conditions of the adjoining and surrounding properties or the property.
- Walk or drive along all roads or paths to determine whether these roads or paths were used as an avenue for the illegal disposal of solid and hazardous wastes or petroleum products.
- Inspect the periphery and interior of all structures on the property. This includes the accessible common areas in the structures that are expected to be used by occupants or the public, maintenance and repair areas, and the occupant spaces. Guidance states inside of all structures should be inspected. Occasionally, there are old structures that are unsafe to enter. In such cases, look through windows or openings if possible, but do not go inside. Document the inability to enter the structure on the worksheet.
- Inspect all current and previous areas likely to involve, or have involved, the use, treatment, storage, disposal, or generation of hazardous substances or petroleum products.
- Observe and note the topographic conditions of the property and the general topography of the surrounding property that can be observed from the subject property's periphery.
- Observe all sewage disposal systems (e.g., on-site septic systems, and cesspools).
- Observe above-ground storage tanks, underground storage tanks, vent pipes, fill pipes, and access ways indicating the presence of underground storage tanks.
- Note strong, pungent, or noxious odors detected during the on-site inspection.
- Describe in the written report all drains, pools or sumps containing liquids likely to be hazardous substances or petroleum products to the extent that one observed these features or learned of them through interviews or records review.
- Describe in the written report all electrical or hydraulic equipment known or suspected to contain PCBs.
- Inspect stains or corrosion on floors, walls, ceilings, soils or concrete except for staining from water.
- Observe pits, ponds, and lagoons, particularly if they were used in connection with waste disposal or waste treatment. To the extent possible, observe pits, ponds, or lagoons on properties adjoining the subject property.
- Observe all wells (including dry wells, irrigation wells, drinking water supply wells, injection wells, abandoned wells, or other wells).
- Observe known or suspected areas of on-site waste disposal.

Please note that while it is intended as a useful guide, it is not all inclusive and does not meet all the requirements for the AAI rule.

For example, the worksheets do not include the four documentation requirements that must be included in the report. Additionally, in order to meet the statutory requirements for any of the defenses to liability following acquisition, a landowner must meet certain threshold requirements and satisfy continuing obligations not addressed in this guidance. The worksheets are not exhaustive and should be tailored based on professional judgment and site conditions.

A. Property Use(s)

1. Are there currently structures and improvements on the property? If yes, provide a physical description of all structures and improvements, including their condition and location(s) on a property or site map.

Yes \boxtimes NoPhotographic Log Identification Number(s): _____.

Is there evidence that there were past structures and improvements on the property? If yes, provide a physical description of all evidence of structures and improvements, including their condition and location(s) on a property or site map.
 Yes No Photographic Log Identification Number(s): _5-6____.

Relic corral, fencing indicating past livestock use and old well.

3. Is there evidence of past or current agricultural use such as livestock, crop raising, nurseries, or agricultural drainage, including surface, and subsurface drains? If yes, describe the operations. Provide physical description of operations and identify the location(s) on a property or site map.

 \bigvee Yes \square No Photographic Log Identification Number(s): 5,6____.

See explanation at A.2

4. Is there evidence of current or past oil or gas exploration or development? If yes, describe the operations. Provide physical description of the activities and list out and identify the associated structures and improvements and identify the location(s) on a property or site map.

YesNoPhotographic Log Identification Number(s): $N/A_{_}$.

N/A.

If yes, does the property have any oil or gas drilling pads, holding ponds, or conveyance pipelines and structures? If yes, describe the operations and improvements and identify the location(s) on a property or site map.

Yes No Not Applicable Photographic Log Identification Number(s): N/A.

Is there evidence of current or past spills or releases of hazardous substances or pollutants, contaminants, petroleum and petroleum products related to the oil or gas exploration and development? If yes, describe and provide the location(s) of the potential spills and releases on a property or site map.

 Yes
 No
 Not Applicable
 Photographic Log Identification Number(s): _N/A____.

5. Is there any evidence of current or past strip mining, hard rock mining, placer mining ,piles or other extractive mineral activities?If yes, describe the operations. Provide physical description of the activities and list the associated structures and improvements (e.g., waste rock piles, mill sites, and mill tailings) and identify the location(s) on a property or site map.
☐ Yes ☑ No Photographic Log Identification Number(s): _N/A___.

If there is evidence of current or past minerals extraction operations, are there indications of the use, storage, or release of chemicals (e.g., fuel storage tanks, cyanide or chemical use at mill sites). If yes, describe the operations and provide physical description of the evidence and provide the location(s) on the property or site map.

Yes No Not Applicable Photographic Log Identification Number(s): N/A____.

If there is evidence of current or past minerals extraction operations, are there other potential environmental concerns such as draining adits or acid mine drainage, waste rock or mill tailings in or adjacent to streams and surface waters? If yes, provide physical description and provide the location(s) on a property or site map.

Yes No Xot Applicable Log Identification Number(s): N/A.

If there is evidence of current or past minerals extraction operations, are there physical safety hazards such as open adits, vertical shafts, or heavy equipment? If yes, provide physical description of the hazards and the location(s) on a property or site map. $Ves No Not Applicable Photographic Log Identification Number(s): N/A___.$

If the areas of current or past mineral extraction activities (e.g., mine sites or mill sites) are not accessible for inspection, describe the reason for the inaccessibility.

6. Describe and note the topographic conditions of the property and the general topography of the area surrounding the property that can be observed from the subject property's periphery. Identify and locate on a property or site map any key topographic features that may relate to off-site or on-site contaminant migration. Photographic Log Identification Number(s): __2,4__.

Flat canyon bottom and valley.

7. Is there evidence of modified topography or unnatural topographic features such as fill dirt brought onto the property, cover for dumps, mounds, fill areas, or depressions? If yes, provide a physical description and provide the location(s) on a property or site map.

Yes \square No Photographic Log Identification Number(s): N/A .

N/A

N/A

8. Is there any evidence of dumping, burying, or burning of waste materials on the property? Such evidence can include drums, industrial waste, petroleum products, labeled or unlabeled drums or other containers, pesticide containers, household and farm debris, automotive or industrial batteries, and building demolition debris. If yes, describe the evidence and provide information relating to the waste materials and disposal areas and identify the location(s) on a property or site map.

Yes No Photographic Log Identification Number(s): N/A_{-} .

9. Are there roads and/or paths on the property? If yes, provide a description and indicate the location(s) on a property or site map. [Yes]No Photographic Log Identification Number(s): __N/A____.

Abandoned ranch road.

If the property has roads and/or paths, is there evidence of illegal or unauthorized dumping activities? If yes, describe the dumping and waste materials. Based on observations, indicate the approximate age of the wastes and the location(s) on a property or site map. Yes No Not Applicable Photographic Log Identification Number(s): __N/A__.

B. Hazardous Materials and Substances

1. Is there evidence that current operations on the property involve the processing, handling, management, disposal, storage, manufacture, or transportation of hazardous substances or petroleum products (e.g., official or unofficial shooting ranges; gasoline station; equipment or vehicle repair; printing facility; dry cleaners; photographic developing laboratory; analytical laboratory; junkyard; bone yard; landfill; or as a waste treatment, storage, disposal, processing, or recycling facility)? If yes, describe the operations and provide information relating to the chemical use and storage and identify the location(s) on a property or site map.

 \neg Yes \bigtriangledown No Photographic Log Identification Number(s): N/A .

If yes, is there evidence that there has been a spill or release of hazardous substances, petroleum products, or other potential environmental problems on the property associated with **current operations**? If yes, describe the nature and location(s) of the release and the quantities and types of hazardous substances and identify the location(s) on a property or site map. This includes staining of soils and floors in areas utilized for the use and/or storage of hazardous materials.

Yes No Not Applicable Photographic Log Identification Number(s): _N/A____

N/A

If yes, is there evidence that there has been a spill or release of hazardous substances, petroleum products, or other potential environmental problems on the property associated with **past operations or tenants**? If yes, describe the nature and location(s) of the release and the quantities and types of hazardous substances and identify the location(s) on a property or site map. This includes staining or soils and floors in areas utilized for the use and storage of hazardous materials.

 $Yes \boxtimes No \square Not Applicable Photographic Log Identification Number(s): _N/A____.$

3. Is there evidence that the property has ever been used for any form of illegal activities that may involve the processing, handling, management, disposal, storage, manufacture, or transportation of hazardous substances or petroleum products (e.g., illegal drug laboratories, marijuana farms, stills, waste disposal sites)? (Any illegal activities may present very dangerous safety, chemical, or explosive hazards. LEAVE the area immediately and report to appropriate law enforcement officials.) If yes, describe the activities and provide information relating to the chemical use and storage and identify the location(s) on the property or site map. □Yes □No Photographic Log Identification Number(s): __N/A___.

N/A.

4. Is there evidence of use, storage, mixing, or disposal of industrial drums (typically 55 gallons) or sacks of chemicals, automotive or industrial batteries, pesticides (e.g., herbicides, insecticides, and fungicides), paints, solvents, or other chemicals at the property? If yes, describe and indicate the location(s) on a property or site map.

Yes \square No Photographic Log Identification Number(s): $_N/A_$.

N/A		

5. Are there any unidentified substance containers on the property? If yes, describe the size, quantity, and condition of the containers. Indicate their location(s) on a property or site map.

 \Box Yes \boxtimes No Photographic Log Identification Number(s): N/A____.

N/A.

6. Is there evidence of use of chemicals, automotive or industrial batteries, pesticides (e.g., herbicides, fungicides, and insecticides) paints, solvents, or other, on fence lines, rights-of-way, airstrips, heliports, or crop duster operations? If yes, describe the evidence and indicate location(s) on a property or site map. Yes No Photographic Log Identification Number(s): __N/A___.

N/A.

7. Is there evidence of oiled roads, oil seeps and slicks, staining on the soil and/or cracked concrete, asphalt, adjacent to stormwater drains, or other surfaces? If yes, describe and indicate the location(s) on a property or site map.
Yes No Photographic Log Identification Number(s): N/A____.

N/A.

8. Does the property have any above-ground or underground storage tanks or indications of the presence of abandoned above-ground or underground storage tanks, such as any vent pipes, fill pipes, access ways indicating a fill pipe, concrete or asphalt pads or

patches, fill stands, islands, or dispensers? If yes, describe and identify what materials the tanks hold or held and identify the tank locations.

Yes No Photographic Log Identification Number(s): N/A.

N/A.

If the property has above-ground or underground storage, is there any evidence of spill or releases. If yes, describe and indicate the location(s) on a property or site map. \Box Yes \Box No \boxtimes N/A Photographic Log Identification Number(s): $_N/A_$.

9. Is there evidence or any indications that an above-ground or underground storage tank had been installed on the property in the **past**? Indications can include the presence of tank pads, vent pipes, fill pipes, access ways indicating a fill pipe, or dispensers on the property or adjacent to any structure on the property. If yes, describe the evidence and identify the tank location(s). If known, provide the dates of tanks removal.

Yes \boxtimes No Photographic Log Identification Number(s): _N/A____.

N/A.		

If above-ground or underground storage were previously present, is there any evidence of spill or releases. If yes, describe and indicate the location(s) on a property or site map. \Box Yes \Box No \bigotimes N/A Photographic Log Identification Number(s): _____.

10. Does the property have any electric transmission lines, transformers, capacitors, or any hydraulic equipment such as elevators, presses, lifts, or doors? If yes, describe the equipment. Indicate whether any of the equipment is labeled as either containing PCBs or free of PCBs. Record information from any identification tags and indicate the location(s) on a property or site map. ☐Yes ∑No Photographic Log Identification Number(s): N/A_____

N/A.

If the property has electrical transmission lines, transformers, capacitors, or hydraulic equipment, is there any evidence of leakage, or the presence of <u>PCBs</u>? If yes, describe and indicate the location(s) on a property or site map.

YesNoNot ApplicablePhotographic Log Identification Number(s): __N/A____.

11. Is there any evidence that, in the **past**, the property had electric transmission lines, transformers, capacitors, or any hydraulic equipment such as elevators, presses, lifts, or doors? If yes, describe the evidence and indicate, if known, when and what type of equipment was present. If known, indicate whether any of the equipment contained PCBs and indicate the former location(s) on a property or site map.

Yes \boxtimes NoPhotographic Log Identification Number(s): _____N/A___.

Γ	N/A.		

12. Does the property have potential mercury-containing materials such as fluorescent lights, button batteries, thermostats, thermometers, manometers, medical devices, pressure gauges, switches, relays, sink traps, and medical waste? If yes, identify the materials. Include the quantity and a description of the condition of the equipment and identify the location(s) on a property or site map.

Yes \square NoPhotographic Log Identification Number(s): __N/A___.

N/A.

13. Is there evidence of any pipelines, utility lines, railways, entry or exit ports and associated structures, either buried or overhead, or crossing the property? If yes, describe the structures and indicate the location(s) on a property or site map.
Yes No Photographic Log Identification Number(s): ___N/A__.

N/A.

lf yes, is th	here any evidence of any spills or releases a	ssociated with them? If yes, describe the evidence and indicate the location(s) on a property or site
nap.	Yes No X Not Applicable	<i>Photographic Log Identification Number(s):</i> N/A

14. Is there any evidence of contamination (e.g., hazardous substances or petroleum products) or other materials (e.g., soil or rock) migrating from adjacent or nearby properties onto the site? If yes, describe and indicate the location(s) on a property or site map. Also indicate if the migration appears to be current or pre-existing. Yes No Photographic Log Identification Number(s): N/A____.

N/A.

15. Is there any evidence of any drains, pools or sumps that contain liquids likely to be hazardous substances or petroleum products? If yes, describe and indicate the location(s) on a property or site map. If known indicate what structure or site operations may be associated with the drains, pools or sumps. □Yes ⊠No Photographic Log Identification Number(s): _N/A____.

N/A.

16. Does the property have structures (e.g., buildings, water towers, or lead smelters) or soils surrounding structures on site that might indicate the presence of possible lead in dust, old paint (e.g., peeling, chipping, chalking, or cracking lead-based paint), or that were built before 1978 (or of unknown construction dates)? If yes, identify the structures. Include a description of the lead and the location(s) (interior or exterior of structures) and identify the location(s) on a property or site map. If the property has possible lead-based paint, also indicate whether the paint is peeling and whether there is evidence of paint chips on the ground surrounding the structures.

 \Box Yes \Box No Photographic Log Identification Number(s): N/A.

N/A.

If a structure contains lead, is there any indication of the structure's intended use, or is it to be demolished? Provide a description of the intended use and the location(s) on a property or site map.

Yes No Not Applicable Photographic Log Identification Number(s): $N/A_{$.

17. Does the property have structures containing known asbestos-containing materials (ACMs) or suspected ACMs (e.g., fire proofing, acoustical plaster, siding, floor tiles, roofing shingles, mastic, insulation, or vermiculate)? If yes, describe the structure and the ACMs. Indicate the condition of the ACMs and identify the location(s) on a property or site map.
Yes No Photographic Log Identification Number(s): __N/A___.

N/A.

18. Does the property have floor drains in any structures or areas where hazardous materials are or were used or stored? If yes, provide a description including the current and previous use of the structure (if known) and observed operations and types of hazardous materials. Also indicate the location(s) of the floor drains in the structures, the structures on a property or site map and where the floor drain discharges to. Yes No Photographic Log Identification Number(s): _N/A____.

N/A.

In the areas with floor drains, is there evidence of any chemical stains present on the walls or floors of the structures where hazardous materials are or were used or stored? If yes, indicate those areas or structures with chemical staining and the location(s) on a property or site map. \Box Yes \Box No \boxtimes Not Applicable Photographic Log Identification Number(s): $__N/A_$.

19. Are there any floors, drains, ceilings, or walls stained by substances other than water or that are emitting foul or unnatural odors (e.g., mold or mildew)? If yes, describe the current and past site operations and indicate the location(s) on a property or site map.
□Yes ⊠No Photographic Log Identification Number(s): N/A_____.

N/A.

20. If there are structures on the property, is there indication of how the structures are heated and cooled? If yes, describe the refrigeration or cooling systems and indicate whether they may contain Freon and other regulated substances. For the heating systems, identify the heating and fuel source (e.g., heating oil, gas, electric, radiators from steam boiler fueled by gas). Locate the major components of the heating and/or cooling system(s) on a property or site map.
☐ Yes No Photographic Log Identification Number(s): N/A .

N/A.	

C. Water/Waste Water

1. Does the property have surface water such as pits, ponds, lagoons, rivers, creeks, or ocean? If yes, describe the type of surface water and its location(s) on a property or site map.

 \bigvee Yes \square No Photographic Log Identification Number(s): $_N/A_$.

Naturally flowing creek.

If the property has surface water (e.g., pits, ponds, or lagoons), is there evidence of any unnatural characteristics (e.g., color, sheens, odors, sterile). If yes, describe and indicate the location(s) on a property or site map. If known, indicate whether the unnatural characteristics are associated with an activity related to the property and whether the situation is new or pre-existing.

 \square Yes \square No \square Not Applicable Photographic Log Identification Number(s): $_$ N/A $__$.

3. Standing water in shallow depressions did not have any unnatural characteristics.

If the property has surface water, is there evidence of activities that may have resulted in hazardous materials dumping in water bodies (e.g., used for agricultural, commercial or industrial purposes, marinas, or docks)? If yes, describe and indicate if this is a current or past activity. Indicate the location(s) on a property or site map.

Yes No Not Applicable Photographic Log Identification Number(s): N/A.

If property has surface water, is there any evidence of unusual or unexpected bank erosion or other unusual characteristics in running water bodies such as rivers, streams, or drain channels? If yes, describe and indicate if this is a current or past activity. Indicate the location(s) on a property or site map. $Yes \otimes No \otimes Not \text{ Applicable Photographic Log Identification Number(s): } N/A____.$

2. Is there evidence that the property has ever been served by an on-site drinking water supply well? If yes, describe the well and its condition and provide the location(s) on a property or site map. If the well is no longer used, indicate whether it has been properly abandoned. If no, indicate whether the property is supplied by an off-site water source.

Yes No Photographic Log Identification Number(s): N/A_{-} .

N/A

If the property has a well, is there evidence of any contamination of the water supply or of the nearby soils? If yes, describe the contamination. \square Yes \square No \boxtimes Not Applicable Photographic Log Identification Number(s): $_N/A_{___}$.

3. Is there evidence that the property has ever been served by one or more non-potable water system(s) (e.g., agricultural well, livestock troughs, fire suppression, process water, irrigation, cooling). If yes, describe each system including the condition and provide the location(s) on a property or site map. If the system is no longer used indicate whether it has been properly abandoned. ∑Yes □No Photographic Log Identification Number(s): _6____.

Old abandoned well.

If the property has a non-potable well, is there evidence of any contamination of the water supply or of the nearby soils? If yes, describe the contamination. Ves No Not Applicable Photographic Log Identification Number(s): N/A.

4. Other than stormwater or sanitary wastewater discharges from restrooms, kitchens, or other household-type uses, is there evidence of industrial or other wastewater discharges on or adjacent to the property? If yes, describe the discharge and indicate if it is an ongoing or past activity. Indicate the location(s) on a property or site map.
 ☐Yes ☐No Photographic Log Identification Number(s): N/A .

N/A.

5. Is there evidence that the property has ever had an on-site sanitary wastewater treatment and disposal systems such as septic systems, sewage lagoons, or public sewer connection? If yes, describe the system and indicate those structures and operations that discharged to the system. Provide the location(s) of the system on a property or site map.
□Yes ⊠No Photographic Log Identification Number(s): __N/A___.

N/A.

	nd disposal system is no longer used, is there evidence that is has it been closed?	If yes, describe the closure method.
Yes No Not Applicable	<i>Photographic Log Identification Number(s):N/A</i>	

6. Is there evidence that the property discharged other waste water to an off-site facility? If yes, provide a description. □Yes ⊠No Photographic Log Identification Number(s): __N/A____.

N/A.

7. Is there evidence of other wastewater treatment or disposal facilities (e.g., oil water separators, ponds, pits, or lagoons) on the property that may have been used for waste disposal? If yes, describe and provide the location(s) on a property or site map and identify the property or site operations that may have discharged to the systems.

Yes \boxtimes NoPhotographic Log Identification Number(s) _N/A____.

N/A.	

8. Is there evidence of any other existent discharges, drains, or grates? If yes, describe and indicate the location(s) on a property or site map.

Yes	No	Photographic Log Identification Number(s):	N/A	
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N/A.

D. Other

1. Is there any evidence that any monitoring wells on the property? If yes, describe and explain the purpose of the wells, if known, and indicate the location(s) on a property or site map.

Yes \square No Photographic Log Identification Number(s): $_N/A___$.

N/A.

If the monitoring wells were installed and are no longer used, is there evidence that the wells were properly abandoned according to applicable regulatory requirements. If yes, describe and indicate, if known, the date(s) of well abandonment.

YesNoNot ApplicablePhotographic Log Identification Number(s): N/A.

2. Is there evidence of stressed vegetation on the property (e.g., bare ground, distressed vegetation, dead vegetation, or unusually lush vegetation) that is not associated with insufficient or too much water? If yes, describe the evidence and indicate the location(s) on a property or site map and any current or past site activities or operations in the area, if known.

YesNoPhotographic Log Identification Number(s): ____N/A___.

N/A.

3. Are there invasive or non-native plants on the property? If yes, please indicate the location(s) and name(s), if known (e.g., kudzu, *Phragmites*, cheatgrass), and approximate area covered by the plants. Also indicate the location(s) on a property or site map.
 Yes No Photographic Log Identification Number(s): N/A .

	None observed.	
	If yes, is there any indication of an attempt(s) to remove or eradicate the invasive or non-native species? If yes, describe the actions taken and indicate	the
i	location(s) on a property or site map and any current or past site activities or operations in the area, if known.	
	Yes No Photographic Log Identification Number(s): N/A .	

Are there indications of any vegetation control programs (e.g., along transmission lines, fence lines, rights-of-ways, or pipelines) done on the property? If yes, describe the program and types of activities.

Yes No Photographic Log Identification Number(s): ___N/A___.

4. Is there anything else observed that could indicate the presence of hazardous substances, petroleum products, or other potential environmental problems on the property? If yes, provide a description and indicate the location(s) on a property or site map and how it relates to current and past activities or operations. Xes No Photographic Log Identification Number(s): ___3__.

A car body, likely dating from the 1950s or 1960s, was observed in a gully on the property. No evidence of petroleum product leakage onto the surrounding ground surface was observed.

E. Surrounding Property Use

1. As can be observed from the periphery of the property, are there structures and improvements on the surrounding property? If yes, provide a physical description of the observable structures and improvements.

Yes \boxtimes NoPhotographic Log Identification Number(s): __N/A___.

N/A

- 2. As can be observed from the periphery of the property, is there evidence that there were structures and improvements on the surrounding property in the past? If yes, describe the evidence.
- 3. \Box Yes \boxtimes No Photographic Log Identification Number(s): N/A.

N/A

4. As can be observed from the periphery of the property, is there evidence that current operations on the surrounding property involve the processing, handling, management, disposal, storage, manufacture, or transportation of hazardous substances or petroleum products, (e.g., shooting ranges, gasoline station, equipment or vehicle repair, printing facility, dry cleaners, photographic developing laboratory, analytical laboratory, junkyard, bone yard, or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility)? If yes, describe the operations and identify the location(s) on a property or site map. □Yes ⊠No Photographic Log Identification Number(s): __N/A___.

N/A.

5. As can be observed from the periphery of the property, is there evidence that **past operations** on the surrounding property involved the processing, handling, management, disposal, storage, manufacture, or transportation of hazardous substances or petroleum products (e.g., shooting ranges, gasoline station, equipment/vehicle repair, printing facility, dry cleaners, photographic developing laboratory, analytical laboratory, junkyard, bone yard, or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility)? If yes, describe the evidence and identify the location(s) on a property or site map.
□Yes ⊠No Photographic Log Identification Number(s): __N/A____.

N/A.

6. Is there evidence of any other nearby land uses or activities, especially upstream or up gradient that might have had a waste or dump site? For example, are there upstream or up-gradient active or abandoned mine sites that may adversely affect or threaten the property? If yes, describe evidence and the land use or activity and identify the location(s) on a property or site map.
□Yes ⊠No Photographic Log Identification Number(s): N/A

N/A.

7. Is there evidence of any hazardous substance or pollutant or contaminant spill or release, or other potential environmental

problems on any adjacent or nearby properties? If yes, describe the evidence and the release and provide the location(s) on a property or site map.

Yes \boxtimes No Photographic Log Identification Number(s): ___N/A___.

N/A.

8. As can be observed from the periphery of the property, is there any evidence of contamination (e.g., hazardous substances or petroleum products) or other materials (e.g., soil or rock) migrating from adjacent or nearby properties onto the property or site? If yes, describe and indicate the location(s) on a property or site map. Also indicate if the migration appears to be current or pre-existing.

YesNoPhotographic Log Identification Number(s): N/A

N/A.

9. As can be observed from the periphery of the property, is there evidence of any current or past agricultural drainage, surface drains, subsurface drains, or field runoff discharging from the adjacent properties onto the property or site. If yes, describe the discharge and indicate the location(s) on a property or site map.

]Yes \square No Photographic Log Identification Number(s): __N/A_

N/A.

10. As can be observed from the periphery of the property, is there evidence of oil or gas exploration or development on the adjacent and surrounding property? If yes, describe the operations and identify the location(s) on the property or site map.

Yes \square No Photographic Log Identification Number(s): $__N/A__$

N/A.

If yes, is there any evidence of oil or gas drilling pads, holding ponds, or conveyance pipelines and structures on the adjacent and surrounding property? If yes, describe the operations and improvements and identify the location(s) on a property or site map. $Ves \quad No \quad Mot \quad Photographic \ Log \ Identification \ Number(s): \ N/A$.

As can be observed from the periphery of the property, is there evidence of current or past spills or releases of hazardous substances or pollutants, contaminants, petroleum and petroleum products related to the oil or gas exploration or development? If yes, describe and provide the relative location(s) on a property or site map.

 Yes
 No
 Not Applicable
 Photographic Log Identification Number(s): $_N/A____.$

11. As can observed from the periphery of the property, is there any evidence of strip mining, hard rock mining, piles, or other extractive mineral activities on the adjacent and surrounding property? If yes, describe the operations and identify any associated structures and improvements (e.g., waste rock piles, mill sites, or mill tailings) and identify the location(s) on a property or site map.

YesNoPhotographic Log Identification Number(s): N/A_____.

N/A.

12. As can be observed from the periphery of the property, is there evidence of the use, storage, or release of hazardous substances (e.g., fuel storage tanks, cyanide or chemical use at mill sites) associated with the minerals extraction operations on the adjacent and surrounding property. If yes, describe the evidence and provide the location(s) on a property or site map.
Yes No Photographic Log Identification Number(s): __N/A___.

N/A.

13. As can be observed from the periphery of the property, describe and note the topographic conditions of the surrounding property and the general topography of the area. Identify and locate on a property or site map any key surrounding topographic features that may relate to off-site or on-site contaminant migration. Photographic Log Identification Number(s): __N/A___.

Hilly valley, basin canyon.

14. As can be observed from the periphery of the property, does the surrounding property have evidence of modified topography or unnatural topographic features such as fill dirt brought onto the property, cover for dumps, mounds, fill areas, or depressions? If yes, provide a physical description and provide the location(s) on a property or site map.

Yes \square No Photographic Log Identification Number(s): N/A____.

N/A.

15. As can be observed from the periphery of the property, does the surrounding property have evidence of bare ground that should have vegetation, distressed vegetation, dead vegetation, or unusually lush vegetation that is not associated with insufficient or too much water? If yes, provide a description and indicate the location(s) on a property or site map and any current or past site activities or operations that may have contributed to the conditions.

 \Box Yes \Box No Photographic Log Identification Number(s): N/A____.

16. As can be observed from the periphery of the subject property, does the surrounding property have invasive or non-native plants? If yes, please indicate the location(s) and names of the plants (e.g., kudzu, *Phragmites*, or cheatgrass), and approximate area covered by the plants. Also, indicate the location(s) on a property or site map.

 \Box Yes \Box No Photographic Log Identification Number: N/A.

N/A.

N/A.

If yes, is there any indication of an attempt(s) to remove or eradicate the invasive or non-native species on the surrounding property? If yes, describe the actions and indicate the location(s) on a property or site map and any current or past site activities or operations in the area (if known). \Box Yes \boxtimes No Photographic Log Identification Number: $_N/A_$.

Is there any indication of any vegetation control programs (e.g., along transmission lines, fence lines, rights-of-ways, or pipelines) done on the surrounding property? If yes, describe the program and types of activities.

Yes No Photographic Log Identification Number: N/A.

17. Is there anything else observed that could indicate the presence of hazardous substances, petroleum products, or other potential environmental problems on the property or surrounding properties? If yes, provide a description and indicate the location(s) on a property or site map and how it does or may threaten the property or site.

Yes No Photographic Log Identification Number(s): N/A.

N/A.

Name, title and signature of person conducting site visit survey:

<u>Name:</u> Christopher Rife

Signature: Christopher Rife

Date of visit: 3/7/2025

APPENDIX N Office of the State Fire Marshal Response to Public Records Request From: noreply@salesforce.com <noreply@salesforce.com> On Behalf Of Jacob Avila Sent: Friday, February 28, 2025 2:40 PM To: Diana Sandoval <dsandoval@westlandresources.com> Subject: Public Records Request Documents [thread::INefmBCJID2NHw3pyRrXLxA::]

Hello Diana Sandoval,

Your PRR number: PRR-423000625.

The Office of the State Fire Marshal has no documents in regards to this public records request. This email serves as completion of your request. Should you need additional information, please don't hesitate to reach out.

Thank you,

Department of Forestry and Fire Management 1110 W. Washington Street Suite 500 Phoenix, AZ 85007 602.771.1400



thread::INefmBCJID2NHw3pyRrXLxA::

APPENDIX O Resumes

MARK TAYLOR

PRINCIPAL ENGINEER

SUMMARY

Mark is an engineering Principal and one of WestLand's founders. He has over 40 years of experience in water resources and wastewater systems engineering, including the design of water and wastewater systems for large, multi-disciplinary public works projects, master-planned communities, private water company master planning/energy efficiency evaluation, and the mining industry. Mark is responsible for the development of water system master plans; water policy, energy efficiency studies, well, reservoir, booster station, and transmission main design; water treatment design; and the assessment of rates and development impact fees for private and municipal clients. He is also experienced with wastewater master plan preparation, energy efficiency and feasibility studies, system modeling and simulation, and capacity analyses. Mark has provided training and presentations on water and wastewater systems and energy efficiency topics in numerous forums.

EXPERIENCE

40+ YEARS

EDUCATION

MBA

University of Arizona

BS, Civil Engineering

University of Arizona

REGISTRATION

Arizona #22999, 1989 California #44219, 1989 New Mexico #14546, 1999

PROFESSIONAL

MEMBERSHIPS

Board Member – Citizen's Water Advisory Committee to the City of Tucson Finance Subcommittee Member – Citizen's Water Advisory Committee to the City of Tucson

SELECT PROJECT EXPERIENCE

Town of Florence's Territory Square Planned Area Utility Master Plan Project Principal Engineer. WestLand provided professional engineering services to develop a Water Resources Master Plan for the Town of Florence's Territory Square Planned Area. The project included determining the major water and sewer infrastructure required to serve the overall project area covering approximately 623 acres. WestLand's plan defined those water system planning elements that were most important to the utility, evaluated the existing system for service and upgrade requirements, and planned the infrastructure.

City of Coolidge Water Resources Master Plan

Principal Engineer. WestLand provided professional engineering services to develop a Water Resources Master Plan for Coolidge. The purpose of the Water Resources Master Plan was to provide Coolidge a reference document explaining the different types of water, the regulations placed on these types of water, how water use differs between sectors in Coolidge, and factors that could impact future use. The Water Resources Master Plan provided Coolidge an understanding of what the future water demands of their planning area might be and the resources available to meet that demand. This report discussed options for the City of Coolidge to put its effluent to use to benefit the City.

Harquahala Valley Water Project Engineering Feasibility Study

Principal Engineer. WestLand completed an engineering feasibility study for a large water delivery project involving the transportation of groundwater from the Harquahala Valley to the Central Arizona Project (CAP) canal. The project included preparation of a 171-page report which included a preliminary design, Opinion of Probable Construction Cost (OPCC), and thirty-year operations, maintenance, and replacement costs (OM&R).

Confidential Mining Client, Water Resource Planning

Principal Engineer. A future mine located in the Phoenix Active Management Area retained WestLand to prepare a water resource plan to bring water to their future mine site. The plan included an overview of Arizona water regulations, a review of the existing mine's water portfolio, presented options for obtaining additional water rights and/or permits, provided infrastructure options for conveying those water resources to the mine site, and provided preliminary capital and operational expenditures for those options.

Rio Rico Utilities, Inc., Rio Rico Water System Master Plan

Principal in Charge of the development of a water system master plan for a private water utility serving residential, commercial, and industrial customers. The master plan serves as a key guidance document for the identification of the capital components required for both existing and future customers in order to continue reliable operation, maintenance, and expansion of the water system. WestLand's plan defined those water system planning elements that were most important to the utility, evaluated the existing system for service and upgrade requirements, and planned the infrastructure to provide appropriate service to the expanding community.

Cottonwood Properties, Dove Mountain Reclaimed Water Master Plan

Principal in Charge of the preparation of the Dove Mountain Reclaimed Water Master Plan, an update to the Reclaimed Water Master Plan for the Tortolita Mountain Properties Basin that had been prepared for approximately 1,800 acres within the Dove Mountain community and included two golf courses. WestLand's revised master plan incorporated the entire 5,600-acre community with provisions for up to five 18-hole golf courses. The Dove Mountain project is served by Tucson Water's Thornydale reclaimed water reservoir and booster station. In accordance with Tucson Water's pressure and velocity requirements, WestLand performed hydraulic modeling for each of the various phasing scenarios to determine the best phasing of construction for the proposed reclaimed water system infrastructure buildout.

Willow Springs Utilities, LLC, Willow Springs Water Master Plan

Principal in Charge of the preparation of a water master plan for the 4,600-acre Willow Springs project, a development that includes approximately 6,500 residential dwelling units, two schools, 95 acres of turf (parks), and 90 acres of commercial/ mixed-use development. The purpose of the concept master plan was to provide information for the determination of required water system facilities and to present a concept for water service for the development. The master plan included pressure zones and water service operational method, population and water usage projections, and facility sizing and locations.

CHRIS RIFE

SENIOR PROJECT MANAGER

SUMMARY

Mr. Rife is a Senior Project Manager in the Environmental Department. He has over 20 years of experience in federal and state environmental regulatory programs covering a broad range of business sectors, assisting clients in accomplishing their project goals. He specializes in environmental evaluation and permitting projects at industrial, commercial, residential, and transportation sites. His areas of expertise include water resources permitting, environmental resources plans and studies, and environmental site assessments. His focus in the western US has been on mining and residential land development projects; he also has experience on airport, railroad, and highway; solid and hazardous waste, and utilities projects throughout the United States and selected locations abroad. Mr. Rife has long-term relationships with several clients, as exemplified by the work completed at the two sites described below. Brief descriptions of numerous additional mining projects are provided subsequently.

EXPERIENCE

20+ YEARS

EDUCATION

M.S., Environmental Policy and Management University of Denver

B.A., Philosophy Humboldt State University

Additional Coursework in Hazardous Materials Management and Wetlands Science

SELECT PROJECT EXPERIENCE

Pinto Valley Mining Corp., Pinto Valley Mine; Gila County, Arizona Senior Project Manager. Mr. Rife has completed numerous environmental permitting and planning projects for this legacy copper mine in southern Arizona since joining WestLand in 2002. His prior work at this site ranges from stormwater inspections and environmental handbook authorship to participating in strategic planning and providing technical comments on regulatory agency actions potentially affecting the operation. He is currently supporting the mine operators during the U.S. Forest Service's National Environmental Policy Act evaluation of a mining Plan of Operations prepared by Mr. Rife on behalf of the client. Pinto Valley Mine lies primarily on private land but is surrounded by the Tonto National Forest and some mining-related activities use National Forest System lands. The Plan consolidates a number of previous authorizations issued by the U.S. Forest Service under separate Plans of Operations, Rights-of-Way, or Special Use Permits over the course of the 60+ year life of the facility. Mine use of National Forest System lands currently includes two tailings disposal facilities, a waste rock dump, and appurtenant infrastructure such as water pipelines, electrical transmission lines, and roads accessing these facilities. New uses of public lands, to accommodate further development of tailings disposal facilities and the open pit, are also included in the Plan. Mr. Rife worked closely with the client representative to develop the Plan, and now provides ongoing strategic and tactical support during the NEPA process. Additionally, Mr. Rife oversees WestLand's biological and cultural resources studies at the site, and provides technical review of hydrogeologic, hydrologic, geochemical, and geotechnical documents prepared by other consultants on the project team.

Cyprus Specialty Minerals, Former Satralloy Site; Steubenville, Ohio

Senior Project Manager. Mr. Rife is the environmental permitting manager for a team remediating an abandoned chromium smelter site in eastern Ohio. Mr. Rife has performed this role since 2005 when the client was notified of their



Engineering & Environmenta Services

responsibility for the site by the Ohio Environmental Protection Agency and entered into a Consent Order for Preliminary Investigation. He assisted the client in selecting the firm that would be responsible for interim actions, a remedial investigation/feasibility study, and implementing the selected remedial action. Over the course of the project, Mr. Rife has been responsible for conducting jurisdictional delineations, biological evaluations, and cultural resources studies to support permit applications under the federal and state programs authorizing fill of wetlands and waterways. For three separate "interim action" projects, Mr. Rife was responsible for preparing preconstruction notifications under the Clean Water Act Section 404 Nationwide Permit No. 38, Cleanup of Toxic and Hazardous Waste, to fill waters of the United States, as well as an application to fill Ohio-regulated isolated wetlands. He has participated in construction/demolition contractor selection process, including reviewing design specifications for environmental permit considerations and explaining permit conditions to bidders. Mr. Rife's biological work has supported an Ecological Risk Assessment conducted by others on the project team and (while at another firm) he managed an engineering evaluation of transportation options for heavy equipment, including design and construction of a railroad spur to the site.

Arizona Minerals, Inc., Drilling Plan of Operations Support; Santa Cruz County, Arizona

Task Manager. Mr. Rife prepared a Plan of Operations for mining exploration program on National Forest System lands.

Arizona Minerals, Inc., STA 3rd Party Contractor; Santa Cruz County, Arizona

Project Manager. Mr. Rife managed evaluation of parcels on National Forest System lands to be acquired by private client under the federal Small Tracts Act.

ASARCO, Ray Mine Phase I ESAs for Land Exchange; Ray, Arizona

Senior Project Manager. Mr. Rife managed Phase I Environmental Site Assessments of eight properties for a land exchange with a federal agency.

BHP-Billiton Legacy Assets, Closed Sites Wildlife Management Plan; Globe-Miami, Arizona

Project Manager. Mr. Rife prepared Wildlife Management Plan for five closed copper mines. He also managed a wildlife survey of underground mine features (shafts and adits) at one site, including installation of exclusions (wire mesh screens) over openings to prevent bats and raptors from entering the features, allowing the client to permanently close them.

BHP-Billiton Legacy Assets, Copper Cities Plans of Operations; Miami, Arizona

Project Manager. Mr. Rife managed preparation of Plans of Operations describing proposed geotechnical investigation and reclamation of a closed copper mine situated partially on National Forest System lands and Bureau of Land Management- administered lands.

Cardero Resources, Zonia Mine Clean Water Act Permitting Support; Wickenburg, Arizona

Senior Project Manager. Mr. Rife is currently managing jurisdictional waters, biological, and cultural resources surveys of this small inactive gold mine to prepare for a Clean Water Act Section 404 Nationwide Permit preconstruction notification to authorize waste rock dump reconfiguration activities required by the State of Arizona. A portion of the project is situated on Bureau of Land Management property, and therefore requires Notification to the agency for authorization to complete the work.



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Cyprus Specialty Minerals, Bruce Mine Site; Bagdad, Arizona

Project Manager. Mr. Rife is the permitting manager for remediation activities at this historical copper mine site conducted under a voluntary cleanup agreement with the State of Arizona. Technical work by WestLand included a jurisdictional delineation and land management agency coordination. An "approved jurisdictional determination" was completed and submitted to the U.S. Army Corps of Engineers for review, based on a negative significant nexus evaluation. A portion of the project would be conducted on State Trust Lands administrated by the Arizona State Land Department. Mr. Rife has assisted the client in coordinating with both agencies to review and approve the determination.

Cyprus Specialty Minerals, Dante Site Permitting Support; Knoxville, Tennessee

Senior Project Manager. Mr. Rife is currently managing jurisdictional waters, biological, and cultural resources surveys of this closed manganese processing facility to prepare for a Clean Water Act Section 404 Nationwide Permit preconstruction notification to authorize tailings impoundment reconfiguration activities to improve the factor of safety of the embankments.

Cyprus Specialty Minerals, Inc., Newmire Smelter Site; Telluride, Colorado

Project Manager. Mr. Rife managed a permitting project for remediation activities at this historical vanadium smelter site required under a voluntary cleanup agreement with the State of Colorado. Technical work conducted by WestLand included a biological evaluation, archaeological studies, jurisdictional delineation, and site revegetation design after closure. Mr. Rife was instrumental in redesigning engineering plans for the remediation effort to avoid impacts to Waters of the United States, thereby avoiding a requirement for authorization by the U.S. Army Corps of Engineers under the Clean Water Act Section 404 program.

Freeport-McMoRan Corporation, Ecosystem Function Analysis Pilot Study and Monitoring/Reporting

Project Manager. Mr. Rife conducted ecosystem function analysis pilot study at reclaimed smelter and tailings disposal facility site.

Freeport-McMoRan Inc., Clarkdale Smelter On-Call Environmental Support Services; Clarkdale, Arizona

Project Manager. Mr. Rife prepared a Spill Prevention, Control, and Countermeasures plan, and managed vegetation monitoring, at a reclaimed smelter site.

Freeport-McMoRan Inc., Iron King Permitting Support; Jerome, Arizona

Project Manager. Mr. Rife managed a permit requirements assessment of inactive copper mine, including evaluation of potential for occurrence of jurisdictional waters of the US, cultural resources, and special status species.

Freeport-McMoRan Miami, Inc., Environmental Support; Miami, Arizona

Project Manager. Mr. Rife has completed several projects at this legacy copper mine in southern Arizona. He recently managed an analysis of Clean Water Act Section 404 permit requirements for a new water pipeline from a treatment plant to the mine site, including a review of the potential jurisdictional status of drainages along the route, and an evaluation of biological and cultural resources. The analysis concluded that the project would qualify for no-notification coverage under Clean Water Act Section 404 Nationwide Permit 12, Utility Line Activities. Mr. Rife has also managed



an evaluation of avian control techniques to prevent nuisance birds from entering and roosting in industrial buildings at the mine. He also recently provided senior review of Phase I Environmental Site Assessments for two properties owned by the client and intended for divestment. Over the course of his involvement at this site, Mr. Rife updated the site Spill Prevention, Control, and Countermeasures plan, in accordance with current regulations, for the numerous on-site aboveground storage tanks. Mr. Rife was also responsible for managing an ongoing habitat-monitoring program required for the Pinal Creek Group, which included invasive vegetation species (tamarisk) control. He has also provided regulatory compliance support for the site-wide Aquifer Protection Permit and was coauthor of a Groundwater Sampling and Analysis Plan.

Freeport-McMoRan Morenci, Inc., Environmental Support; Morenci, Arizona

Project Manager. Mr. Rife has conducted numerous projects for this legacy copper mine in eastern Arizona. He is currently responsible for supporting the client in implementing a range of assignments specified in a Management Plan prepared to protect endangered fish species that may occur in a stream on the client's property. The client may fund construction of a fish barrier to prevent predatory non-native fish and other aquatic species (crayfish) from invading the native fish refugia in the upper reaches of Eagle Creek. Mr. Rife supported a geotechnical investigation of the proposed fish barrier site, including securing authorization from the U.S. Army Corps of Engineers under Clean Water Act Section 404 Nationwide Permit 6, Survey Activities. A jurisdictional delineation, biological evaluation, and cultural resources survey of the proposed fish barrier site were completed. Consultation with the U.S. Fish & Wildlife Service and the Corps under Section 6 of the Endangered Species Act was required. Mr. Rife is also responsible for other tasks including native fish monitoring, an exotic species control study, permitting support for constructing the fish barrier, and technical review of the fish barrier design and a Safe Harbor Agreement and/or Candidate Conservation Agreement with Assurances. Mr. Rife is also managing a mitigation monitoring project for this client. Three habitat restoration sites were established along lower Chase Creek and the San Francisco River to offset impacts to Waters of the United States from fill placed in upper Chase Creek for a mine expansion project, authorized by the Corps under two separate Clean Water Act Section 404 Individual Permits. The permits specify certain vegetation establishment goals along degraded segments of these streams; WestLand prepared and implemented a planting and irrigation plan. WestLand biologists currently monitor the sites on a quarterly and annual basis, and report observations and recommendations to the client and Corps.

Freeport-McMoRan Safford, Inc., Dos Pobres/San Juan Mine Mitigation Sites; Safford, Arizona

Project Manager. Mr. Rife is responsible for managing a mitigation monitoring project for this client. Three habitat restoration sites were established along the Gila River to offset fill placed in waters of the United States for a mine expansion project, authorized under a Clean Water Act Section 404 Individual Permit. The permit specifies certain vegetation establishment goals along degraded segments of the river; WestLand prepared a planting and irrigation plan implemented by others on the project team. WestLand biologists currently monitor the restoration sites on a guarterly and annual basis, and report observations and recommendations to the client and Corps.

Gallagher & Kennedy, P.A., United Verde Mine; Jerome, Arizona

Project Manager. Mr. Rife managed a Clean Water Act permitting project for site remediation activities required under a Consent Decree for this closed mine property in central Arizona. Technical work included a biological evaluation, archaeological study and data recovery, and a jurisdictional



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delineation. Mr. Rife completed a Clean Water Act Section 404 Nationwide Permit 38, Cleanup of Hazardous and Toxic Wastes preconstruction notification and secured authorization from the U.S. Army Corps of Engineers for the remediation project on behalf of the client. He coordinated agency and client communications, including National Historic Preservation Act Section 106 consultation regarding potential project impacts to the Jerome National Historic District.

Gallagher & Kennedy, P.A., United Verde – Verde Central Environmental Support; Jerome, Arizona

Project Manager. Mr. Rife provided environmental permitting strategy support for voluntary cleanup considered for a small, abandoned copper mine.

Golden Vertex Corp., Moss Mine Plans of Operations; Bullhead City, Arizona

Project Manager. Mr. Rife managed environmental resource studies to support Plans of Operations for exploration and mining of a proposed expansion of a small gold and silver mine, and is currently managing biological and cultural resources surveys required by the Bureau of Land Management.

IMERYS, Santa Rita Limestone Quarry; Sahuarita, Arizona

Project Manager. Mr. Rife supported this client in an exploration drilling program on public lands. The existing quarry occupies both U.S. Forest Service and Bureau of Land Management administrated property. Mr. Rife prepared separate Plans of Operations for the agencies to evaluate the different exploration programs on the two portions of the site. The Bureau of Land Management has approved the Plan for the program on their property, while the Forest Service is currently completing a National Environmental Policy Act evaluation of the Plan for the program on National Forest System lands. Depending upon the outcome of the exploration programs, the client may consider expanding the existing facility within either or both agencies' lands. A new Plan of Operations for the expanded facility would be required for either scenario.

Kennecott Exploration Company, Inc., Stockton/Ophir Due Diligence; Utah

Project Manager. Mr. Rife conducted a risk evaluation of mining district for site development by copper mine exploration firm.

Kirkland Mine, BLM MPO and NEPA Support; Kirkland, Arizona

Senior Technical Reviewer. Mr. Rife provided senior technical review of Plan of Operations and Environmental Assessment for a proposed small pozzolan mine.

Redhawk Resources, Copper Creek Permit Evaluation and Environmental Services; Mammoth, Arizona

Task Manager. Mr. Rife provided technical support for permit evaluation of proposed copper mine at a historical mining site.

Resolution Copper, Resolution Mine Site; Superior, Arizona

Task Manager. Mr. Rife has participated in numerous projects at this proposed new underground copper mine in southern Arizona. He completed a comprehensive comparison of the biological and cultural resources of the proposed tailings disposal facility site to another large site that the client is contemplating to acquire and use as a mitigation parcel. He also updated a series of studies on seeps and springs at the proposed mine site and vicinity to standardize the description terminology and nomenclature for the resources. Most recently, Mr. Rife conducted Environmental Site Assessments



and Ecological Overview studies for a set of private properties for a land exchange for targeted public lands. He visited the sites to assess potential for environmental liabilities, compiled environmental setting information to combine with biological data from technical specialists, and authored reports. The land exchange was recently approved, and Mr. Rife provided technical review of updates to the original reports. Historically, Mr. Rife also prepared a comprehensive permitting schedule to assist in planning the new mine and assisted in updating Environmental Management System for the site, using corporate guidelines.

Rosemont Copper Company, Rosemont Project; Santa Cruz County, Arizona

Project Manager. Mr. Rife conducted a range of assignments to support finalizing the General Plan of Operations and other environmental resource studies for this proposed new mine in southern Arizona. He has reviewed numerous Monitoring Plans, prepared by various members of the project team, to ensure that specified protocols will meet various obligations identified in the U.S. Forest Service's Final Environmental Impact Statement for the project. He also prepared the Biological Monitoring Plan for the same purpose; this plan details the procedures and schedule for biological resource monitoring requirements that the client must pursuant to the Forest Service's Mitigation Measures and the U.S. Fish and Wildlife Service's Biological Opinion. Mr. Rife also managed a database development assignment to convert an extensive set of Excel spreadsheets from the client's vegetation and water quality monitoring programs to relational databases, and in the future will use "tablet" computers for field data collection and reporting. Mr. Rife also managed a GIS assignment; WestLand's graphics group prepared a custom "Geoportal" that links all spatial data and reports to a secure online website to allow the project team access to digital copies of relevant data based on site mapping.

Confidential Client, Agricultural Property Phase I ESA for Solar Array

Mr. Rife conducted a Phase I Environmental Site Assessment of 1,622 acres of agricultural land proposed for development as a solar farm. The assessment identified a range of recognized environmental conditions associated with agricultural chemical use, petroleum product releases, and unregulated waste disposal.

Industrial Site Expansion; Cochise County, Arizona

Project Manager. Mr. Rife was responsible for preparing an Environmental and Social Impact Assessment for a substantive expansion of an industrial site in southeastern Arizona. The document allowed project reviewers— corporate decision-makers and financiers—to understand the potential impacts to environmental and social resources that may result from the project. The assessment was modeled after a National Environmental Policy Act Environmental Assessment, but was for internal use only. It relied upon existing environmental permitting and planning documents, supplemented by WestLand's research and site specific studies of resources not previously addressed, such as traffic and visual impacts. Mr. Rife was responsible for scoping the assessment, conducting the existing report review, researching additional information, and writing the report.



Hazardous Waste Sites; Confidential Client, United States

Task Manager. Mr. Rife was the principal internal reviewer of Phase I Environmental Site Assessment reports for 60 hazardous waste collection sites, transfer facilities, incinerators, and landfills on behalf of client bidding to purchase portfolio. The work included fast-track mobilization of field investigators from offices across the country; coordination of document review, reporting, and responding to client inquires; and strict confidentiality protocols. (Services provided at previous firm.)

Resolution Copper Mine Site; Superior, Arizona

Task Manager. Mr. Rife conducted Environmental Site Assessments and Ecological Overview studies for a set of private properties contemplated for purchase by the client in anticipation of a land exchange for targeted public lands. He visited the remote, rural sites to assess potential for environmental liabilities, compiled environmental setting information to combine with biological data from technical specialists, and authored reports. The land exchange was recently approved, and Mr. Rife provided technical review of updates to the original reports.

Vigneto Development; Benson, Arizona

Senior Technical Reviewer. Mr. Rife participated in site visits and provided senior technical review of a Phase I Environmental Site Assessment of 12,500 acres proposed for residential development in southern Arizona. The property is largely undeveloped, although portions are used for cattle ranching and it is crossed by electrical transmission lines and a buried natural gas pipeline, a highway, and an abandoned railroad line. No recognized environmental conditions were identified during the assessment.

Miami Mine; Miami, Arizona

Project Manager. Mr. Rife has completed several projects at this legacy copper mine in southern Arizona. He recently managed Phase I Environmental Site Assessments for two properties owned by the client and intended for divestment. One of the properties had been used by the Arizona National Guard as an armory administrative center, whereas the other was a company recreation site, including a drive-in movie theater. No recognized environmental conditions were identified at either property.



JOEL DIAMOND

PRINCIPAL BIOLOGIST

SUMMARY

Dr. Diamond has an M.S. in wildlife biology and a Ph.D. in Ecology from Utah State University. He has been working with wildlife/wildlands for 22 years with a focus on landscape scale modeling and evaluating the impact of management actions. Joel has worked extensively across Utah, Arizona, Colorado and New Mexico. Work in these states has included but is not limited to; creating bat distribution models for eight DoD installations, evaluating the landscape level impact or large scale solar developments, assessing the impact of military training on 918 golden eagle nests across the southwest, modeling wildfire spread, bio-control of invasive grasses at large spatial scales, monitoring bat populations at large spatial and temporal scales and inventory and survey of over 7,000 abandoned mine features for bat use. Dr. Diamond has publications focused on; long-term mark- recapture studies, Townsend's big-eared bat roost suitability estimates and development of bat monitoring protocols, impacts of prescribed fire on small mammal and bird communities, recovering degraded sagebrush steppe habitat with targeted grazing, seedbank response to wildfire and grazing, evaluating the effectiveness of management actions in National Parks and Golden Eagle nesting habitat modeling. Joel's work history includes ten years as a regional manager for the Arizona Game and Fish Department, five years as an instructor at Utah State University, three years with the Utah Division of Wildlife, ten years contracting for the Utah Division of Oil, Gas and Mining and three years with General Dynamics. Dr. Diamond's breadth of experience and education provide a robust base for evaluating the impact of management actions in Utah, Arizona, Colorado and New Mexico.

EXPERIENCE

22 YEARS

EDUCATION

Ph.D., Ecology Utah State University

M.A., Wildlife Biology

Utah State University

B.A., Biology/Zoology Southern Utah University

Golden Vertex Corp, Moss Mine Right of Way Preconstruction Biological Surveys

SELECT PROJECT EXPERIENCE

Senior Biologist. Managing field activities and processing incoming data from the Moss Mine Phase III Right of Way - a transmission corridor extending 7 miles from municipal sources to the mine site. The project involves the survey for special-status species (ESA and BLM sensitive species) along a linear corridor to allow for transmission line installation and access.

Arizona Minerals Inc., 2019 Bat Roost Habitat Survey in the Patagonia Mountains

Senior Biologist. The objectives of the 2019 surveys were to: 1) re-survey maternity roosts, high-use roosts, and document the presence or absence of bats and sign; 2) evaluate previously unsurveyed abandoned mine features as possible bat roosting habitat in the vicinity of the re-surveyed features; and 3) identify bat species roosting within these features and/ or foraging nearby based on visual identification and acoustic recordings. The survey was conducted within and at the openings of abandoned mine features located on private lands and U.S. Forest Service lands administered by the Coronado National Forest. Dr. Diamond's role in this project consisted of project design and analysis.



Rosemont Copper, 2019 Lesser Long-Nosed Bat Roost Monitoring and Reconnaissance-Level Bat Surveys

Senior Biologist. Reconnaissance-level internal underground abandoned mine roost surveys of features that have potential to be used by bats. These bat survey methodologies fulfill, in part, the monitoring requirements outlined in FS-BR-25 in the Final Environmental Impact Statement for the Project and conservation measures K 5, 6.1-6.5, 7, and 7.1 7.6 of the Biological Opinion for the Project. Dr. Diamond's role in this project consisted of project design and analysis.

Resolution Copper, Queen Creek Project Vegetation Assessment

Senior Biologist. WestLand was retained by Resolution Copper to provide a vegetation assessment of Resolution and BHP Mineral Resources, Inc. properties along the Queen Creek riparian corridor from U.S. Highway 60 to Perlite Road in Pinal County, Arizona. The Queen Creek Project is being considered as potential mitigation to compensate for unavoidable impacts to ephemeral drainages as a result of the Resolution Copper Project. Dr. Diamond's role in this project consisted of project design and analysis.

BHP Mineral Resources Inc., Migratory Bird Treaty Act Evaluation for the Hook Exploration Drilling Plan of Operations

Senior Biologist. Evaluation of the potential impacts of exploration drilling at two sites on National Forest System lands (i.e., the Tonto National Forest [TNF]) administered by the U.S. Forest Service (USFS). WestLand Resources, Inc. (WestLand) was retained by BHP to evaluate the potential for birds protected under the Migratory Bird Treaty Act to be impacted by the proposed exploratory drilling pad sites and their existing and proposed access roads. Dr. Diamond's role in this project consisted of project design and analysis.

Rosemont Copper Company, 2019 Aquatic Invasive Species Monitoring

Senior Biologist. WestLand monitored for aquatic invasive species in 2019 in the vicinity of the planned Rosemont Copper Project. Pursuant to the monitoring guidelines provided in the draft Invasive Species Management Plan, revision 2, which summarizes the mitigation, monitoring, and reporting requirements detailed in the U.S. Fish and Wildlife Service Biological and Conference Opinion for the Rosemont Copper Mine and the U.S. Forest Service Final Environmental Impact Statement for the Rosemont Copper Project. Dr. Diamond's role in this project consisted of project design and analysis.

Rosemont Copper Company, 2019 Yellow-Billed Cuckoo Survey

Senior Biologist. The Project includes private lands and lands managed by the Coronado National Forest (CNF) in the northern Santa Rita Mountains, Pima County, Arizona. The purpose of this survey was to determine the presence and, if present, distribution of YBCUs and breeding territories in the Project area. This survey fulfills, in part, the monitoring requirements for YBCUs included in FS-BR-14 established by the CNF in the Final Environmental Impact Statement for the Project. Dr. Diamond's role in this project consisted of project design and analysis.



Resolution Copper Inc., Biological Evaluation for the Proposed Peg Leg Tailings Storage Facility

Senior Biologist. WestLand prepared this Biological Evaluation to support the U.S. Forest Service in their analysis of the Peg Leg Tailings Storage Facility Alternative proposed for Resolution Copper's planned mine development. The Peg Leg TSF, along with two pipeline corridor alternatives (East Pipeline Corridor; West Pipeline Corridor) are located within Pinal County, Arizona. The proposed Project occurs on a mix of private, Tonto National Forest, Bureau of Land Management, Bureau of Reclamation, and Arizona State Trust Lands in the vicinity of Florence, Arizona. Dr. Diamond's role in this project consisted of project design and analysis.

Pinto Valley Mine Reclamation Plot Monitoring.

Senior Biologist. Westland designed and implemented a reclamation plot monitoring protocol for the Pinto Valley Mine. This Project used a series of treatment and control plots to create a baseline for existing conditions and provide a comparison of the condition of the control plots across temporal periods that can then be used as a baseline for reclamation monitoring.

Arizona Minerals Inc. Reclamation Plot Monitoring.

Senior Biologist. Westland designed and implemented a reclamation plot monitoring protocol for the Hermosa Mine. This Project used a series of treatment and control plots to create a baseline for existing conditions and provide a comparison of the condition of the control plots across temporal periods that can then be used as a baseline for reclamation monitoring.



SAMANTHA BLONDER

PROJECT MANAGER

SUMMARY

Samantha Blonder is a Senior Environmental Specialist with 6 years of experience gained through supporting environmental permitting projects at WestLand and while serving as a Research Assistant on projects for the Coastal Watershed Institute in Fort Myers, Florida, as an Argo Research Scientist for Heliae in Phoenix, Arizona, and as a Research Assistant-Team Lead while employed at Arizona State University. In 2016, Ms. Blonder served as a volunteer for Lead Adventures South America Galapagos Islands where she assisted in invasive species removal, cultural and environmental education outreach, and sustainable farming. In her role as an Environmental Specialist at WestLand, Ms. Blonder supports the environmental team working a wide variety of water focused projects with special expertise in: ESA, NEPA, CWA, Conservation Plans, Field Work, Data Collection and Data Entry, and Water Quality Collection and Analysis.

EXPERIENCE

6 YEARS

EDUCATION

M.S., Environmental Science Florida Gulf Coast University

B.S., Biology University of South Florida

REGISTRATIONS | CERTIFICATES

MSHA Certification

SELECT PROJECT EXPERIENCE

Navajo Tribal Utility Authority (NTUA), Environmental Evaluations

Environmental Specialist. WestLand conducted environmental evaluations of 21 water line projects that were funded by the CARES Act Coronavirus Relief Fund in October 2020. The projects were located in 17 Chapters across the Navajo Nation in Arizona and New Mexico. WestLand coordinated with NTUA and Navajo Nation Department of Fish and Wildlife (NNDFW) to obtain biological clearances for each project. Species data requests were submitted to NNDFW, including project location maps, ground photographs obtained in the field, and National Wetland Inventory mapping. Species data received were analyzed for the potential occurrence of species of concern on the Navajo Endangered Species List. Results were summarized for each project site in table format and provided to NNDFW to obtain biological clearances.

Freeport-McMoRan Inc, Eagle Creek Project Environmental Assessment

Environmental Specialist. WestLand was contracted by Freeport-McMoran to prepare an Environmental Assessment (EA) for the Eagle Creek Project. The Eagle Creek project proposes to develop range improvements along eagle creek including a well, pipeline infrastructure and fencing. This project includes public scoping, an administrative draft of the EA, a draft EA for public comment, and a final EA.

Resolution Copper, EOCTRI Emory Oak Monitoring

Project Manager. WestLand was contracted to conduct data collection to support the goal of the Emory Oak Collaborative Tribal Restoration Initiative (EOCTRI) which is to restore and protect Emory oak groves (Quercus emoryi) and to ensure the sustainability of subsistence foods for Arizona tribes. This project includes field work, community outreach and data dissemination.



HVWP Management LLC, Harquahala Valley Water Project Environmental Assessment

Environmental Specialist. WestLand was contracted by HVWP Management LLC to prepare an Environmental Assessment (EA) for the Harquahala Valley Water Project. The HVWP proposes to develop infrastructure required to pump groundwater from the Harquahala Irrigation Non-Expansion Area and to convey the pumped groundwater to the Central Arizona Project (CAP Canal). This project includes public scoping, an administrative draft of the EA, a draft EA for public comment, and a final EA.

Town of Oro Valley Water Utility, Northwest Recharge, Recovery and Delivery System (NWRRDS) Design

Environmental Specialist. The WestLand and Carollo Engineering team was hired by the Town of Oro Valley for the design of the NWRRDS project. The team is providing design services for approximately 6-miles of transmission pipeline. Additionally, the team is designing the distribution main connections downstream of the proposed booster at Shannon into existing Oro Valley Water Utility distribution mains at Naranja and Tangerine Road.

Resolution Copper, LEX Phase I ESA Updates

Environmental Specialist. WestLand was contracted to conduct Phase I Environmental Site Assessments (ESAs) for a set of properties considered in the Resolution Project Land Exchange between Resolution Copper and two federal land management agencies. Work on this project includes: environmental agency records review, interviews with persons familiar with the sites, site reconnaissance, and report preparation.



DIANA SANDOVAL

SENIOR PROJECT MANAGER

SUMMARY

Diana Sandoval has 17 years of regulatory compliance and permitting services related to land use and transportation planning, distribution/ transmission power planning, renewable energy projects, mining expansions, and residential and commercial development. She offers clients coordinated and collaborative project leadership required to address multiple stakeholders. She has experience with both small- and large-scale projects involving federal, state and local requirements. Her expertise is in Phase I Environmental Site Assessments, Clean Water Act Permitting, Endangered Species Act compliance, National Environmental Policy Act documentation, Arizona State Land Department authorization and local riparian and zoning processes.

EXPERIENCE

17 YEARS

EDUCATION

M.A., Land Use and Community Planning Northern Arizona University

BSc, Regional Development University of Arizona

Phase I and Phase II Environmental Site Assessments for Commercial Real Estate Workshop

National Environmental Policy Act Compliance Workshop

REGISTRATIONS | CERTIFICATES

Mine Safety and Health Administration Certification

90-Hour Real Estate Pre-Licensing

Property Legal Description

WestLand Engineering & Environmenta Services

SELECT PROJECT EXPERIENCE

Three Sisters Solar Project, BrightNight, Pima County, Arizona

WestLand prepared a CEC application per the requirements of Arizona Revised Statutes (A.R.S.) § 40-360.03 including environmental and cultural resources studies discussing areas of biological wealth, visual resources, scenic areas recreational facilities, relevant plans of the state and local government, and any private entities' and how the project comports with those plans, provided narrative on anticipated noise emission levels and interference with communication signals, and focused on potential impacts and mitigation measures for avian species since the project is situated next to the Willcox Playa, a migratory bird hotspot known for its rich natural history and ecotourism. WestLand conducted and summarized public outreach efforts completed under Task 1.3, and other public engagement. WestLand planned and facilitated a robust public outreach effort in connection with the CEC application to identify the stakeholders for the public participation process, including agencies, local government officials, neighborhood associations, special interest groups, businesses, landowners, and residents in the area with the potential to be affected by the proposed Project. Several different public outreach efforts were conducted and facilitated by both WestLand and BrightNight including internet website (including online comment form and interactive project map), stakeholder group outreach, community and agency briefings, newsletters, public open house, and telephone information line. WestLand then supported BrightNight and their attorney in preparing for and participating in the ACC Line Siting Committee public hearing for the project including power points and expert testimony at the hearing, which was approved by the committee in a unanimous vote.

Pinal Central Substation to Tortolita Substation Transmission Line Project, Tucson Electric Power, Pinal County, Arizona

Project Manager. Managed environmental regulatory compliance for TEP transmission line project, which runs approximately 41 linear miles in Pinal County. Assisted TEP in addressing NEPA, National Historic Preservation Act,

CWA, Endangered Species Act (ESA), migratory bird protection, Arizona Pollutant Discharge Elimination System, State Native Plant Preservation and more. Coordinated with various federal entities and land management agencies to obtain all agreements, required permits and compliance documentation; the transmission line will cross privately-owned lands, lands owned by the State of Arizona and managed by the Arizona State Land Department, federally owned lands managed by the Bureau of Reclamation and the San Carlos Irrigation Project, an agency of the Bureau of Indian Affairs. Ms. Sandoval obtained an Approved JD from the Corps regarding the absence of jurisdictional waters for the project, documented that project was not likely to not adversely impact federally protected species, coordinated with AZGFD to conduct surveys for candidate species in anticipation of potential federal listing, addressed plant salvage considerations for protected native species including vegetation clearing projections, and addressed state and federal archaeological clearance requirements. Presented methods and results at the Society for Ecological Restoration November 2014 annual conference for a project study that used remote sensing and predicted growth rates to assess saguaro conflict with the transmission lines over the next 20 years.

University of Arizona, Environmental Compliance for the University of Arizona Science and Technology Park (UA Tech Park)

Project Manager. Provides on-call services for UA Tech Park addressing federal, state and local development project environmental clearances and risk reduction. Ms. Sandoval has documented compliance with CWA Section 404 under preliminary JD; obtained concurrence from the Corps of nojurisdictional waters for the UA Tech Park property; oversaw cultural resource survey and data recovery in accordance with current archaeological standards in a manner that would conform to National Historic Preservation Act (NHPA) standards; completed BEs, including surveys for listed plant species and surveys for the western burrowing owl; and prepared Phase I ESAs for prospective tenants within the Solar Zone. Ms. Sandoval has also assisted with development of formal environmental planning protocols and guidance for the UA Tech Park Master Plan. She has provided environmental documentation to support demonstration of NEPA project readiness for Department of Transportation grant applications.

Consulting Project Manager for TEP Land Resource Team

Since 2017, Ms. Sandoval has worked as a part-time land contractor with Unisource Energy Corporation (UNS)/TEP providing direct environmental consultation services as a Land Resource Department team member for power projects in Arizona. She collaborates directly with TEP's engineers, designers, project managers, and construction teams. She manages environmental and land use requirements for system reinforcement projects including new substations, distribution and transmission lines; new business connections; public improvement projects; and renewables. This includes reviews and permitting associated with various surface management agencies, municipal approvals, and other regulators and landowners, as the utility's agent.

AeroPark Substation and Distribution Lines

Ms. Sandoval was responsible for managing environmental approvals associated with a new substation located on land owned by the City of Tucson and the Tucson Airport Authority (TAA) also leased by Raytheon who would need additional power load in the area. Ms. Sandoval supported the Right of Way Agent with land right acquisition, commissioned cultural and biological surveys, obtained clearance the through Federal Aviation Administration (FAA) obstruction evaluations for



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new structures and the use of cranes during construction. The project also involved construction of a communication tower that required antenna structure registration (ASR) with the Federal Communication Commission (FCC). A National Environmental Policy Act (NEPA) environmental assessment checklist was prepared, and public notice provided. Ms. Sandoval also ensured conformance with FCC requirements for National Historic Preservation Act - Section 106 Consultation compliance pursuant to FCC regulations.

FRV-Avra Valley Solar in Pima County

Ms. Sandoval conducted a comprehensive permitting analysis and provided local, state and federal entitlement/permitting support for a 305-acre photovoltaic solar power generation facility located on fallow farmland northwest of Tucson. Local permitting support for the Conditional Use Permit and site development plan included cultural surveys, noise studies, biological surveys and coordination with US Fish and Wildlife Service and Arizona Game and Fish Department. WestLand prepared a Biological Impact Report to address Pima County's Conservation Land System requirements and prepared a subsequent Habitat and Vegetation Restoration Plan in cooperation with local conservation groups as a condition to the Conditional Use Permit. WestLand also assisted with implementation and monitoring as the project was constructed and designed and developed a special western burrowing owl habitat area in coordination with Arizona Game and Fish Department.

