# Phase I Environmental Site Assessment Apache Leap South End, Pinal County, Arizona

# Prepared for:

# RESOLUTION

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

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WestLand Project Number: 13095



# May 15, 2025





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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 140 acres referred to as Apache Leap South End ("the Property"; **Figure 1**). 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 113<sup>th</sup>). The Property is located within Sections 1, 2, and 12 of Township 2 South, Range 12 East relative to the Gila and Salt River Meridian, in Pinal County, Arizona. The Pinal County Assessor Parcel Numbers (APNs) for the Property are 105-15-003 and 105-15-004.

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... " (1) 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 Pinal County APNs 105-15-003 and 105-15-004, on February 24, 2025; no records of environmental liens or AULs associated with the Property were identified. The current deed for the Property was executed August 12, 2004, and recorded January 31, 2005, conveying ownership from BHP Copper Inc. (formerly Magma Copper Company) to Resolution.

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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.

#### 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, and included ASTM 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 from the boundaries of the Property to the minimum search distance recommended by the ASTM standard. A government record for one small mine appears to be located at the Property (originally developed by the Daggs Group) and three additional small mines appear to be located on adjoining Property to the west (Grand Pacific Mine, Belmont Mine, and BHP Copper) WestLand considers it unlikely that any of these records indicate a REC for the Property based on the nature and status of the listings and their distance or geographical situation relative to the Property.

WestLand obtained the property tax maps and parcel detail reports for the Property that indicate there are named unpatented mining claims registered within the Property; however, the Property is considered vacant with no assessed buildings or other improvements.

Historical Topographic Maps—WestLand reviewed historical topographic maps of the Property and vicinity from 1900 to 2021. The Property is depicted as undeveloped land other than an unimproved road that enters the Property from the south and travels northeast into the southern portion of the Property. Various other unimproved roadways and trails are shown in the area surrounding the Property to the east, south, and west as well as several earthen livestock tanks and small mining features. The historical topographic maps did not reveal any indication of RECs for the Property

**Historical Aerial Photographs**—WestLand reviewed historical aerial photographs for the Property from 1943 to 2019. Development shown in these photographs appears to be limited to unpaved roads and remnant mining exploration. There is no evidence in these photographs that suggest specific anthropogenic use from at least 1953. The historical aerial photographs did not reveal any indication of RECs for the Property.

Prior Environmental Reports—WestLand conducted Phase I ESAs in 2015, 2020, and 2024 that revealed no evidence of a potential REC, historical RECs, controlled RECs, or *de minimis* conditions in connection with the Property (WestLand 2015, 2020a, 2024). The 2020 Phase I ESA environmental records identified two small mines within the surrounding area: the Grand Pacific Mine and the Belmont Mine, neither of which are indicative of a REC for the Property or the surrounding area (WestLand 2020a). There are no changes to the condition of the Property or surrounding area since 2024 which indicate a REC for the Property.

Other Historical Records —The Property was inspected for cultural resources in November 2015 and all of the findings are attributed to Historic period Euroamerican resources that, together, represent mining-and ranching-related activities from the late 1800s through mid-1900s (Daughtrey and Huntington 2016).

# Physical Setting

The Property is located in the mountains immediately east and south of the Town of Superior, Arizona (Superior) in a transitional zone on the northeastern edge of the Basin and Range physiographic province that borders the Central Highlands. Elevations range from 3,680 feet to 4,720 feet above mean sea level (amsl) at a high point on the Apache Leap escarpment that overlooks Superior. The western edge of this area is steep, with the cliffs of the Apache Leap escarpment rising abruptly above Superior. East of the Apache Leap escarpment is an area of parallel ridges and valleys that trend to the southeast.

The Property spans two different groundwater basins: the East Salt River Valley sub-basin located within the larger Phoenix Active Management Area (AMA) groundwater basin and the Mammoth sub-basin within the larger Lower San Pedro groundwater basin. The vast majority of the Property lies within the East Salt River Valley sub-basin, topographically identified by the top of the Apache Leap escarpment (ADWR 2015). The small portion of the Property on the east side of the escarpment lies within the Mammoth sub-basin (ADWR 2015).

Groundwater in the vicinity occurs in three separate local systems: a shallow groundwater system, the Apache Leap Tuff aquifer, and a deep groundwater system (Resolution 2016). Characterization of the geology and hydrogeology in the vicinity (Montgomery & Associates 2010) indicates that the Concentrator fault, located to the west of the Property, acts as a barrier to groundwater movement between the shallow and intermediate-depth groundwater systems. There appear to be no surface water features within the Property, with the exception of minor ephemeral headwater drainage features which convey stormwater flow generally to the west. The upper canyons within the foothills area are headwaters for several ephemeral drainages (including Pacific Canyon, Belmont Canyon, and Donkey Canyon) that report to Queen Creek.

#### Historical Use

WestLand reviewed a variety of documentary sources related to mining to collect specific information on historical mine workings in the immediate vicinity of the Property. While the major underground and surface workings in the district were concentrated around the old Magma and Silver King mines to the east and northeast of the Property, other smaller mining operations were historically located to the southeast of the town along the southern extent of Apache Leap, including some within the Property. The major underground mines in this area surrounding (but not extending onto) the Property were known as the Grand Pacific and Belmont mines.

The Property is located just to the east and north of the main entrances to the old Belmont and Grand Pacific mines on lands patented under federal mining law. Portions of the claims comprising the Property that appear to date to the early 1900s have been explored historically for the presence of economic minerals using surface (e.g., open cuts) and underground methods (e.g., shafts, tunnels, etc.); in a few cases, exploration appears to have led to actual development and exploitation on a small scale.

#### Site Reconnaissance

On March 11, 2025, WestLand environmental specialist, Christopher Rife performed a site reconnaissance to visually assess existing environmental conditions for the Property. Field observations were consistent with the findings of WestLand's previous reports, historical records review, and interviews regarding the Property and surrounding properties as well as site-specific information about mining features obtained from Resolution. The Property is generally characterized as undeveloped open space but has evidence of historical low-intensity mining use in the form of numerous prospects, shafts, and adits (horizontal shafts) with associated small waste rock piles. Resolution undertook extensive efforts to improve safety conditions on the Property by adding steel grating to shafts and other features in 2005 to prevent entrance and falls; these remain in good condition. Additional mine features beyond those observed during the site reconnaissance may be present at the Property. There has been no recent use of the Property by the current owner, but it is expected that recreational activities (e.g., rock climbing and hunting) on adjacent public lands have trespassed onto the private Property.

#### 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: Adam Bromley representative for the USFS.
- Representatives from the Queen Valley Fire District (QVFD) and Superior Fire Department were contacted but no responses have been received at this time.

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 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 140 acres referred to as Apache Leap South End ("the Property"; **Figure 1**). 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 113<sup>th</sup>). The Property is located within Sections 1, 2, and 12 of Township 2 South, Range 12 East relative to the Gila and Salt River Meridian, in Pinal County, Arizona. The Pinal County Assessor Parcel Numbers (APNs) for the Property are 105-15-003 and 105-15-004; these two parcels comprise a larger area than the Property itself.

# 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: "...(1) 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." This term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies. Conditions determined to be de minimis are not RECs.

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 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

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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.

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) compliance 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). The User provided certain title records to WestLand. WestLand also commissioned a search for environmental liens and AULs by a title professional on behalf of the User; see **Section 3** of this report.

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 113<sup>th</sup>). 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 on which the component was 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 ground photographs with GPS locations provided in **Appendix A** are shown in **Figure 4**.

#### 2.1. LOCATION AND LEGAL DESCRIPTION

The Property occurs within a well-known copper mining district, southeast of the Town of Superior (Superior), south of U.S. Highway 60 (US 60), and east of Arizona State Highway 177 (SR 177) within a private landholding surrounded by Tonto National Forest lands. The Property is located in portions of Sections 1, 2, and 12 of Township 2 South, Range 12 East relative to the Gila and Salt River Meridian, in Pinal County, Arizona (**Figure 1**). The Property abuts the Apache Leap Withdrawal Area and is part of the Apache Leap Special Management Area. The Pinal County APNs for the Property are 105-15-003 and 105-15-004.

### 2.2. SITE AND VICINITY GENERAL CHARACTERISTICS

The Property comprises approximately 140 acres and is located along the southern end of the Apache Leap, a prominent geologic feature that visually dominates the skyline east of Superior. The Property encompasses portions of the Apache Leap cliff face as well as rugged terrain of several ridges and drainages emanating from the cliff. The Property is accessible from SR 177, Apache Leap Road, and unimproved roads or trails.

# 2.3. CURRENT USE OF THE PROPERTY

The Property is generally undeveloped open space but has evidence of historical mining use in the form of numerous prospects and adits (horizontal shafts) with associated small waste rock piles. Unpatented mining claims are registered for the Property, but none are currently being mined. There is no evidence of historical human occupation or significant recreational use of the Property.

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

Developed features at the Property are limited. Overgrown and eroded dirt roads, remnants of historic mining activities, and placement of claims/boundary markers are the only apparent improvements at the Property.

# 2.5. CURRENT USES OF ADJOINING PROPERTIES

Land use in all directions is characterized by open space. Some surrounding areas are used for cattle grazing and for recreation (e.g., hiking, birdwatching). Mining claims occur on Tonto National Forest land surrounding the Property.

### USER PROVIDED INFORMATION

The report User and landowner is Resolution who provided relevant information about the Property. The User and Owner representative is Casey McKeon. The USFS is another report User, whose representative is Adam Bromley. Copies of the User and Owner Questionnaires are provided as **Appendix B**. Information provided by the Users is summarized in the following subsections.

### 3.1. TITLE RECORDS

WestLand was provided with the special warranty deed for the Property that accompanied the search of available land title records for environmental liens and AULs on the Property (Pinal County APNs 105-15-003 and 105-15-004). The Special Warranty Deed was executed August 12, 2004, and recorded January 31, 2005, conveying ownership from BHP Copper Inc. (formerly Magma Copper Company) to Resolution. Copies of the deeds are included in **Appendix C**.

#### 3.2. ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

Neither Resolution nor the USFS is 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 on behalf of the User. 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 C**). Copies of the deeds associated with the Property are included in the environmental lien and AULs report.

### 3.3. SPECIALIZED KNOWLEDGE

Resolution provided no information regarding specialized knowledge of the Property except that adjacent land is also owned by Resolution and includes historical mining and development activities.

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

# 3.4. COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

Resolution reported that mining activities have possibly occurred on nearby land. No other commonly known or reasonably ascertainable information relevant to potential RECs was provided by Resolution.

### 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 LESA

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 113<sup>th</sup>).

#### 3.7. OTHER

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 ASTM 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 from the boundaries of the Property 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 are provided in **Appendix D**.

A government record indicated that one mine is located at the Property, and additional mines are located on property to the west and south. Four occurrence records were identified on multiple databases for land located within the ASTM-recommended minimum search distances from the Property boundaries (**Table 1**). WestLand considers it unlikely that these records are indicative of a REC for the Property based on the nature and status of the listings and distance or geographical situation relative to the Property. Additional historic review of mining activity in the vicinity of the Property is provided in **Section 4.4.6**.

Databases Site **Analysis** Listed Identified at the west boundary of the central part of the Property. The record identifies an underground mine—past **MINES** producer (stopped producing during the 1980s) with Daggs Group MRDS commodities of lead, iron, molybdenum, and vanadium. The Daggs Group record is also associated with the Belmont Mine. Identified west of the Property approximately 0.25 miles from **US-MINES** the Property. The record indicates a permanently abandoned BHP Copper Inc. copper mine. Identified south of the Property. The record identifies an **MINES** underground mine - past producer (stopped production Grand Pacific Mine MRDS during the 1950s) with commodities of copper, silver, gold, and manganese. Identified west of the Property. The record identifies an MINES underground mine—past producer with commodities of copper, **Belmont Mine** MRDS silver, gold, lead manganese molybdenum, and vanadium. The Belmont Mine is also associated with the Daggs Group.

**Table 1. Detailed Environmental Records Evaluation** 

### 4.2. PRIOR ENVIRONMENTAL REPORTS

WestLand conducted Phase I ESAs of the Property in 2015, 2020 and 2024 that revealed no evidence of a potential REC in connection with the Property (WestLand 2015, 2020a, 2024).

The 2020 Phase I ESA environmental records identified two small mines within the surrounding area: the Grand Pacific Mine and the Belmont Mine, neither of which are indicative of a REC for the Property or the surrounding area. 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 reviewed 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 mountains southeast of Superior in a transitional zone on the northeastern edge of the Basin and Range physiographic province that borders the Central Highlands. Elevations range from 3,680 feet to 4,720 feet above mean sea level (amsl) at a high point on the Apache Leap escarpment that overlooks Superior. The western edge of this area is generally very steep, with the cliffs of the Apache Leap escarpment rising abruptly above Superior. East of the Apache Leap escarpment, an area of parallel ridges and valleys trends to the southeast.

## 4.3.2. Soils

Data provided by the National Cooperative Soil Survey through Web Soil Survey (Soil Survey Staff 2025)<sup>3</sup> indicate that 97 percent of the Property is located within two soil complexes and 3 percent of the Property is unmapped for soils. The mapped soil complexes are well drained and occur on mountainous areas.

Rock outcrop-Woodcutter complex is composed of 50-percent Rock outcrop (tuff) and 40-percent Woodcutter soils. The Woodcutter series consists of very shallow and well-drained soils that formed slope alluvium and is typically weathered from granite and metamorphic rock. The series is on hills and mountains with slopes ranging from 15 to 50 percent. Permeability is very low to low (Soil Survey Staff 2025).

Rock outcrop-Mabray-Pantak complex is composed of 40-percent Rock outcrop, 35-percent Mabray soils, and approximately 15-percent Pantak soils. The Mabray series consists of shallow to very shallow, well-drained soils formed in slope alluvium. Mabray soils are on hills and mountains and have slopes of 3 to 75 percent. Permeability is moderate. The Pantak soil series consists of very shallow to shallow, well drained soils formed in mixed slope alluvium, colluvium, and residuum from igneous rock. Pantak soils are on pediments, hills, and mountains with slopes of 5 to 60 percent. Permeability is moderate (Soil Survey Staff 2025).<sup>3</sup>

# 4.3.3. Geology

The topography of the area is dominated by the west-facing Apache Leap escarpment that shows up to 1,970 feet of vertical displacement. East of the escarpment is an upland, capped by welded tuff (Apache Leap tuff). West of the escarpment, rough terrain at lower elevations was formed by erosion acting on faulted basement blocks. Superior is located in a down-dropped, fault-formed basin.

The geomorphology of the area can be attributed to north- to northwest-trending, down-to-the-west, Basin and Range-style normal faults with Tertiary to Quaternary movement (Hehnke et al. 2012). These faults include the Concentrator, Main, and Conley Springs. Relative downward movement of a structural block west of the Concentrator fault has formed the Superior basin and exposed the thick sequence of sedimentary rocks and tuff along Apache Leap. South of the Conley Springs fault, between the Concentrator fault and the upland capped with Apache Leap tuff, the layered rocks are tilted eastward and are cut by a complex of major faults that are subsidiary to the Concentrator fault. West of the Concentrator fault, the down-dropped Superior basin is filled with horizontal to eastward-dipping volcanic flows, tuffaceous sediments, and alluvium (Hammer and Webster 1962). Regional extension, normal faulting, and tilting ended after Tertiary volcanism and during the deposition of conglomerate and sandstone (Spencer and Richard 1995).

Apache Leap Tuff (Tal), the youngest consolidated formation in the area, forms the Apache Leap escarpment. Underlying Paleozoic sedimentary rocks (Pz) and younger Precambrian sedimentary rocks (pCy) are exposed at the foot of the escarpment. Tertiary Whitetail Conglomerate (Tw) is present, with

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<sup>&</sup>lt;sup>3</sup> Soil Survey Staff accessed online on February 26, 2025.

limited exposure at the toe of the slope on the western side of Apache Leap. A Quaternary alluvial deposit (Qal) overlies the Apache Leap Tuff in a small area in the southwestern portion of the Property. Apache Leap Tuff is a crystal-rich quartz latite ashflow tuff that overlies the Whitetail Conglomerate and forms the Apache Leap escarpment. The Whitetail Conglomerate (Tw) forms a northeast-thickening succession of predominantly poorly sorted conglomerates (Hehnke et al. 2012).

# 4.3.4. Hydrology

Based on review of recent aerial photography and topographic mapping, and site visits conducted in 2015, 2020, 2023, and 2025 there appears to be no perennial or intermittent surface water features within the Property, although there are minor ephemeral headwater drainage features that convey stormwater flow generally to the west (WestLand 2015, 2020a, 2024). The upper canyons within the foothills area are headwaters for several ephemeral drainages (including Pacific Canyon, Belmont Canyon, and Donkey Canyon) that report to Queen Creek. The National Wetlands Inventory (NWI) map does not identify any wetlands within the Property (U.S. Fish and Wildlife Service 2025).<sup>4</sup>

The area has been mapped by the Federal Emergency Management Agency (FEMA) on Flood Insurance Rate Map (FIRM) panel no. 04021C0290E, effective 12/4/2007. The Property is mapped as Zone X, denoting areas of minimal flood hazards.

# 4.3.5. Hydrogeology

The Property spans two groundwater basins: the East Salt River Valley sub-basin located within the larger Phoenix Active Management Area (AMA) groundwater basin and the Mammoth sub-basin within the larger Lower San Pedro groundwater basin. The vast majority of the Property lies within the East Salt River Valley sub-basin, topographically identified by the top of the Apache Leap escarpment (ADWR 2015). The small portion of the Property on the east side of the escarpment lies within the Mammoth sub-basin (ADWR 2009).

Groundwater in the vicinity occurs in three separate local systems: a shallow groundwater system, the Apache Leap Tuff aquifer, and a deep groundwater system (Resolution 2016). Extensive characterization of the geology and hydrogeology in the vicinity (Montgomery & Associates 2010) indicates that the Concentrator fault, located to the west of the Property, acts as a barrier to groundwater movement between the shallow and intermediate-depth groundwater systems. Less information is available on the deep groundwater systems, but available information suggests that the hydraulic connection of the deep groundwater systems across the Concentrator fault is limited to where legacy mine workings locally cross the fault (WestLand 2017).

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. No wells were registered within the Property boundary. There were several registered wells identified within a 1-mile buffer around the Property

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<sup>&</sup>lt;sup>4</sup> Accessed online March 3, 2025.

(**Figure 2**). Records indicate that these wells were drilled for mineral exploration or monitoring or are exempt wells (wells with a pump capacity less than 35 gallons per minute and that are used only for non-irrigation purposes). Reported depth for these wells is up to 3,571 feet bgs (below ground surface) (ADWR 2023).<sup>5</sup> Groundwater flow direction at the Property likely follows the surface gradient to the west, generally paralleling drainages.

In 2015, WestLand reviewed records for the three wells registered as soil vapor extraction wells that were approximately 1 mile west of the Property along the east boundary of Superior and downgradient of the Property, with regard to surface and assumed groundwater flow (ADWR 2020, WestLand 2015).<sup>6</sup> The records indicate these wells were abandoned because a "remediation project was completed." While the presence of these wells suggests a past environmental condition near Superior, considering the status of these wells (closed as remediation was completed) and their location in relation to the Property (downgradient), these wells do not indicate an environmental concern for the Property. ADWR records do not indicate that the current monitoring wells and mineral exploration wells in the vicinity are associated with known groundwater remediation concerns.

# 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 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 1900, 1902, 1948, 1949, 1981, 2004, 2014, 2018, and 2021 (**Appendix E**). USGS topographic map coverage for the Property is provided on the Superior 7.5-minute quadrangles at a 1:24,000 scale and Florence 30-minute quadrangles at 1:100,000 scale. Topographic maps depict both natural and developed features, including wells, structures, and other indications of historical use. The following summary presents WestLand's review of the identified mapped features on or in the vicinity of the Property in chronological sequence.

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<sup>&</sup>lt;sup>5</sup> Accessed online May 10, 2023.

<sup>&</sup>lt;sup>6</sup> Accessed online July 31, 2020.

The 1900 and 1902 quadrangles depict the Property as undeveloped desert land. There are no developed features depicted on the Property with the exception of a road that crosses a small area of the southern portion of the Property. Developed features within the surrounding area include additional roads.

The 1948 and 1949 quadrangles also depict much of the Property as undeveloped desert land. There are no developed features depicted on the Property with the exception of a mine shaft and prospect on the northern part of the Property. The southern road shown in the 1900 and 1902 map is no longer shown to cross the Property. Developed features on land surrounding the Property are generally limited to mine workings (shafts, prospects, mine tunnel/cave entrances) and primitive road access to the mines. The Belmont and Grand Pacific mines are shown west of the Property, with numerous mine shafts and prospects. An unimproved road provides access to the mines from a secondary highway. The Belmont Mine has a powerline running to it, as well as some buildings and a tank.

The 1981 quadrangle depicts the Property in largely the same conditions as the 1948 and 1949 maps. On land west of the Property, the former secondary highway is now depicted as a light duty road. New roadways are shown northwest and northeast of the Property. An impoundment of water, presumably a stock tank, is also depicted east of the southern part of the Property.

The 2004 quadrangle depicts the Property in largely the same conditions as the 1981 map. This map also provides color-coding for private lands. Additional offsite mining elements are named.

The 2014, 2018, and 2021 quadrangles provide less detailed features than the prior maps. Canyons and topography including Apache Leap cliff are the predominate features on this map. Apache Leap Road is depicted west of the southern part of the Property and several drainages are shown, flowing toward the west, away from Apache Leap. Developed features on this map are generally limited to roadways.

# 4.4.2. Historical Aerial Photographs

WestLand obtained historical aerial photographs depicting the Property and vicinity dating from 1943, 1945, 1953, 1961, 1971, 1980, 1992, 2003, 2007, 2010, 2015, and 2019 (**Appendix F**). These were reviewed at scale 1" = 875'. 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. None of the historical aerial photographs definitively display developed features at the Property. A small, cleared area is evident in the south part of the Property in the 1945 and 1953 photographs. Dirt roadways can be seen in all maps on land surrounding the Property. The locations of these roads correspond to those depicted in the quadrangle maps. A tank is observed southeast of the Property starting in the 1980 photograph.

# 4.4.3. Property Tax Files

WestLand obtained the property tax maps for the Property and adjoining areas from the Pinal County Assessor in 2015 (WestLand 2015). Parcel details were verified in 2020 (WestLand 2020a) and 2023. The Property map and assessor parcel details are provided in **Appendix G**. This map indicates the name of mining claims located at the Property and provides parcel numbers (APNs 105-15-003 and 105-15-004). The appended parcel details (**Appendix H**) provide the name of mining claims registered at the Property and surrounding area and 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**) that includes a search of available city directory data at 5-year intervals for the Property, which yielded no records for the Property.

# 4.4.5. Sanborn Fire Insurance Maps

Sanborn Fire Insurance Maps typically cover development in the first half of the 20<sup>th</sup> 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. Other Historical Sources

The Property was inspected for cultural resources in November 2015 and all of the findings are attributed to Historic period Euroamerican resources that, together, represent mining- and ranching-related activities from the late 1800s through mid-1900s (Daughtrey and Huntington 2016).

WestLand reviewed a variety of documentary sources related to mining to collect specific information on historical mine workings in the immediate vicinity of the Property (Daughtrey and Huntington 2016, WestLand 2015). The Property is located in the Superior mining area or Pioneer mining district, a historical silver and copper mining area in and around Superior, Pinal County, Arizona (Keith et al. 1986, Short et al. 1943). Early mining efforts during the 19<sup>th</sup> century targeted silver (e.g., the Silver King mine) with later operations such as the Magma mine working copper and other base metals. While the major underground and surface workings in the district were concentrated around the old Magma and Silver King mines to the east and northeast of Superior, other smaller mining operations were located to the southeast of the town along the southern extent of Apache Leap. The major underground mines in the area surrounding the Property were the Grand Pacific and Belmont mines, surface expressions of which do not lie within the Property.

## 4.5. GENERAL RESEARCH ON MINES IN THE IMMEDIATE VICINITY

WestLand reviewed data obtained from the USGS Mineral Resource Data System (MRDS) and Mindat to obtain general information on the mines in the immediate vicinity of the Property (Mindat 2020, USGS 2020).<sup>7</sup> The MRDS records generally correspond to the government records reviewed in **Section 4.1**. One mine was located within the Property and two are within 0.25 miles of the Property. Additional mine sites are located within 1 mile, but all are located downgradient of the Property with regard to surface water and likely groundwater flow direction. General information for the four nearest mines (Daggs Group, Belmont Mine, Grand Pacific Mine, BHP Copper, Inc.) is provided below. The Daggs Group Mine appears to be part of the Belmont Mine and overlapping information is provided for these records. However, these mines are assigned individual identification numbers and addressed individually below. The following information includes summaries and excerpts taken directly from USGS MRDS and Mindat (with minor edits for clarification) (Mindat 2020, USGS 2020).

# Daggs Group

The mine identified at the western boundary of the Property is Daggs Group, a past producer of lead, iron, molybdenum, and vanadium. The site identification (ID) numbers for this record are: Deposit ID 10113245 and MAS/MILS ID 0040210285. The combined Mindat record for the Daggs Group indicates a former underground lead-iron-vanadium-molybdenum-manganese group of claims/mine located on the westerly slope of Apache Leap, near Superior, on National Forest System (NFS) land (Mindat (2020).

### **Belmont Mine**

This mine is reported approximately 0.2 miles west and downgradient of the Property as a past producer of copper, gold, lead, manganese, molybdenum, silver, and vanadium. The ID numbers for this record are: Deposit ID 10210657 and 10088908, MRDS ID M899889, and MAS/MILS ID 0040210158. Land status data indicate that this mine is on NFS land; however; ownership is listed as Belmont Copper Mining Co (1961) and Magma Copper Co. (1980) (USGS 2020). Mindat (2020) further notes this mine is a former underground copper-silver-lead-zinc-gold-manganese-vanadium. It was reportedly discovered in 1899 by A.J. Daggs and originally developed by the Calumet and Arizona Mining Co. from 1913 to 1914. The mine reportedly produced until 1945,was owned by the Magma Copper Co. (1976) and operated by Charles H. Smith (Mindat 2020).

#### **Grand Pacific Mine**

This mine is reported approximately 0.15 miles west and downgradient of the Property as a past producer of copper, silver, gold, iron, and manganese. The ID numbers for this record may include Deposit ID 10048317 and 10283301, MRDS ID M899887 and M899887, and MAS/MILS ID 0040210485. There are two separate land status data and ownership records for this mine. One indicates this mine is on private

<sup>&</sup>lt;sup>7</sup> USGS and Mindat databases accessed July 31, 2020.

land and the owner in the MRDS record is Juan Ortega (1955); the other indicates the mine on NFS land and owners as Guzman and Schwartz (1955) and Fredric S. Smith (1961) (USGS 2020). This mineral site was discovered in 1885 by John Sandal and ceased production in 1967 (Mindat 2020).

# BHP Copper Inc.

This mine is reported to be approximately 0.25 miles from the Property. The record indicates a permanently abandoned copper mine owned by BHP Copper. The Mine ID is 0200791. This record overlaps with the Harborlite Mill record 0040210051, which was a past producer of crushed and broken stone (USGS 2020).

### 4.6. MINE WORKINGS POTENTIALLY PRESENT AT THE PROPERTY

In order to gather baseline information on the presence/absence of underground and surface mining features on the Property, WestLand reviewed the official Mineral Survey (MS) plats for these claims as well as underground maps found in Arizona Bureau of Mines Bulletin 151 (Short et al. 1943). The research determined that both surface and underground mining features are present on and near the Property. These features include small open cuts, shafts, tunnels, raises, crosscuts, and more extensive underground workings extending from the Grand Pacific and Belmont mines.

The Property is located just to the east and north of the main entrances to the old Belmont and Grand Pacific mines on lands patented under federal mining law. Portions of the claims comprising the Property that appear dated to the early 1900s have been explored historically for the presence of economic minerals using surface (e.g., open cuts) and underground methods (e.g., shafts, tunnels, etc.). In a few cases, exploration appears to have led to actual development. Small surface and underground mining features are located within the Property. There is some potential for such historic mine features to produce acid mine drainage or impact groundwater if water accumulates in mineralized rock or waste rock. However, there was no discoloration or distressed vegetation noted by WestLand during site reconnaissance (see Section 5) around existing surface mining features, and accumulation of water in underground mining features is speculative. Acid mine drainage within the Property is not known to be present and is not considered likely.

The northernmost part of the Property encompasses the entire Panic claim (**Appendix M**, MS 2836), portions of the Selma and Skiberean claims (**Appendix M**, MS 2837), and the entire Hillside claim (**Appendix M**, MS 2838). The central part of the Property encompasses the entire Touch Not No. 3 claim (**Appendix M**, MS 2838). The southern part of the Property encompasses the entire Rawhide claim (**Appendix M**, MS 2838), the entire Pacific No. 32 claim (**Appendix M**, MS 3581), and the entire Grand Lode claim (**Appendix M**, MS 3581).

# 5. SITE RECONNAISSANCE

On March 11, 2025, WestLand environmental specialist Christopher Rife performed a site reconnaissance to visually assess existing environmental conditions for the Property. Mr. Rife was accompanied by a Resolution representative, Mr. Anthony Castenada. Photographs documenting pertinent features are provided in **Appendix A**. The approximate photograph locations are shown in **Figure 4**. The USFS *Site Visit Survey-Visual On-Site Inspection of the Property and of Adjoining Properties* Worksheet is provided as **Appendix N**.

#### 5.1. METHODOLOGY AND LIMITING CONDITIONS

Prior to conducting the site reconnaissance, WestLand reviewed prior environmental reports along with current and historical aerial photographs and topographic maps 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 potential disturbance through pedestrian surveys, which included the Property and publicly accessible adjoining properties. Field observations were consistent with the findings of WestLand's prior reports and historical records review of the Property and surrounding properties as well as site-specific information on mining features obtained from Resolution.

While the Property cannot be accessed directly by vehicle, it can be reached by overland hiking from unimproved roads and trails. The Tonto National Forest road and trail network approaches from the east and west but does not enter the Property. A dirt road in Belmont Canyon and trails in Donkey and Pacific canyons lead from Ray Road (also known as Apache Leap Road) through the foothills adjacent to the Property. The primitive road is designated for high-clearance vehicles. A dirt road approaches the Apache Leap South End from the east and ends approximately 0.7 miles from the southernmost part of the Property. There is no on-site evidence of significant recreational activities such as off-road vehicle use or camping; anecdotally (from the accompanying Resolution representative), the Property is occasionally used for hunting but no visual evidence (e.g., rifle or shotgun shells) of this activity was observed.

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 has historically been used for small mine operations. There has been no recent use of the Property by the current owner, but it is expected that recreational activities (e.g., rock climbing and hunting) on adjacent public lands may have trespassed onto the private Property in the past. Numerous mine prospects—exploration pits, adits, shafts, and associated waste rock piles, both mapped and unmapped—were observed on and near the Property (**Appendix A**; **Figure 4**). Resolution undertook extensive efforts to improve safety conditions on the site in 2005 by adding steel grating to shafts and other features to prevent entrance and falls; these remain in good condition.

#### 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

One rusted water drum was observed at the Property in 2015. The drum was not observed in 2025.

# 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.

#### 5.3.8. Wastewater

No features associated with wastewater storage and disposal were observed on the Property or on adjoining properties.

# 5.3.9. Septic Systems

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

#### 5.3.10. Wells

No wells were observed at the Property or adjacent to the Property. A few mine exploration boreholes were observed adjacent to the Property but appeared to have been backfilled and sealed.

# 5.3.11. Stained Soil or Pavement

No stained soil or pavement was noted on the Property or on adjoining properties.

# 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. Small waste rock piles from mine shafts or adits were observed on the Property and adjacent to 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. Ms. McKeon indicated that to her knowledge, the Property was vacant and not used for development. She reported that mining activities have occurred on nearby land. She is not aware of any information potentially indicating 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.

### 6.4. INTERVIEW WITH LOCAL GOVERNMENT OFFICIALS

On February 26, 2025, WestLand reached out to the Queen Valley Fire District (QVFD) and Superior Fire Department regarding confirmation of their service area, and whether or not they have responded to the Property or adjoining properties with regard to fuel/chemical spills or if they were aware of any chemical or petroleum product storage at the Property. At the time of this report, they have not responded to the inquiry. If a response is received, it will be incorporated as an addendum to this report.

For a prior Phase I ESA, on April 20, 2023, WestLand interviewed the QVFD During that interview, a representative of QVFD, at <a href="mailto:station551@queenvalleyfire.org">station551@queenvalleyfire.org</a> reported that they have no record of any incidents on the Property.

#### 6.5. INTERVIEWS WITH OTHERS

In 2020, Sterling Hundley was interviewed on behalf of Resolution as the User and Owner (WestLand 2020b). His interview responses were consistent with Casey McKeon's 2025 responses on behalf of Resolution.

In February 2024, Eric Hoskins (USFS) completed the User questionnaire for the Property. He was not aware of any information potentially indicating a REC for the Property.

On February 26, 2025, Adam Bromley (USFS) completed the User questionnaire for the Property. Mr. Bromley indicated that to he has no knowledge of the Property's use, besides for possible grazing. In a

previous interview in 2023 Mr. Bromley also reported that the Property is located in a grazing allotment (Farrell grazing allotment) and the Hale Family Trust- Ranch Manager is Jerry Smith. No other commonly known or reasonably ascertainable information relevant to potential RECs was provided by the USFS. He was not aware of any information potentially indicating a REC for the Property. Responses to specific inquiries are included in **Appendix B**. He was not aware of any information potentially indicating a REC for the Property.

No other individuals were interviewed as part of this investigation.

# 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:

- The Property occurs within a well-known copper mining district, southeast of Superior, south of US 60, and east of SR 177, within a private landholding surrounded by Tonto National Forest lands. WestLand reviewed a variety of sources related to mining to collect specific information on historical small mine workings on and in the immediate vicinity of the Property. While the major underground and surface workings in the district were concentrated around the old Magma and Silver King mines to the east and northeast of Superior, other smaller mining operations were located historically to the southeast of the town along the southern extent of Apache Leap. The largest of the small underground mines in the area of the Property were known as the Grand Pacific and Belmont mines. These findings do not indicate a REC, historical REC, controlled REC, or *de minimis* conditions for the Property.
- In order to gather baseline information on the presence/absence of underground and surface mining features on the Property, WestLand reviewed the official Mineral Survey (MS) plats for these claims as well as underground maps found in Arizona Bureau of Mines Bulletin 151. The Property is located just to the east and north of the main entrances to the old Belmont and Grand Pacific mines on lands patented under federal mining law. Portions of the claims comprising the Property that appear to date to the early 1900s have been explored historically for the presence of economic minerals using surface (e.g., open cuts) and underground methods (e.g., shafts, tunnels, etc.). In some cases, exploration appears to have led to actual development. Research indicates that small surface and underground mining features are located within the Property. These features include small open cuts, shafts, tunnels, raises, crosscuts, and more extensive underground workings extending from the otherwise off-site Grand Pacific and Belmont mines. There is some potential for such historic mine features to produce acid mine drainage or impact groundwater if water accumulates in mineralized rock or waste rock. However, there was no discoloration or distressed vegetation noted around existing surface mining features, and accumulation of water in underground mining features is speculative. While historic mining features provide some potential

for impacts to surface or groundwater by contact with mineralized rock, acid mine drainage is not known to be present and is not considered likely. These findings do not indicate a REC, historical REC, controlled REC, or *de minimis* conditions for 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 conducted 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 from the boundaries of the Property to the minimum search distance recommended by the ASTM standard. A government record for one mine appears to be located at the Property (owned by the Daggs Group) and three additional mine records appear to be located on property to the west and south (Grand Pacific Mine, Belmont Mine, and BHP Copper) WestLand considers it unlikely that any of these records indicate a REC for the Property based on the nature and status of the listing and its distance or geographical situation relative to the Property.
- WestLand previously obtained the property tax maps and parcel detail reports for the Property. This information indicates there are named unpatented mining claims registered within the Property; however, the Property is considered vacant with no assessed buildings or other improvements. These findings do not indicate a REC, historical REC, controlled REC, or de minimis conditions for the Property.
- WestLand engaged 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 (Pinal County APNs 105-15-003 and 105-15-004) on February 24, 2025; no records of environmental liens or AULs associated with the Property were identified. The current deed for the Property was executed August 12, 2004, and recorded January 31, 2005, conveying ownership from BHP Copper Inc. (formerly Magma Copper Company) to Resolution. These findings do not indicate a REC, historical REC, controlled REC, or *de minimis* conditions for the Property.
- On March 11, 2025, WestLand environmental specialist Christopher Rife performed a site reconnaissance to visually assess existing environmental conditions for the Property. Field observations were consistent with the findings of WestLand's historical review of the Property and surrounding properties as well as site-specific information about mining features obtained from Resolution. The Property is generally undeveloped open space but has evidence of historical low-intensity mining use in the form of numerous prospects, shafts, and adits (horizontal shafts) with associated small waste rock piles. Resolution undertook extensive efforts to improve safety conditions on the site in 2005 by adding steel grating to shafts and other features to prevent entrance and falls; these remain in good condition. Additional mine features beyond those observed during the site reconnaissance may be present at the Property. There has been no recent use of the Property by the current owner, but it is expected that recreational activities (e.g., rock climbing

and hunting) on adjacent public lands have trespassed onto the private Property. These findings do not indicate a REC, historical REC, controlled REC, or *de minimis* conditions for 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 USFS, also a report User: Adam Bromley.
  - Representatives from the Queen Valley Fire District (QVFD).

No information provided through the interviews indicates 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. 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 P**.

MIFILE	
// Carring	May 15, 2025
Mark F. Taylor, P.E.	Date

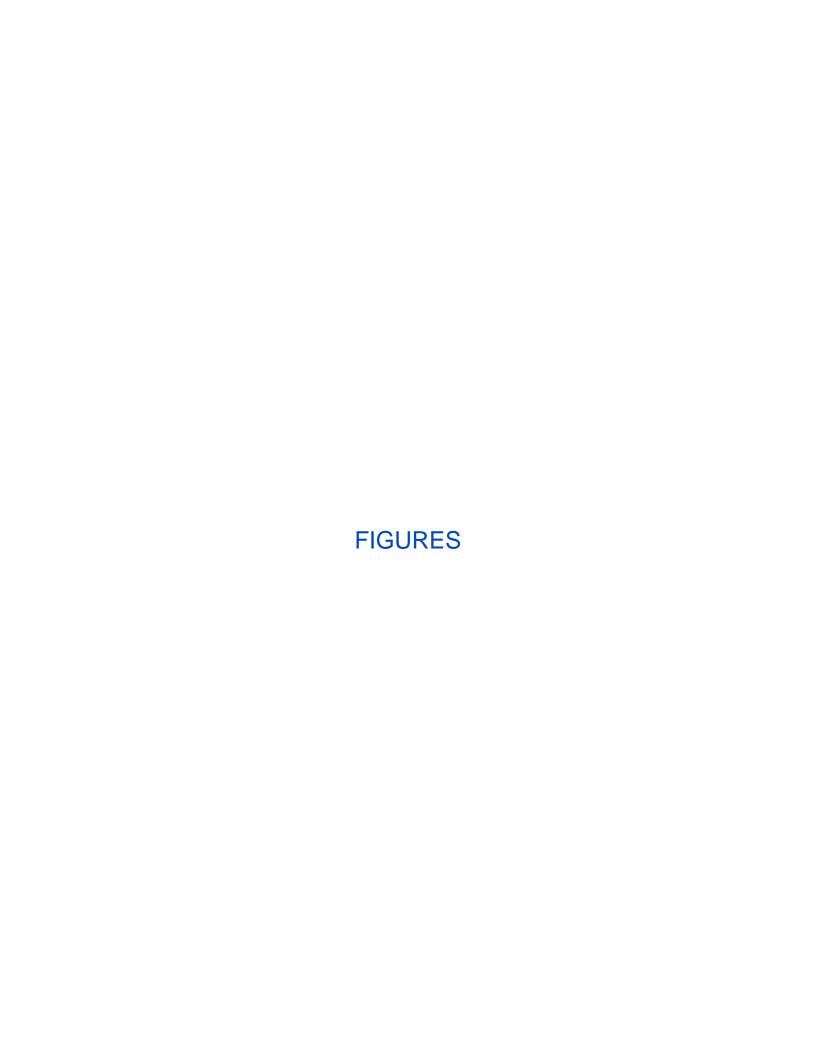
# 12. REFERENCES

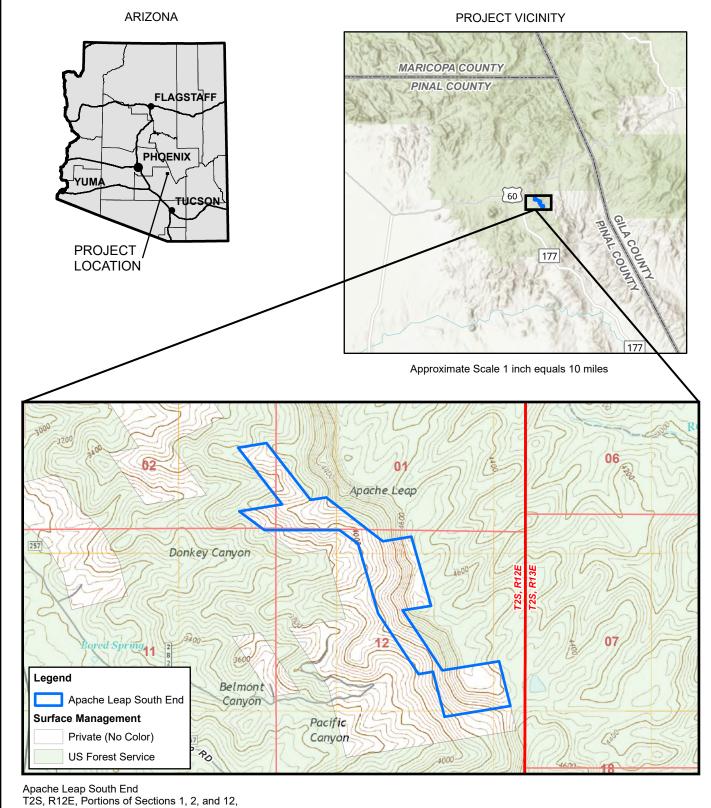
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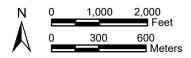


Apache Leap South End T2S, R12E, Portions of Sections 1, 2, and 12, Pinal County, Arizona Superior USGS 7.5' Quadrangle (2018) Projection: NAD 1983 UTM Zone 12N

Projection: NAD 1983 UTM Zone 12N Surface Management: BLM SMA ArcGIS service accessed 04/01/2025

Image Source: ArcGIS Online, World Topographic Map

WestLand Engineering & Environmental Services



RESOLUTION COPPER
Phase I ESA for
Apache Leap South End

VICINITY MAP Figure 1

Legend
O Groundwater Site Inventory Well
Index Well

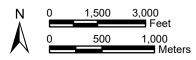
Apache Leap South End

E ARNETT RD

Apache Leap South End T2S, R12E, Portions of Sections 1, 2, and 12, Pinal County, Arizona Projection: NAD 1983 UTM Zone 12N Data Source: ADWR Groundwater Site Inventory ArcGIS Service accessed on 04/01/2025

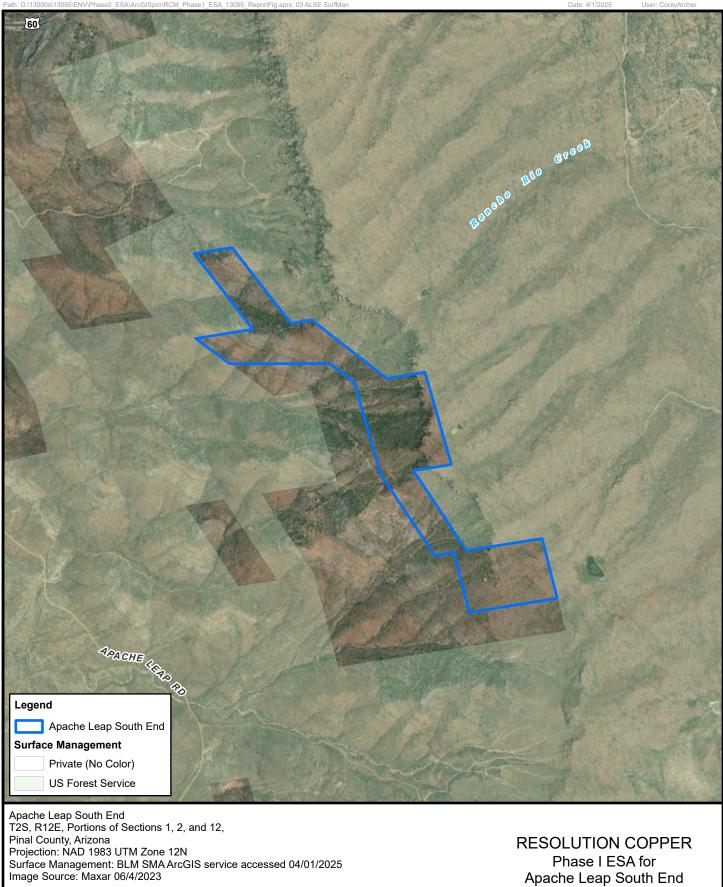
Image Source: Maxar 06/4/2023



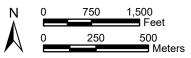


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Phase I ESA for
Apache Leap South End

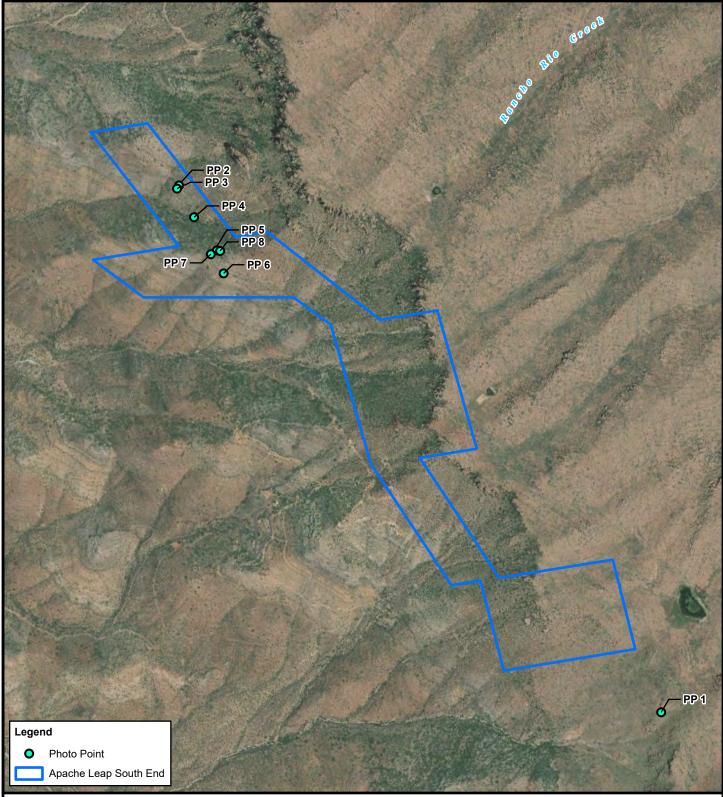
AERIAL OVERVIEW WITH ADWR REGISTERED WELLS Figure 2







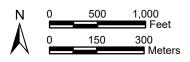
SURFACE MANAGEMENT Figure 3



Apache Leap South End T2S, R12E, Portions of Sections 1, 2, and 12, Pinal County, Arizona

Projection: NAD 1983 UTM Zone 12N Image Source: Maxar 06/4/2023





RESOLUTION COPPER
Phase I ESA for
Apache Leap South End

SITE RECONNAISSANCE MAP WITH SELECTED FEATURES Figure 4 APPENDIX A Site Photographs



Photo 1.Site overview from the southern portion of the Property.

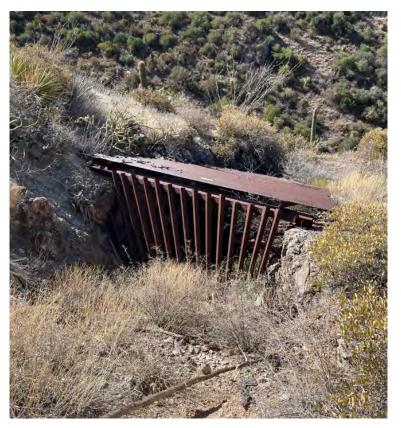


Photo 2.

Iron gate enclosing mine adit.





Photo 3.

Mine adit.



Photo 4.

Mining relic.



Apache Leap South End Phase I ESA Site Photographs
Appendix A
Photopage 2



Photo 5.

Iron gate on partially filled-in shaft.



#### Photo 6.

Overview of the northern portion of the Property.





Photo 7.

De minimis trash within the Property.

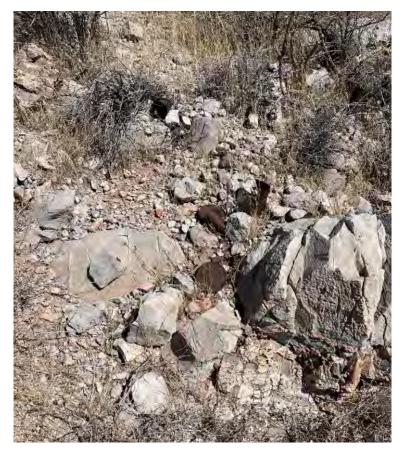


Photo 8.

De minimis trash within the Property.



# 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*): Casey McKeon, Resolution Copper Mining LLC

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?

No.

(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?

Yes, have adjacent land ownership.

(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*?

Yes.

(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:

- (a.) Do you know the past uses of the *property*? <u>Unknown</u>, possible mining activity nearby.
- (b.) Do you know of specific chemicals that are present or once were present at the *property*? \_Yes, none.
- (c.) Do you know of spills or other chemical releases that have taken place at the *property*? Yes, none.
- (d.) Do you know of any environmental cleanups that have taken place at the *property*? Yes, none.

# (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. <u>Land Exchange with Federal Government.</u>
- (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>See map.</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. Resolution Copper, US Forest Service.
- (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 if needed, sterling.hundley@riotinto.com.</u>
- (g) Any special terms and conditions which must be agreed upon by the environmental professional. <u>Unknown.</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 <i>property</i> and its environmental condition).

Previous ESA in 2015 and 2023, Some core drilling may have taken place in the past years.

OWNER OF ERATOROCCCITATOR QUESTIONNAIRE
Please respond to the questions provided below and expand your responses as appropriate:
(1). Please describe the current uses of the <i>property</i> , if known. <u>Vacant land.</u>
(2). Name any past owners or occupants of the <i>property</i> , if known. <u>Current: Resolution Copper Mining LLC: Past: BHP Copper Inc.</u>
(3). Please describe the past and/or current uses of adjoining properties, if known. <u>Has never been used for development.</u>
(4). Please describe the general past and/or current uses of the surrounding area, if known. (i.e. residential commercial, agricultural, industrial etc.) <u>Vacant land never developed.</u>
(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 <i>property</i> (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_X_ Unknown
(6). Do you know of spills or other chemical releases that have taken place at the <i>property</i> ?
Yes No_X_ Unknown
(7). Do you know of any environmental cleanups that have taken place at the <i>property</i> ?
Yes NoX Unknown
(8). Are you aware of any environmental cleanup liens against the <i>property</i> ?

(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*?

Unknown\_\_\_\_

Y	'es	No 2	Χl	Jnl	known

No\_X\_\_

(10). Are there any indicating storage to	_	d storage tanks, underground storage tanks, vent pipes or access ways perty?
Yes	NoX_	Unknown
(11). Are there any	PCBs (transfor	rmers, hydraulic equipment) at the <i>property</i> ?
Yes	No_X	Unknown
(12). Have you ob petroleum or chemi		soil/pavement, corrosion, or stressed vegetation that may indicate a property?
Yes	NoX	Unknown
(13). Have you ob property?	served pits, po	onds, or lagoons associated with wastewater treatment/disposal at the
Yes	NoX	Unknown
(14). Are you awa washes)?	are of any was	stewater/stormwater facilities at the property (drains, sumps, ditches,
Yes	NoX	Unknown
(15). Are you aware	e of any wells l	ocated at the <i>property</i> (dry, irrigation, injection, or abandoned)?
Yes	No_X	Unknown
(16). Are you aware	e of any septic	systems at the <i>property</i> ?
Yes	NoX	Unknown
(17). Has the <i>prope</i>	rty been used f	or landfill, dump, battery storage, junkyard, or other disposal purposes?
Yes	NoX	Unknown
(18). Has dirt fill be contaminated site?	een brought to	the property that originated from a site of unknown origin or from a
Yes	NoX	Unknown
(19). Are there or haby substances other		en any flooring, drains, or walls located within the facility that are stained emitting odors?
Yes	NoX	Unknown

#### PHASE I ENVIRONMENTAL SITE ASSESSMENT (ASTM E 1527-21 & 2247-23)

#### **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>Adam Bromley - FS, AZ, Tonto National Forest Globe Ranger District</u>

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

Email: adam.bromley@usda.gov

Date interview completed: <u>02/26/2025</u>

#### (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 known Environmental Leins exist at this time.

(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?

There are No known Activity or use limitations recorded at this time.

## (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? I don't know what that property was used for in the past or have any specialized knowledge about the activities on the property. There does appear to be some mining in and around the area but I have no knowledge of the activities associated with those activities in this area.

No special knowledge is known. The area is directly adjacent to Tonto National Forest Lands. There is evidence of historical mining in the area but no special knowledge is available or known.

(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*?

To My knowledge the fair market value of the property is in alignment with local property values and past evidence of mining does not appear to be a factor in the fair market value of 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:

- (a.) Do you know the past uses of the *property*? No.
- (b.) Do you know of specific chemicals that are present or once were present at the *property*? No.
- (c.) Do you know of spills or other chemical releases that have taken place at the *property*? No.
- (d.) Do you know of any environmental cleanups that have taken place at the *property*? No.

## (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*?

No.

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. For a possible land transfer.
- (b) The type of *property* and type of *property* transaction, for example, sale, purchase, exchange, etc. Exchange.
- (c) The complete and correct address for the *property* (a map or other documentation showing *property* location and boundaries is helpful).

#### See attachments

- (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).

  None
- (e) Identification of all parties who will rely on the Phase I report. Resolution Copper and US Forest Service

- (f) Identification of the site contact and how the contact can be reached. Are there previous site contacts that should be interviewed?

  None Known
- (g) Any special terms and conditions which must be agreed upon by the environmental professional. Refer to EIS
- (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). None.

## APPENDIX C Environmental Lien and AUL Report

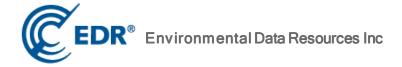
#### **Apache Leap South-End**

Pinal County, Arizona Superior, AZ 85173

Inquiry Number: 7904630.7

February 24, 2025

# **EDR Environmental Lien and AUL Search**



#### **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.

Anetwork 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**

Pinal County, Arizona Apache Leap South-End Superior, AZ 85173

ENVIRONMENTAL LIEN			
Environmental Lien:	Found	Not Found	×
OTHER 4 OTHER 4 NO. 1105 LINE	IT4TIONO (4111 )		
OTHER ACTIVITY AND USE LIM	ITATIONS (AULS)		
Al II s.	Found $\square$	Not Found	<b>\w</b>

#### RESEARCH SOURCE

Source 1:

Pinal Recorder Pinal, AZ

#### **PROPERTY INFORMATION**

#### Deed 1:

Type of Deed: Special Warranty Deed

Title is vested in: Resolution Copper Mining LLC

Title received from: BHP Copper Inc
Deed Dated 3/31/2004
Deed Recorded: 1/31/2005

Book: NA
Page: NA
Volume: NA

Instrument 2005-009840

Docket NA

Land Record Comments: see exhibit

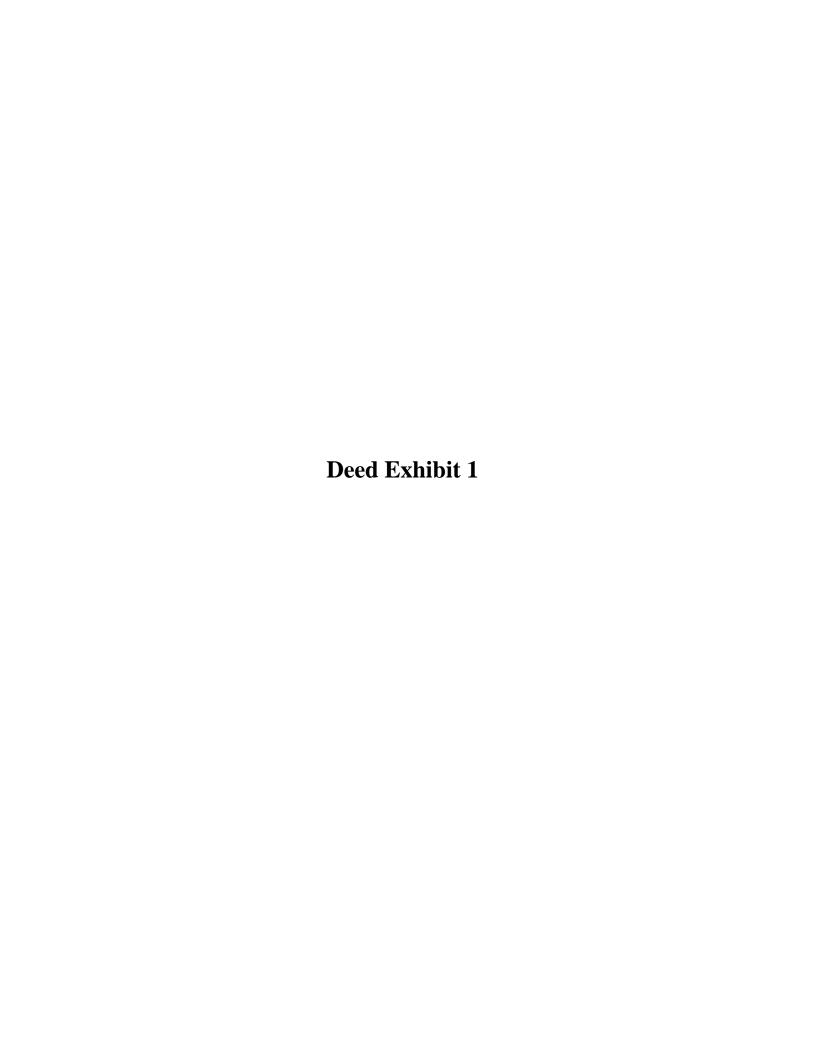
Miscellaneous Comments: NA

Legal Description: see exhibit

Legal Current Owner: Resolution Copper Mining ∐C

**Parcel #/ Property Identifier:** 105-15-004, 105-15-003

Comments: see exhibit









# OFFICIAL RECORDS OF PINAL COUNTY RECORDER LAURA DEAN-LYTLE

DATE/TIME: 01/31/05 1428
FEE: \$39.00
PAGES: 31
FEE NUMBER: 2005-009840

# Resolution Copper Company

A Rio Tinto Company

2525 E. Arizona-Biltmore Circle

Suite C-135

Phoenix, AZ 85016

Tel.: (602) 956-0223

This Special Warranty Deed dated August 12<sup>th</sup>, 2004, was inadvertently recorded in Maricopa County. Please accept\_this certified copy from Maricopa County as the recorded document.

Daniel Mead for Resolution Copper

Hold Plu Southwar Delivers Solutions

WHEN RECÓRDED, RETURN TO:

WHEN RECORDED, RETURN TO:

Parsons Behle & Latimer

One Utah Center

201 South Main Street, Suite 1800

Salt Lake City, Utah 84111

Attn: Patricia J. Winmill



OFFICIAL RECORDS OF MARICOPA COUNTY RECORDER HELEN PURCELL 2004-0973524 08/20/04 16:06 1 of 2

M(1723

#### SPECIAL WARRANTY DEED

FOR GOOD AND VALUABLE CONSIDERATION, the receipt and sufficiency of which are hereby expressly acknowledged, BHP COPPER INC., a Delaware corporation, formerly known as Magma Copper Company ("Grantor"), does hereby convey to RESOLUTION COPPER MINING LLC, a Delaware limited liability company, of 2525 East Arizona Biltmore Circle, Suite C-135, Phoenix, AZ 85016; ("Grantee") the following described property situated in Pinal County, Arizona (the "Property")

#### See Hyhibit A attached hereto and made a part hereof.

together with all improvements, buildings, structures and fixtures located thereon; all easements, if any, benefiting the Property; all rights, benefits, privileges and appurtenances pertaining to the Property, including any right, title and interest of Grantor in and to any property lying in or under the bed of any street, alley, road or right of way, open or proposed, abutting or adjacent to the Property; the strips, gaps or gores, if any, between the Property and abutting property, and further, without any warranty or representation whatsoever, the Grantor hereby quit claims to the Grantee any and all water rights appurtenant to the Property.

Subject to all Permitted Encumbrances, as that capitalized term is defined in that certain Earn-In Agreement dated April 17, 2001, between Grantor and Kennecott Exploration Company.

Grantor hereby binds itself and its successors to warrant and defend the title, as against all acts of Grantor herein and no other, subject to the matters above set forth. EXCEPT AS OTHERWISE SET FORTH ABOVE, THE PROPERTY TRANSFERRED HEREBY IS CONVEYED ON AN "AS-IS" AND "WHERE-IS" BASIS.

By: BEW WICHERS  Its: PAESIOEST	yare corporation
By: BEWWICHERS	yare corporation
Name: BEWWICHERS	7 -
Name: BEWWICHERS	
STATE OF Arizona )	
) ss.	
County of Linal	• • • • • • • •
On this, the 12 day of August, 2004, before me, the Public, personally appeared Ben Wichers, the President	e undersigned Notary of BHP
COPPER INC. A Delaware cornoration (known to me to be file betsuit with	DE HATHE 12 SHOPELIOCA
to the foregoing instrument and acknowledged that he/she executed the limited partnership for the purposes therein contained.	same on behalf of the
IN WITNESS WHEREOF, I hereunto set my hand and official seal	
OFFICIAL SEAL KATHRYN I MCCLURE	
NOTARY PUBLIC - State of Arteona PINAL COUNTY PINAL COUNTY	use_
My Comm. Expires June 10, 2008 Notary Public	
My commission expires:	
6-10-08	
	*/>
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586703.4 2	

#### Exhibit A

# to SPECIAL WARRANTY DEED From BHP COPPER INC to RESOLUTION COPPER MINING LLC

The following described real property consisting of fee lands and patented mining claims and millsites situated in Pinal County, Arizona, and more particularly described as follows:

#### 1. PARCEL NO. 1:

Lot 10 of Section 25; Township 1 South, Range 12 East, G&SR Mer., patented under Patent No. 02-73-0048, dated March 27, 1973, containing 15.78 acres, more or less.

#### 2. PARCEL NO. 2:

Lots 9, 10, 11, 15 and 16 of Section 26, Township 1 South, Range 12 East, G&SR Mer., patented under Patent No. 02-73-0048, dated March 27, 1973, containing 233.01 acres, more or less.

#### 3. PARCEL NO. 3:

The Southeast Quarter of Section 27, Township 1 South, Range 12 East, G&SR Mer., patented under Patent No. 02-73-0048, dated March 27, 1973, containing 160.00 acres, more or less.

#### 4. PARCEL NO. 4:

Lot 1, the Northwest Quarter of the Southeast Quarter (NW/4SE1/4), the West Half of the Southwest Quarter of the Southeast Quarter (W1/2SW1/4SE1/4), the North Half of the Northeast Quarter (NV/2NE1/4) and the Southwest Quarter of the Northeast Quarter (SW1/4NE1/4) of Section 34, Township 1 South, Range 12 East, G&SR Mer., patented under Patent No. 02-73-0048. dated March 27, 1973, containing 211.85 acres, more or less.

#### 5. PARCEL NO. 5:

The Northeast Quarter of the Southeast Quarter (NE'/SE'/4), the West Half of the Southeast Quarter of the Southeast Quarter (W'/SE'/4SE'/4), the East Half of the Southwest Quarter of the Southeast Quarter (E'/2SW/4SE'/4) of Section 34, Township 1 South, Range 12 East, G&SR Mer., patented under Patent No. 1038030, dated June 6, 1930, containing 80 acres, more or less:

#### 6. PARCEL NO. 6:

Lots 12, 13, 14, 15 and the North half of the Northwest of the Southwest of Section 35. Township 1 South, Range 12 East, G&SR Mer., patented under Patent No. 1038030, dated June 6, 1930, containing 90.82 acres, more or less.

EXCEPT "any portion of Lot 15 lying Easterly of the Easterly Line of Porphyry Street as described in Docket 1559, Page 191."

#### 7. PARCEL NO. 7:

Lots 2, 3, 11, and 17 of Section 35, Township 1 South, Range 12 East, G&SR Mer., patented under Patent No. 02-73-0048, dated March 27, 1973, containing 58.47 acres, more or less.

#### 8. PARCEL NO. 8:

Lots 5, 7, 8 and 9 of Section 36, Township 1 South, Range 12 East, G&SR Mer., patented under Patent-No. 02-73-0048, dated March 27, 1973, containing 70.79 acres, more or less.

#### 9. PARCEL NO. 9:

Lot 9 of Section 2, Township 2 South, Range 12 East, G&SR Mer., patented under Patent No. 02-73-0048, dated March 27, 1973, containing 1.64 acres, more or less.

#### 10. PARCEL NO. 10:

Lot 21 of Section 3, Township-2-South, Range 12 East, G&SR\Mer., patented under Patent No. 02-73-0048, dated March 27, 1973, containing 18.01 acres, more or less.

EXCEPT "any portion lying Southerly of the Northerly line of Main Street (old highway 60)."

#### 11. PARCEL NO. 11:

Lots 8 and 9 of Section 3, Township 2 South, Range 12 East, G&SR Mer., patented under Patent No. 1038030, dated June 6, 1930, containing 35.33 acres, more or less.

EXCEPT "any portion lying Southerly of the Northerly, line of Main Street (old highway 60)."

#### 12. PARCEL NO. 12:

The North Half of the Northeast Quarter (N½NE½), and the North Half of the South Half of the Northeast Quarter (N½S½NE½) of Section 4, Township 2 South, Range 12 East, G&SR Mer., patented under Patent No. 1038030, dated June 6, 1930, containing 120 acres, more or less.

EXCEPT "all that portion of the surface only to a depth of 40 feet of the East Half of Section 4. Township 2 South, Range 12 East of the Gila and Salt River Base and Meridian, Pinal County. Arizona, described as follows:

BEGINNING at the center quarter of said Section 4;



THENCE North 00 degrees 36 minutes 58 seconds West along the West line of said East half. 1205.62 feet to the Southerly line of the BHP ARIZONA RAILROAD COMPANY right-of-way;

THENCE along said Southerly line the following four courses:

- along a non-tangent curve, the center of which bears North 42 degrees 19 minutes 01 seconds West, having a radius of 528.50 feet, through a central angle of 35 degrees 47 minutes 49 seconds and arc distance of 330.19 feet;
- (2) North 11 degrees 53 minutes 10 seconds East, 172.82 feet;
- (3) along a tangent curve, concave to the South, having a radius of 358.50 feet, through a central angle of 108 degrees 29 minutes 33 seconds an arc distance of 678.84 feet;
- (4) South 59 degrees 37 minutes 17 seconds East, 671.26 feet to the East line of the West half of the Northeast quarter of said Section 4;

THENCE South 00 degrees 34 minutes 55 seconds East, along said East line, 1069.41 feet to a point on the North line of property described in Warranty Deed, recorded in Docket 1709, Page 240, Pinal County Records;

THENCE South 89 degrees 18 minutes 32 seconds West, 327:80 feet to the Northwest corner of property described in said Warranty Deed;

THENCE South 00 degrees 35 minutes 26 seconds East, 431,35 feet to a point on the Northerly right-of-way line of U.S. 60 & 70;

THENCE South 80 degrees 39 minutes 39 seconds West, along said Northerly right-of-way line. 994.71 feet to the West line of said East half;

THENCE North 00 degrees 36 minutes 58 seconds West, 1.13.49 feet to the POINT OF BEGINNING."

#### 13. PARCEL NO. 13:

The Surprisor No. 2 patented lode mining claim, Lot No. 38, embracing a portion of Section 2, Township 2 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 6258 from the United States of America to Charles L. Hastings, dated July 31, 1882, and recorded as Fee No. 1999-027022 of the official records of Pinal County, comprising 18.32 acres, more or less.

#### 14. PARCEL NO. 14:

The Windsor patented lode mining claim, Lot No. 37, embracing a portion of Section 35. Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set

forth in Mineral Patent No. 6257 from the United States of America to Charles L. Hastings, dated July 31, 1882, and recorded as Fee No. 1999-027023 of the official records of Pinal County, containing 19.08 acres more or less.

#### 15. PARCEL NO. 15:

The Hub patented lode mining claim, Lot No. 41, embracing a portion of Section 36. Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 9362 from the United States of America to Silver Queen Mining Co., dated June 2, 1884, and recorded in Book 19 of Mining Deeds, page 159 of the official records of Pinal County, containing 10.16 acres more or less.

#### 16. PARCEL NO. 16:

The Irene patented lode mining claim, Lot No. 42, embracing a portion of Section 35, Township 1 South, Range 12 East, G&SR-Mer., a more particular description of which is set forth in Mineral Patent No. 10228 from the United States of America to Silver Queen Mining Co., dated October 21, 1885, and recorded in Book 19 of Mining Deeds, page 165 of the official records of Pinal County, containing 20.66 acres more or less.

#### 17. PARCEL NO. 17:

The Mowry patented lode mining claim, Lot No. 44, embracing a portion of Section 23. Township 1 South, Range 12 East, G&ŚR Mer., a more particular description of which is set forth in Mineral Patent No. 11374 from the United States of America to Mowry Silver Mining Co., dated December 16, 1886, and recorded in Book 6 of Mining Deeds, page 358 of the official records of Pinal County, containing 14.35 acres more or less.

#### 18. PARCEL NO. 18:

The Bilk patented lode mining claim, Lot No. 45, embracing a portion of Section 24. Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 23791 from the United States of America to Mowry Silver Mining Co., dated January 4, 1894, and recorded in Book 6 of Mining Deeds, page 361 of the official records of Pinal County, containing 13.665 acres, more or less.

EXCEPT "that portion of the ground hereinbefore described, embraced in said mining claim in lot No. 44, and also all that portion of said Bilk vein or lode, . . . "

#### 19. PARCEL NO. 19:

The Silver and Copper Pocket, Queen No. 2, Silver Tip, and Blackfoot patented lode mining claims, Mineral Survey No. 2144, embracing a portion of Section 25 and 36, Township I South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 44500 from the United States of America to Joseph Cope, dated November 13. 1906, and

recorded in Book 23, of Mining Deeds, page 199 of the official records of Pinal County. Arizona containing 80.457 acres, more or less.

#### 20. PARCEL NO. 20:

The Sunnyside, Caldonia, Republic, Golden Eagle, Skyward, New Calumet, Excelsior, Golden Eagle Extension, and Gold Crown patented lode mining claims, Mineral Survey No. 2860, embracing a portion of Sections 35, and 36, Township 1 South, Range 12 East, and Section 2. Township 2 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 335073 from the United States of America to Lake Superior and Arizona Mining & Smelting Co., dated May 20, 1913, and recorded in Book 1-A of Mining Deeds, page 178 of the official records of Pinal County, comprising 136.336 acres, more or less.

EXCEPT "all that portion of the ground hereinbefore described, embraced in said mining claims or Surveys Nos. 342, 350 and 2144, said Lots Nos. 37 and 38; and said Monarch Gold Crown No. 2, and Shark lode claims, unsurveyed, ..."

#### 21. PARCEL NO. 21:

The Square Deal patented lode mining claim, Mineral Survey No. 2860, embracing a portion of Section 2, Township 2 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 893409 from the United States of America to Magma Copper Co., dated January 19, 1923, and recorded in Book 4 of Mining Deeds. pages 105 of the official records of Pinal County, containing 18.397 acres, more or less.

EXCEPT "any portion lying Westerly of the Westerly line of highway as shown on Plat of Square Deal Subdivision."

#### 22. PARCEL NO. 22:

The San Francisco, Rain Cloud, Oakland, and Oversight patented lode mining claims. Mineral Survey No. 2930A, embracing a portion of Section 35, Township I South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 375319 from the United States of America to Queen Copper Mining Co., dated September 16, 1914, and recorded in Book 1-A of Mining Deeds, page 221 of the official records of Pinal County, containing 79,118 acres, more or less.

EXCEPT "all that portion of the ground hereinbefore described, embraced in said Sunnyside lode claim Survey No. 2860 . . . "

#### 23. PARCEL NO. 23:

The Shark, Monarch, Reddy Pay, Jumbo, Fraction, Oversight No. 1 and Oversight No. 3 patented lode mining claims, Mineral Survey No. 2994, embracing a portion of Section 36. Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 397044 from the United States of America to Magma Copper Co..

dated April 8, 1914, and recorded in Book 1-A of Mining Deeds, page 245 of the official records of Pinal County, containing 79.248 acres, more or less.

EXCEPT "all that portion of the ground, hereinbefore described, embraced in said Queen No. 2 and Silver and Copper Pocket lode claims, Survey No. 2144 and said Caledonia and Republic lode claims, Survey No. 2860, . . ."

#### 24. PARCEL NO. 24:

The Selma and Skiberean patented lode mining claims, Mineral Survey No. 2837, embracing a portion of Sections 1 and 12, Township 2 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 413338 from the United States of America to Consolidated Holding and Trust Co., dated June 12, 1914, and recorded in Book 2 of Mining Deeds, page 306 of the official records of Pinal County, containing 29.608 acres, more or less.

#### 25. PARCEL NO. 25:

The Sacramento patented lode mining claim and the Queen Annex patented millsite. Mineral Survey Nos. 2930A and 2930B, embracing a portion of Section 35, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 431461 from the United States of America to Queen Copper Mining Co., dated September 16, 1914, and recorded in Book-1-A-of Mining Deeds, page 288 of the official records of Pinal County, such mining claim containing 10.07 acres and such millsite containing 4.995 acres, more or less.

EXCEPT "all that portion of the ground hereinbefore described, embraced in said Oakland and San Francisco lode claims Survey No. 2930 A, and also all that portion of the Sacramento vein or lode, . . ."

#### 26. PARCEL NO. 26:

The Queen Fraction patented lode mining claim, Mineral Survey No. 2930A. embracing a portion of Section 35, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 431460 from the United States of America to Queen Copper Mining Co., dated September 16, 1914, and recorded in Book 1-A of Mining Deeds, page 286 of the official records of Pinal County, containing 6.747 acres, more or less.

EXCEPT "all that portion of the ground hereinbefore described, embraced in said Oakland lode claim Survey No. 2930 A, . . ."

#### 27. PARCEL NO. 27:

The David Harum, Interloper, Virginian and Taft patented lode mining claims. Mineral Survey No. 3106, embracing a portion of Section 2, Township 2 South, Range 12 East. G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 524455 from the United States of America to William A. Davidson, dated March 13, 1916, and recorded in Book 2 of

Mining Deeds, pages 285-287 of the official records of Pinal County, Arizona containing 67.908 acres, more or less.

EXCEPT "all that portion of the ground hereinbefore described, embraced in said mining claim or Lot No..38 and said Gold Crown No. 2 lode claim, unsurveyed, . . ."

#### 28. PARCEL NO. 28:

The Silverside patented lode mining claim, Mineral Survey No. 2929, embracing a portion of Section 26, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 330214 from the United States of America to Queen Copper Mining Co., dated May 2, 1913, and recorded in Book 1A of Mining Deeds, page 168 of the official records of Pinal County, containing 19.449 acres, more or less.

#### 29. PARCEL NO. 29:

The Silver Tip Extension, Oversight No. 1, Shark, Reddy Pay, Jumbo and Monarch patented milisites, Mineral Survey No. 3144, embracing a portion of Section 35. Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 562248 from the United States of America to Magma Copper Co., dated January 18, 1917, and recorded in Book 2 of Mining Deeds, page 324 of the official records of Pinal County, containing 26.414 acres, more or less.

EXCEPT "all that portion of the ground hereinbefore described, embraced in said mining claim or Survey No. 2930A., ..."

#### 30. PARCEL NO. 30:

The Lone Star patented lode mining claim, Mineral Survey No. 3096, embracing a portion of Section 11, Township 2 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 627987 from the United States of America to Consolidated Holding and Trust Co. & The Calumet and Arizona Mining Co., and Frank Snyder, dated April 29, 1918, and recorded in Book 3 of Mining Deeds, page 81 of the official records of Pinal County, containing 18.818 acres, more or less.

#### 31. PARCEL NO. 31:

The Panic patented lode mining claim, Mineral Survey No. 2836, embracing a portion of Section 2, Township 2 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 633038 from the United States of America to Consolidated Holding and Trust Co., dated June 4, 1918, and recorded in Book 4 of Mining Deeds, page 174 of the official records of Pinal County, containing 18.131 acres, more or less.

#### 32. PARCEL NO. 32:

The Iron Cap and Mountain View patented lode mining claims, Mineral Survey No. 3094, embracing a portion of Section 12, Township 2 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 631620 from the United States of America to Consolidated Holding and Trust Co. & The Calumet and Arizona Mining Co., dated May 24, 1918, and recorded in Book 3 of Mining Deeds, page 86 of the official records of Pinal County, Arizona, containing 37.636 acres, more or less.

#### 33. PARĆEĽŃO. 33:

The Hillside, Monte Carlo, Touch Not, Touch Not No. 3, Rawhide and Belmont patented lode mining claims, Mineral Survey No. 2838, embracing a portion of Sections 1 and 12. Township 2 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 658231 from the United States of America to Consolidated Holding and Trust Co., dated January 10, 1919, and recorded in Book 3 of Mining Deeds, page 219 of the official records of Pinal County, comprising 113.998 acres.

#### 34. PARCEL NO. 34

The Pacific No. 1, Pacific No. 7, Pacific No. 13, Pacific No. 19, Pacific No. 25, Pacific No. 32 and Grand patented lode mining-claims, Mineral Survey No. 3581, embracing a portion of Sections 12, Township 2 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 838255 from the United States of America to Grand Pacific Mining Co., dated December 21, 1921, and recorded in Book 3 of Mining Deeds, page 561 of the official records of Pinal County, comprising 123.454 acres, more or less.

#### 35. PARCEL NO. 35:

The Gerald Cansler patented lode mining claim, Mineral Survey No. 3483, embracing a portion of Section 26, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 857949 from the United States of America to Magma Chief Copper Co., dated April 6, 1922, and recorded in Book 5 of Mining Deeds, page 36 of the official records of Pinal County, comprising 20.452 acres, more or less.

#### 36. PARCEL NO. 36:

The Silver Tip Extension and Horse Shoe patented lode mining claims, Mineral Survey No. 2995, embracing a portion of Sections 25 and 36, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 867990 from the United States of America to Magma Copper Co., dated June 14, 1922, and recorded in Book 4 of Mines of Mining Deeds, page 15, of the official records of Pinal County, comprising 40.966 acres, more or less.

#### 37. PARCEL NO. 37:

The Long Wedge, Picket Post, Palace, Watson and Tuna patented lode mining claims, Mineral Survey No. 3482, embracing a portion of Sections 25 and 26, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 876071 from the United States of America to Magma Chief Copper Co., dated August 14, 1922, and recorded in Book 5 of Mining Deeds, page 32 of the official records of Pinal County, comprising 84.77-acres, more or less.

#### 38. PARCEL NO. 38:

The Maine #1, Maine #2, Maine #3, Gold Crown #1 and Gold Crown #2 patented lode mining claims, Mineral Survey No. 3669A, embracing a portion of Section 2, Township 2 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 982602 from the United States of America to Queen Creek Copper Co., dated July 22, 1926, and recorded in Book 5 of Mining Deeds, page 26 of the official records of Pinal County, comprising 79.55 acres, more or less.

EXCEPT "all that portion of the ground hereinbefore described, embraced in said Golden Eagle Extension lode claim Survey No. 2860; said Interloper lode claim Survey No. 3106; and that portion of said Gold Crown-lode claim Survey No. 2860 designated as Tracts A and B, hereinafter described; beginning for the description of Tract "A" at corner No. 1 of said Maine #2 lode claim; thence north sixty-six degrees forty-nine minutes east ten and thirty-one-hundredths feet, thence south seventy-seven degrees forty-eight minutes west eighty-two-hundredths of a foot, thence north twenty-six degrees twenty minutes west fifty-four and seventy-nine-hundredths feet to the place of beginning; beginning for the description of Tract "B" at corner No. 1 of said Maine #2 lode claim, thence south seventy-six degrees twenty minutes east fifty-four and seventy-nine-hundredths feet, thence south seventy-seven degrees forty-eight minutes west two hundred eight-seven and twelve-hundredths feet, thence north sixty-six degrees forty-nine minutes east two hundred seventy-eight and eighty-seven-hundredths feet to the place of beginning; ..."

#### 39. PARCEL NO. 39:

The Overlook patented lode mining claim, Mineral Survey No. 4092, embracing a portion of Section 35, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 1039436 from the United States of America to Magma Copper Co., dated August 6, 1930, and recorded in Book 5 of Mining Deeds. page 359 of the official records of Pinal County, comprising 20.638 acres, more or less.

#### 40. PARCEL NO. 40:

The Silver Tip Extension No. 1 patented lode mining claim, Mineral Survey No. 4093, embracing a portion of Section 25, Township 1 South, Range 12 East, G&SR-Mer., a more particular description of which is set forth in Mineral Patent No. 1039437 from the United States

of America to Magma Copper Co., dated August 6, 1930, and recorded in Book 5 of Mining Deeds, page 357 of the official records of Pinal County, comprising 20.388 acres, more or less.

#### 41. PARCEL NO. 41:

The Elm No. 1, Elm, Hard Rock No. 10, San Francisco, Queen Fraction, Oversight, New Calumet, Excelsior, Gold Crown, Golden Eagle Extension, Caledonia, Safety, Republic, Skyward, Oak No. 12, Aldridge, Hard Rock No. 8, Hard Rock No. 9, Windsor, Golden Eagle, Sacramento, Rain Cloud patented millsites, Mineral Survey No. 4095, embracing a portion of Sections 34 and 35, Township 1 South, Range 12 East, and Section 3, Township 2 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 1042131 from the United States of America to Magma Copper Co., dated November 18, 1930, and recorded in Book 5 of Mining Deeds, page 378 of the official records of Pinal County, comprising 106.849 acres, more or less.

#### 42. PARCEL'NO. 42:

The Yellow Coat, Florence Adams, North Queen, Black Rock and Baltic patented lode mining claims, Mineral Survey No. 4149, embracing a portion of Section 25, Township I South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 10962423 from the United States of America to Magma Copper Co., dated March 30, 1933, and recorded in Book 52, page 135 of the official records of Pinal County, comprising 69.191 acres, more or less.

EXCEPT "all that portion of the ground hereinbefore described, embraced in said mining claims or Surveys Nos. 350 and 2929; and Watson, Picket Post, Palace and Tuna lode claims Survey No. 3484; and said Blackfoot lode claim Survey No. 2144..."

#### 43. PARCEL NO. 43:

The Spring patented lode mining claim, Mineral Survey No. 4150, embracing a portion of Section 36, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 1062846 from the United States of America to Magma Copper Co., dated April 11, 1933, and recorded in Book 52 page 159 of the official records of Pinal County, comprising 15.894 acres, more or less.

#### 44. PARCEL NO. 44:

The Irene, Silver Tip, Surpriser No. 2, Silver and Copper Pocket. Oakland, Square Deal, Overlook, Horse Shoe and Fraction patented millsites, Mineral Survey No. 4152, embracing a portion of Section 35, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 1077084 from the United States of America to Magma Copper Co., dated July 29, 1935, and recorded in Book 6 of Mining Deeds, page 103 of the official records of Pinal County, comprising 42.779 acres, more or less; but excluding any portion that overlaps any property within the town of Superior city limits as of March 1, 2004.

#### 45. PARCEL NO. 45:

The Horseshoe No. 1, Horseshoe No. 2 and Silver Tip Extension No. 2 patented lode mining claims, Mineral Survey No. 4231, embracing a portion of Sections 25 and 36. Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 1114857 from the United States of America to Magma Copper Co., dated October 8, 1942, and recorded in Book 6 of Mining Deeds, page 520 of the official records of Pinal County, comprising 49,828 acres, more or less.

EXCEPT "all that portion of the ground hereinbefore described, embraced in said mining claims or Surveys Nos. 4150 and 4093; and said Silver Tip Extension No. 1 lode claim. Survey No. 2995, ..."

#### 46. PARCEL NO. 46:

The Lake Erie No. 3 and Lake Erie No. 4 patented lode mining claims, Mineral Survey No. 4235, embracing a portion of Section 36, Township 1 South, Range 12 East. G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 1119466 from the United States of America to Magma Copper Co., dated February 14, 1945, and recorded in Book 7 of Mining Deeds, page 11 of the official records of Pinal County, comprising 32.211 acres, more or less.

EXCEPT "all that portion of the ground hereinbefore described, embraced in said mining claim or Survey No. 2994 and said Silver and Copper Pocket lode claim, Survey No. 2144...."

#### 47. PARCEL NO. 47:

The Happy Hunch and Magma Extension patented lode mining claims. Mineral Survey No. 4499A, and the Happy Hunch and Magma Extension patented millsites, Mineral Survey No. 4499B, embracing a portion of Sections 34 and 35, Township 1 South, Range 12 East. G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 02-62-0113 from the United States of America to Magma Copper Co., dated June 1, 1962, and recorded in Docket 326, page 418 of the official records of Pinal County, such mining claims comprising 28.717 acres, more or less, and such millsites comprising 7.145 acres, more or less.

EXCEPT "all of that portion of ground within the boundaries of the Sacramento and Oakland mining claims, Survey No. 2930A; ..."

#### 48. PARCEL NO. 48:

The Elm, Elm No. 1, Elm No. 2 and Red Cloud patented lode mining claims; Mineral Survey Nos. 4500 and 4500A, embracing portions of Section 2 of Township 2 South, Range 12 East and Section 36, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 02-63-0087 from the United States of America to Magma Copper Co., dated February 15, 1963, and recorded in Docket 345, page 82 of the official records of Pinal County, comprising 37.72 acres, more or less.

EXCEPT "all of that portion of ground within the boundaries of the Excelsior lode claim. Survey No. 2860; the Golden Eagle Extension lode claim, Survey No. 2860; and the Main #2 lode claim. Survey 3669A; ..."

#### 49. PÁRCEL NO. 49:

The-Magma, Magma No. 1 and Lake Erie No. 8 patented lode mining claims. Mineral Survey No. 4502, embracing a portion of Section 36 of Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 02-63-0007 from the United States of America to Magma Copper Co., dated July 13, 1962, and recorded in Docket 329, page 551 of the official records of Pinal County, comprising 60.681 acres, more or less.

#### 50. PARCEL NO. 50:

The Ash No. 2, Ash No. 3, Blackfoot No. 4, "Life Saver." Horseshoe No. 3, New Lake. Oak. Oak No. 2, Silver Tip Extension No. 3, Whitefoot No. 1, White Foot No. 2 and White-Foot No. 3 patented lode mining claims, Mineral Survey No. 4633, embracing portions of Sections 25 and 36 of Township 1 South, Range 12 East, and Sections 30 and 31, Township 1 South, Range 13 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 02-68-0020 from the United States of America to Magma Copper Co., dated September 29, 1967, and recorded in Docket 518, page 934, of the official records of Pinal County, comprising 200.88 acres, more or less.

EXCEPT "all of those portions of ground within the boundaries of the Spring lode claim, Survey No. 4150, Horseshoe No. 2 lode claim, Survey No. 4231, Magma and Magma No. 1 lode claims. Survey No. 4502..."

#### 51. PARCEL NO. 51:

The East No. 1, East No. 2, East No. 6, East No. 7, East No. 11, East No. 12 and East No. 13 patented lode mining claims, Mineral Survey No. 4674, embracing portions of Sections 29 and 32, Township 1 South, Range 13 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 02-70-0081 from the United States of America to Magma Copper Co., dated May 4, 1970, and recorded in Docket 598, page 498 of the official records of Pinal County, comprising 139.404 acres, more or less.

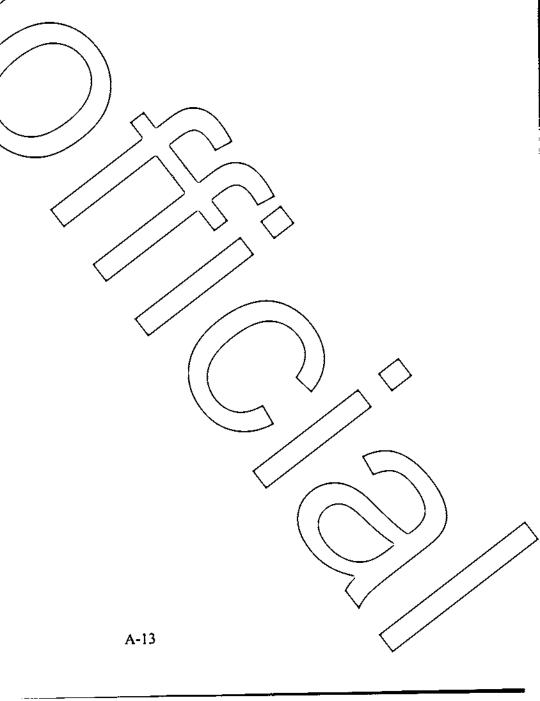
#### 52. PARCEL NO. 52:

The Blackfoot No. 2 and Blackfoot No. 3 patented lode mining claims, Mineral Survey No. 4501, embracing a portion of Section 25, Township 1 South, Range 12 East, G&SR-Mer., a more particular description of which is set forth in Mineral Patent No. 02-63-0006 from the United States of America to Magma Copper Co., dated July 13, 1962, and recorded in Docket 329, page 540 of the official records of Pinal County, comprising 40.939 acres, more or less.

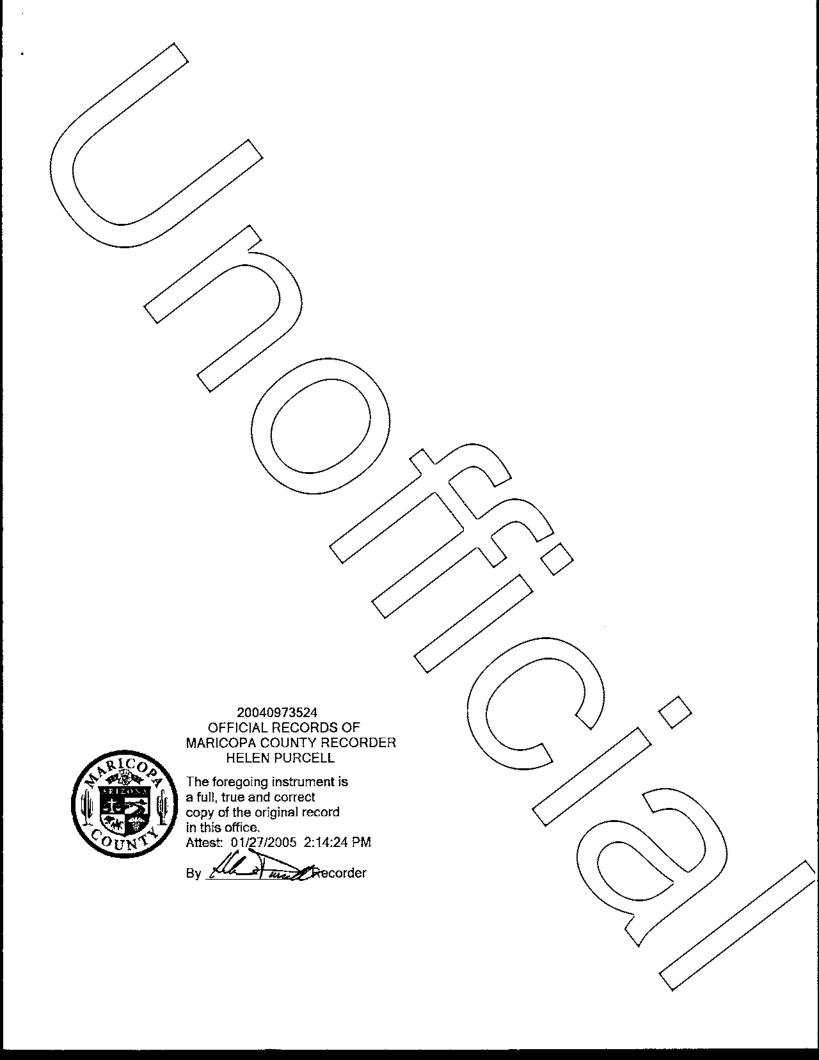
## 53. PARCEL NO. 53:

The Oak No. 4, Oak No. 7, Oak No. 14, Oak No. 16 and Oak No. 17 patented lode mining claims, Mineral Survey Nos. 4633 and 4797, embracing portions of Sections 31 and 32. Township 1 South, Range 13 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 02-96-0027 from the United States of America to Magma Copper Co., dated September 10, 1996, and recorded as Document Fee No. 1996-032585 of the official records of Pinal County, comprising 99.96 acres, more or less.

EXCEPT "all of that portion of the ground within the boundaries of the East No. 1 lode claim. Mineral Survey Number 4674 exclusive of its conflict with Oak No. 4 lode claim, East No. 2 lode claim, Mineral Survey Number 4674 and East No. 3 lode claim, Mineral Survey Number 4674; ..."



586703.4



AFFIDAVIT OF P	ROPER' INCHES HIS THE
1. ASSESSOR'S PARCEL IDENTIFICATION NUMBER(4)	
Primary Parcel: 105 - 02: - 001 - A SPLITLEITER	(a) C
Does this sale include any perceis that are being split / divided?	(c) Di
Check one: Yes 🔲 No 🔯	MO FE WARLOND COUNTY RECORDER
How many percels, other than the Primary Parcel, are	HELEN PURCELL ALOA
included in this sale? 78	(e) AS 2004 07155
Please liet the additional percets below (no more than four):	ASE ** AFFIDAVIT ** REITZE
m 105-15-001 4 106-06-002	Use Code: Full Cook Volum: \$
3 RELIER'S NAME AND ADDRESS:	18. TYPE OF DEED OR INSTRUMENT (Check Only One Boot):
BHP Copper INC.	□ Warranty Deed
HOUSTON, TX/77056-3020	c. Soint Tenency Deed. f. Other:
3. W BLYER'S NAME AND ADDRESS: RESOLUTION COPPER MINING-LLC	11. SALE PRICE: \$ N/A 00
2525 East Arizona BilTMore Cir.	12. DATE OF BALE (Numeric Digite): 05 / 04
STE 6-135, Phoenix, AZ \$5016	(For econopie: 03 / 05 for March 2006)
(b) Are the Buyer and Seller related? Yee X No / / HYee, state relationship: LLC Hember/LLC/	13. DOWN PAYMENT: \$ N/A 00
4. ADDRESS OF PROPERTY:	14. METHOD OF FINANCING:  a.   New loan(s) from financial institution:  financial institution:  (1)   Conventional
S. MAIL TAX BILL TO:	s. Cash (180% of allow Passe)  (1) Conventional  (2) VA
Resolution Copper Mining LLC	(a) This
355 C-135 Phoenix AZ 85016	d T seer Loen (Compact) Evolvance for LLC
8. PROPERTY TYPE (for Primary Parcel): NOTE: Check Only One Box	and increased in property (see progres side for definition):
a. Uscant Land f. Commercial or industrial Use	(a) Did the Sale Price in Item #11 Include Personal Property that impacted the Sale Price by 5% or more? Yes No N
b. Single Family Residence g. Agricultural	(b) If Yes, provide the doller amount of the Personal Property:
c. Condo or Townhouse h. h. Mobile or Menufactured Home	\$ 00 AND
d. 24 Plex 1. 7 Other Use; Specify:	briefly describe the Personal Property:
Aperiment Building	16. PARTIAL INTEREST: If only a partial ownership interest is being sold, briefly describe the partial interest:
<ol> <li>RESIDENTIAL BLYER'S LISE: If you checked b, c, d or h in item 6 above, please check gas of the following:</li> </ol>	
To be accupied by owner or To be rented to accessore	17. PARTY COMPLETING AFFIDAVIT (Name, Address, Phone):  Resolutions Copper Niving LLC.
"family member." Other train "samey member."  See reverse side for definition of a "family member."	See above Phone (602) 956 · 0223
8. NUMBER OF UNITS:	18. LEGAL DESCRIPTION (seach copy if necessary):
For Aperiment Properties, Moints, Hotale, Mobile Horne Perist, RV Perist, Mint-Storage Properties, etc.	See A-Tached Exhibit A.
THE UNDERSIGNED BEING DULY SWORN, ON OATH, SAYS THAT THE FIF FACTS PERTANDING TO THE TRANSPER OF THE ABOVE DESCRIBED PA	OREGOING INFORMATION IS A TRUE AND CORRECT STATEMENT OF THE KOPERTY.
Signature of Select Agent D'	State of APIZONA County of MAPICOPA
State of AVIZANA County of VITICAL  Subscribed and syform to before me on this 12 day of AUGUST 20 04	7
(/) %	dw-
Noting Profession Date (0-10-08	Da hair
Notary Expiration Date (19-10-17)	Notary Public - Arizona
KATHRYN L. MCCLURE NOTARY PUBLIC - State of Artzona	Mancopa County
My Comm. Expires June 10, 2008	September 9, 2007

#### Exhibit A

# to AFFIDAVIT OF PROPERTY VALUE submitted by BHP COPPER INC and RESOLUTION COPPER MINING LLC

The following described real property consisting of fee lands and patented mining claims and millsites situated in Pinal County, Arizona, and more particularly described as follows:

# 1. PÁRCEL NO. 1:

Lot 10 of Section 25, Township 1 South, Range 12 East, G&SR Mer., patented under Patent No. 02-73-0048, dated March 27, 1973, containing 15.78 acres, more or less.

## 2. PARCEL·NO. 2:

Lots 9, 10, 11, 15 and 16 of Section 26, Township 1 South, Range 12 East, G&SR Mer., patented under Patent No. 02-73-0048, dated March 27, 1973, containing 233.01 acres, more or less.

#### 3. PARCEL NO. 3.

The Southeast Quarter of Section 27, Township 1 South, Range 12 East, G&SR Mer., patented under Patent No. 02-73-0048, dated March 27, 1973, containing 160.00 acres, more or less.

#### 4. PARCEL NO. 4:

Lot 1, the Northwest Quarter of the Southeast Quarter (NW\'\se'\), the West Half of the Southwest Quarter of the Southeast Quarter (W\'\2SW\'\4SE\'\), the North Half of the Northeast Quarter (N\'\2NE\'\4) and the Southwest Quarter of the Northeast Quarter (SW\'\4NE\'\4) of Section 34, Township 1 South, Range 12 East, G&SR Mer., patented under Patent No. 02-73-0048, dated March 27, 1973, containing 211.85 acres, more or less.

#### 5. PARCEL NO. 5:

The Northeast Quarter of the Southeast Quarter (NE¼SE½), the West Half of the Southeast Quarter of the Southeast Quarter (W½SE½SE½), the East Half of the Southwest Quarter of the Southeast Quarter (E½SW½SE½) of Section 34, Township 1 South, Range 12 East, G&SR Mer., patented under Patent No. 1038030, dated June 6, 1930, containing 80 acres, more or less.

#### 6. PARCEL NO. 6:

Lots 12, 13, 14, 15 and the North half of the Northwest of the Southwest of Section 35, Township 1 South, Range 12 East, G&SR Mer., patented under Patent No. 1038030, dated June 6, 1930, containing 90.82 acres, more or less.

EXCEPT "any portion of Lot 15 lying Easterly of the Easterly Line of Porphyry Street as described in Docket 1559, Page 191."

## 7. PARCEL NO. 7:

Lots 2, 3, 11, and 17 of Section 35, Township 1 South, Range 12 East, G&SR Mer., patented under Patent No. 02-73-0048, dated March 27, 1973, containing 58.47 acres, more or less.

## 8. PARCEL NO. 8:

Lots 5, 7, 8 and 9 of Section 36, Township 1 South, Range 12 East, G&SR Mer., patented under Patent No. 02-73-0048, dated March 27, 1973, containing 70.79 acres, more or less.

## 9. PARCEL NO. 9:

Lot 9 of Section 2, Township 2. South, Range 12 East, G&SR Mer., patented under Patent No. 02-73-0048, dated March 27, 1973, containing 1.64 acres, more or less.

## 10. PARCEL NO. 10:

Lot 21 of Section 3, Township 2 South, Range 12 East, G&SR Mer., patented under Patent No. 02-73-0048, dated March 27, 1973, containing 18.01 acres, more or less.

EXCEPT "any portion lying Southerly of the Northerly line of Main Street (old highway 60)."

#### 11. PARCEL NO. 11:

Lots 8 and 9 of Section 3, Township 2 South, Range 12 East, G&SR Mer., patented under Patent No. 1038030, dated June 6, 1930, containing 35.33 acres, more or less.

EXCEPT "any portion lying Southerly of the Northerly line of Main Street (old highway 60)."

#### 12. PARCEL NO. 12:

The North Half of the Northeast Quarter (N½NE¼), and the North Half of the South Half of the Northeast Quarter (N½S½NE¼) of Section 4, Township\2 South, Range 12 East, G&SR-Mer., patented under Patent No. 1038030, dated June 6, 1930, containing 120 acres, more or less.

EXCEPT "all that portion of the surface only to a depth of 40 feet of the East Half of Section 4, Township 2 South, Range 12 East of the Gila and Salt River Base and Meridian, Pinal County, Arizona, described as follows:

BEGINNING at the center quarter of said Section 4;

THENCE North 00 degrees 36 minutes 58 seconds West along the West line of said East half, 1205.62 feet to the Southerly line of the BHP ARIZONA RAILROAD COMPANY right-of-way;

THENCE along said Southerly line the following four courses:

- along a non-tangent curve, the center of which bears North 42 degrees 19 minutes 01 seconds West, having a radius of 528.50 feet, through a central angle of 35 degrees 47 minutes 49 seconds and arc distance of 330.19 feet;
- (2) North-11 degrees 53 minutes 10 seconds East, 172.82 feet;
- (3) along a tangent curve, concave to the South, having a radius of 358.50 feet, through a central angle of 108 degrees 29 minutes 33 seconds an arc distance of 678.84 feet;
- (4) South 59 degrees 37 minutes-17 seconds East, 671.26 feet to the East line of the West half of the Northeast quarter of said Section 4;

THENCE South 00 degrees 34 minutes 55 seconds East, along said East line, 1069.41 feet to a point on the North line of property described in Warranty Deed, recorded in Docket 1709, Page 240, Pinal County Records;

THENCE South 89 degrees 18 minutes 32 seconds West, 327.80 feet to the Northwest corner of property described in said Warranty Deed;

THENCE South 00 degrees 35 minutes 26 seconds East, 431.35 feet to a point on the Northerly right-of-way line of U.S. 60 & 70;

THENCE South 80 degrees 39 minutes 39 seconds West, along said Northerly right-of-way line, 994.71 feet to the West line of said East half;

THENCE North 00 degrees 36 minutes 58 seconds West, 113.49-feet to the POINT OF BEGINNING."

## 13. PARCEL NO. 13:

The Surprisor No. 2 patented lode mining claim, Lot No. 38, embracing a portion of Section 2, Township 2 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 6258 from the United States of America to Charles L. Hastings, dated July 31, 1882, and recorded as Fee No. 1999-027022 of the official records of Pinal County, comprising 18.32 acres, more or less.

#### 14. PARCEL NO. 14:

The Windsor patented lode mining claim, Lot No. 37, embracing a portion of Section 35, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set

forth in Mineral Patent No. 6257 from the United States of America to Charles L. Hastings, dated July 31, 1882, and recorded as Fee No. 1999-027023 of the official records of Pinal County, containing 19.08 acres more or less.

#### PARCEL NO. 15: 15.

The Hub patented lode mining claim, Lot No. 41, embracing a portion of Section 36, Township 1 South, Range 12. East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 9362 from the United States of America to Silver Queen Mining Co., dated June 2, 1884, and recorded in Book 19 of Mining Deeds, page 159 of the official records of Pinal County, containing 10.16 acres more or less.

#### PARCEL NO. 16:, 16.

The Irene patented lode mining claim, Lot No. 42, embracing a portion of Section 35, Township 1 South, Range 12 East, G&SR-Mer., a more particular description of which is set forth in Mineral Patent No. 10228 from the United States of America to Silver Queen Mining Co., dated October 21, 1885, and recorded in Book 19 of Mining Deeds, page 165 of the official records of Pinal County, containing 20.66 acres more or less.

#### PARCEL NO. 17: 17.

The Mowry patented lode mining claim, Lot No. 44, embracing a portion of Section 23, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 11374 from the United States of America to Mowry Silver Mining Co., dated December 16, 1886, and recorded in Book 6 of Mining Deeds, page 358 of the official records of Pinal County, containing 14.35 acres more or less.

#### PARCEL NO. 18: 18.

The Bilk patented lode mining claim, Lot No. 45, embracing a portion of Section 24, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 23791 from the United States of America to Mowry Silver Mining Co., dated January 4, 1894, and recorded in Book 6 of Mining Deeds, page 361 of the official records of Pinal County, containing 13.665 acres, more or less.

EXCEPT "that portion of the ground hereinbefore described, embraced in said mining claim in lot No. 44, and also all that portion of said Bilk vein or lode;...."

#### PARCEL NO. 19: 19.

The Silver and Copper Pocket, Queen No. 2, Silver Tip, and Blackfoot patented lode mining claims, Mineral Survey No. 2144, embracing a portion of Section 25 and 36, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 44500 from the United States of America to Joseph Cope, dated November 13, 1906, and recorded in Book 23, of Mining Deeds, page 199 of the official records of Pinal County, Arizona containing 80.457 acres, more or less.

## 20. PARCEL NO. 20:

The Sunnyside, Caldonia, Republic, Golden Eagle, Skyward, New Calumet, Excelsior, Golden Eagle Extension, and Gold Crown patented lode mining claims, Mineral Survey No. 2860, embracing a portion of Sections 35, and 36, Township 1 South, Range 12 East, and Section 2, Township 2 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 335073 from the United States of America to Lake Superior and Arizona Mining & Smelting Co., dated May 20, 1913, and recorded in Book 1-A of Mining Deeds, page 178 of the official records of Pinal County, comprising 136.336 acres, more or less.

EXCEPT "all that portion of the ground hereinbefore described, embraced in said mining claims or Surveys Nos. 342, 350 and 2144, said Lots Nos. 37 and 38; and said Monarch, Gold Crown No. 2, and Shark lode claims, unsurveyed, ... "

## 21. PARCEL NO. 21:

The Square Deal patented lode mining claim, Mineral Survey No. 2860, embracing a portion of Section 2, Township 2 South, Range 12-East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 893409 from the United States of America to Magma Copper Co., dated January 19, 1923, and recorded in Book 4 of Mining Deeds, pages 105 of the official records of Pinal County, containing 18.397 acres, more or less.

EXCEPT "any portion lying Westerly of the Westerly line of highway as shown on Plat of Square Deal Subdivision."

#### 22. PARCEL NO. 22:

The San Francisco, Rain Cloud, Oakland, and Oversight patented-lode mining claims, Mineral Survey No. 2930A, embracing a portion of Section 35, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 375319 from the United States of America to Queen Copper Mining Co., dated September 16, 1914, and recorded in Book 1-A of Mining Deeds, page 221 of the official records of Pinal County, containing 79.118 acres, more or less.

EXCEPT "all that portion of the ground hereinbefore described, embraced in said Sunnyside lode claim Survey No. 2860 . . ."

#### 23. PARCEL NO. 23:

The Shark, Monarch, Reddy Pay, Jumbo, Fraction, Oversight No. 1 and Oversight No. 3 patented lode mining claims, Mineral Survey No. 2994, embracing a portion of Section 36, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 397044 from the United States of America to Magma Copper Co.,

dated April 8, 1914, and recorded in Book 1-A of Mining Deeds, page 245 of the official records of Pinal County, containing 79.248 acres, more or less.

EXCEPT "all that portion of the ground, hereinbefore described, embraced in said Queen No. 2 and Silver and Copper Pocket lode claims, Survey No. 2144 and said Caledonia and Republic lode claims, Survey No. 2860, . . ."

# .24. PARCEL NO. 24:

The Selma and Skiberean patented lode mining claims, Mineral Survey No. 2837, embracing a portion of Sections 1 and 12, Township 2 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 413338 from the United States of America to Consolidated Holding and Trust Co., dated June 12, 1914, and recorded in Book 2 of Mining Deeds, page 306 of the official records of Pinal County, containing 29.608 acres, more or less.

## 25. PARCÉL NO. 25:

The Sacramento patented lode mining claim and the Queen Annex patented millsite, Mineral Survey Nos. 2930A and 2930B, embracing a portion of Section 35, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 431461 from the United States of America to Queen Copper Mining Co., dated September 16, 1914, and recorded in Book 1-A of Mining Deeds, page 288 of the official records of Pinal County, such mining claim containing 10.07 acres and such millsite containing 4.995 acres, more or less.

EXCEPT "all that portion of the ground hereinbefore described, embraced in said Oakland and San Francisco lode claims Survey No. 2930 A, and also all that portion of the Sacramento vein or lode, . . . "

#### 26. PARCEL NO. 26:

The Queen Fraction patented lode mining claim, Mineral Survey-No. 2930A, embracing a portion of Section 35, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 431460 from the United States of America to Queen Copper Mining Co., dated September 16, 1914, and recorded in Book 1-A of Mining Deeds, page 286 of the official records of Pinal County, containing 6.747 acrès, more or less.

EXCEPT "all that portion of the ground hereinbefore described, embraced in said Oakland lode claim Survey No. 2930 A, . . ."

#### 27. PARCEL NO. 27:

The David Harum, Interloper, Virginian and Taft patented lode mining claims, Mineral Survey, No. 3106, embracing a portion of Section 2, Township 2 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 524455 from the United States of America to William A. Davidson, dated March 13, 1916, and recorded in Book 2 of

Mining Deeds, pages 285-287 of the official records of Pinal County, Arizona containing 67.908 acres, more or less.

EXCEPT "all that portion of the ground hereinbefore described, embraced in said mining claim or Lot No. 38 and said Gold Crown No. 2 lode claim, unsurveyed, . . ."

## 28. PARCEL NO. 28:

The Silverside patented lode mining claim, Mineral Survey No. 2929, embracing a portion of Section 26, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 330214 from the United States of America to Queen Copper Mining Co., dated May 2, 1913, and recorded in Book 1A of Mining Deeds, page 168 of the official records of Pinal County, containing 19.449 acres, more or less.

## 29. PARCEL NO. 29:

The Silver Tip Extension, Oversight No. 1, Shark, Reddy Pay, Jumbo and Monarch patented millsites, Mineral Survey No. 3144, embracing a portion of Section 35, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 562248 from the United States of America to Magma Copper Co., dated January 18, 1917, and recorded in Book 2 of Mining-Deeds, page 324 of the official records of Pinal County, containing 26.414 acres, more or less.

EXCEPT "all that portion of the ground hereinbefore described, embraced in said mining claim or Survey No. 2930A., . . . "

#### 30. PARCEL NO. 30:

The Lone Star patented lode mining claim; Mineral Survey No. 3096, embracing a portion of Section 11, Township 2 South, Range 12 East, G&SR-Mer., a more particular description of which is set forth in Mineral Patent No. 627987 from the United States of America to Consolidated Holding and Trust Co. & The Calumet and Arizona Mining Co., and Frank Snyder, dated April 29, 1918, and recorded in Book 3 of Mining Deeds, page 81 of the official records of Pinal County, containing 18.818 acres, more or less.

#### 31. PARCEL NO. 31:

The Panic patented lode mining claim, Mineral Survey No. 2836, embracing a portion of Section 2, Township 2 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 633038 from the United States of America to Consolidated Holding and Trust Co., dated June 4, 1918, and recorded in Book 4 of Mining Deeds, page 174-of the official records of Pinal County, containing 18.131 acres, more or less.

## 32. PARCEL NO. 32:

The Iron Cap and Mountain View patented lode mining claims, Mineral Survey No. 3094, embracing a portion of Section 12, Township 2 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 631620 from the United States of America to Consolidated Holding and Trust Co. & The Calumet and Arizona Mining Co., dated May 24, 1918, and recorded in Book 3 of Mining Deeds, page 86 of the official records of Pinal County, Arizona, containing 37.636 acres, more or less.

# 33. PARCEL NO. 33:

The Hillside, Monte Carlo, Touch Not, Touch Not No. 3, Rawhide and Belmont patented lode mining claims, Mineral Survey No. 2838, embracing a portion of Sections 1 and 12, Township 2 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 658231 from the United States of America to Consolidated Holding and Trust Co., dated January 10, 1919, and recorded in Book 3 of Mining Deeds, page 219 of the official records of Pinal County, comprising 113.998 acres.

## 34. PARCEL NO. 34:

The Pacific No. 1, Pacific No. 7, Pacific No. 13, Pacific No. 19, Pacific No. 25, Pacific No. 32 and Grand patented lode mining claims, Mineral Survey No. 3581, embracing a portion of Sections 12, Township 2 South, Range 12 East, G&SR Mer., a-more particular description of which is set forth in Mineral Patent No. 838255 from the United States of America to Grand Pacific Mining Co., dated December 21, 1921, and recorded in Book 3 of Mining Deeds, page 561 of the official records of Pinal County, comprising 123:454 acres, more or less.

## 35. PARCEL NO. 35:

The Gerald Cansler patented lode mining claim, Mineral Survey No. 3483, embracing a portion of Section 26, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 857949 from the United States of America to Magma Chief Copper Co., dated April 6, 1922, and recorded in Book 5 of Mining Deeds, page 36 of the official records of Pinal County, comprising 20.452 acres, more or less.

## 36. PARCEL NO. 36:

The Silver Tip Extension and Horse Shoe patented lode mining claims, Mineral Survey No. 2995, embracing a portion of Sections 25 and 36, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 867990 from the United States of America to Magma Copper Co., dated June 14, 1922, and recorded in Book 4 of Mines of Mining Deeds, page 15, of the official records of Pinal County, comprising 40.966 acres, more or less.

## 37. PARCEL NO. 37:

The Long Wedge, Picket Post, Palace, Watson and Tuna patented lode mining claims, Mineral Survey No. 3482, embracing a portion of Sections 25 and 26, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 876071 from the United States of America to Magma Chief Copper Co., dated August 14, 1922, and recorded in Book 5 of Mining Deeds, page 32 of the official records of Pinal County, comprising 84.77-acres, more or less:

# 38. PARCEL NO. 38:

The Maine #1, Maine #2, Maine #3, Gold Crown #1 and Gold Crown #2 patented lode mining claims, Mineral Survey, No. 3669A, embracing a portion of Section 2, Township 2 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 982602 from the United States of America to Queen Creek Copper Co., dated July 22, 1926, and recorded in Book 5 of Mining Deeds, page 26 of the official records of Pinal County, comprising 79.55 acres, more or less.

EXCEPT "all that portion of the ground hereinbefore described, embraced in said Golden Eagle Extension lode claim Survey No. 2860; said Interloper-lode claim Survey No. 3106; and that portion of said Gold Crown lode claim Survey No. 2860 designated as Tracts A and B, hereinafter described; beginning for the description of Tract "A" at corner No. 1 of said Maine #2 lode claim; thence north sixty-six degrees forty-nine minutes east ten and thirty-one-hundredths feet, thence south seventy-seven degrees forty-eight minutes west eighty-two-hundredths of a foot, thence north twenty-six degrees twenty minutes west fifty-four and seventy-nine-hundredths feet to the place of beginning; beginning for the description of Tract "B" at corner No. 1 of said Maine #2 lode claim, thence south twenty-six degrees twenty minutes east fifty-four and seventy-nine-hundredths feet, thence south seventy-seven degrees forty-eight minutes west two hundred eight-seven and twelve-hundredths feet, thence north sixty-six degrees forty-nine minutes east two hundred seventy-eight and eighty-seven-hundredths feet to the place of beginning; ..."

## 39. PARCEL NO. 39:

The Overlook patented lode mining claim, Mineral Survey No. 4092, embracing a portion of Section 35, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 1039436 from the United States of America to Magma Copper Co., dated August 6, 1930, and recorded in Book 5 of Mining Deeds, page 359 of the official records of Pinal County, comprising 20.638 acres, more or less.

## 40. PARCEL NO. 40:

The Silver Tip Extension No. 1 patented lode mining claim, Mineral Survey No. 4093, embracing a portion of Section 25, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 1039437 from the United States

of America to Magma Copper Co., dated August 6, 1930, and recorded in Book 5 of Mining Deeds, page 357 of the official records of Pinal County, comprising 20.388 acres, more or less.

# 41. PARCEL: NO. 41:

The Elm No. 1, Elm, Hard Rock No. 10, San Francisco, Queen Fraction, Oversight, New Calumet, Excelsior, Gold Crown, Golden Eagle Extension, Caledonia, Safety, Republic, Skyward, Oak No. 12, Aldridge, Hard Rock No. 8, Hard Rock No. 9, Windsor, Golden Eagle, Sacramento, Rain Cloud patented millsites, Mineral Survey No. 4095, embracing a portion of Sections 34 and 35, Township 1 South, Range 12 East, and Section 3, Township 2 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 1042131 from the United States of America to Magma Copper Co., dated November 18, 1930, and recorded in Book 5 of Mining Deeds, page 378 of the official records of Pinal County, comprising 106.849 acres, more or less.

# 42. PARCÉL NÓ. 42:

The Yellow Coat, Florence Adams, North Queen, Black Rock and Baltic patented lode mining claims, Mineral Survey No. 4149, embracing a portion of Section 25, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 10962423 from the United States of America to Magma Copper Co., dated March 30, 1933, and recorded in Book 52, page 135 of the official records of Pinal County, comprising 69.191 acres, more or less.

EXCEPT "all that portion of the ground hereinbefore described, embraced in said mining claims or Surveys Nos. 350 and 2929; and Watson, Picket Post, Palace and Tuna lode claims Survey No. 3484; and said Blackfoot lode claim Survey No. 2144..."

# 43. PARCEL NO. 43:

The Spring patented lode mining claim, Mineral Survey No. 4150, embracing a portion of Section 36, Township 1 South, Range 12 East, G&SR Mer., a more-particular description of which is set forth in Mineral Patent No. 1062846 from the United States of America to Magma Copper Co., dated April 11, 1933, and recorded in Book 52, page 159 of the official records of Pinal County, comprising 15.894 acres, more or less.

# 44. PARCEL NO. 44:

The Irene, Silver Tip, Surpriser No. 2, Silver and Copper Pocket, Oakland, Square Deal, Overlook, Horse Shoe and Fraction patented millsites, Mineral Survey No. 4152, embracing a portion of Section 35, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 1077084 from the United States of America to Magma Copper Co., dated July 29, 1935, and recorded in Book 6 of Mining Deeds, page 103 of the official records of Pinal County, comprising 42.779 acres, more or less; but excluding any portion that overlaps any property within the town of Superior city limits as of March 1, 2004.

## 45. PARCEL NO. 45:

The Horseshoe No. 1, Horseshoe No. 2 and Silver Tip Extension No. 2 patented lode mining claims, Mineral Survey No. 4231, embracing a portion of Sections 25 and 36, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 1114857 from the United States of America to Magma Copper Co., dated October 8, 1942, and recorded in Book 6 of Mining Deeds, page 520 of the official records of Pinal County, comprising 49.828 acres, more or less.

EXCEPT "all that portion of the ground hereinbefore described, embraced in said mining claims or Surveys Nos. 4150 and 4093; and said Silver Tip Extension No. 1 lode claim, Survey No. 2995,..."

## 46. PARCEL'NO. 46:

The Lake Erie No. 3 and Lake Erie No. 4 patented lode mining claims, Mineral Survey No. 4235, embracing a portion of Section 36, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 1119466 from the United States of America to Magma Copper Co., dated February 14, 1945, and recorded in Book 7 of Mining Deeds, page 11 of the official records of Pinal County, comprising 32.211 acres, more or less.

EXCEPT "all that portion of the ground hereinbefore described, embraced in said mining claim or Survey No. 2994 and said Silver and Copper Pocket lode claim, Survey No. 2144, ..."

## 47. PARCEL NO. 47:

The Happy Hunch and Magma Extension patented lode mining claims, Mineral Survey No. 4499A, and the Happy Hunch and Magma Extension patented millsites, Mineral Survey No. 4499B, embracing a portion of Sections 34 and 35, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent-No. 02-62-0113 from the United States of America to Magma Copper Co., dated June 1, 1962, and recorded in Docket 326, page 418 of the official records of Pinal County, such mining claims comprising 28.717 acres, more or less, and such millsites comprising 7.145 acres, more or less.

EXCEPT "all of that portion of ground within the boundaries of the Sacramento and Oakland mining claims, Survey No. 2930A; ..."

## 48. PARCEL NO. 48:

The Elm, Elm No. 1, Elm No. 2 and Red Cloud patented lode mining claims, Mineral Survey Nos. 4500 and 4500A, embracing portions of Section 2 of Township 2 South, Range 12 East and Section 36, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 02-63-0087 from the United States of America to Magma Copper Co., dated February 15, 1963, and recorded in Docket 345, page 82 of the official records of Pinal County, comprising 37.72 acres, more or less.

EXCEPT "all of that portion of ground within the boundaries of the Excelsior lode claim, Survey No. 2860; the Golden Eagle Extension lode claim, Survey No. 2860; and the Main #2 lode claim, Survey 3669A; ...."

## 49. PAŔCEĽ NO. 49:

The Magma, Magma No. 1 and Lake Erie No. 8 patented lode mining claims, Mineral Survey No. 4502, embracing a portion of Section 36 of Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 02-63-0007 from the United States of America to Magma Copper Co., dated July 13, 1962, and recorded in Docket 329, page 551 of the official records of Pinal County, comprising 60.681 acres, more or less.

## 50. PARCEL NO. 50:

The Ash No. 2, Ash No. 3, Blackfoot No. 4, "Life Saver," Horseshoe No. 3, New Lake, Oak, Oak No. 2, Silver Tip Extension No. 3, Whitefoot No. 1, White Foot No. 2 and White-Foot No. 3 patented lode mining claims, Mineral Survey No. 4633, embracing portions of Sections 25 and 36 of Township 1 South, Range 12 East, and Sections 30 and 31, Township 1 South, Range 13 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 02-68-0020 from the United States of America to Magma Copper Co., dated September 29, 1967, and recorded in Docket 518, page 934, of the official records of Pinal County, comprising 200.88 acres, more or less.

EXCEPT "all of those portions of ground within the boundaries of the Spring lode claim, Survey No. 4150, Horseshoe No. 2 lode claim, Survey No. 4231, Magma and Magma No. 1 lode claims, Survey No. 4502..."

# 51. PARCEL NO. 51:

The East No. 1, East No. 2, East No. 6, East No. 7, East No. 11, East No. 12 and East No. 13 patented lode mining claims, Mineral Survey No. 4674, embracing portions of Sections 29 and 32, Township 1 South, Range 13 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 02-70-0081 from the United States of America to Magma Copper Co., dated May 4, 1970, and recorded in Docket 598, page 498 of the official records of Pinal County, comprising 139.404 acres, more or less.

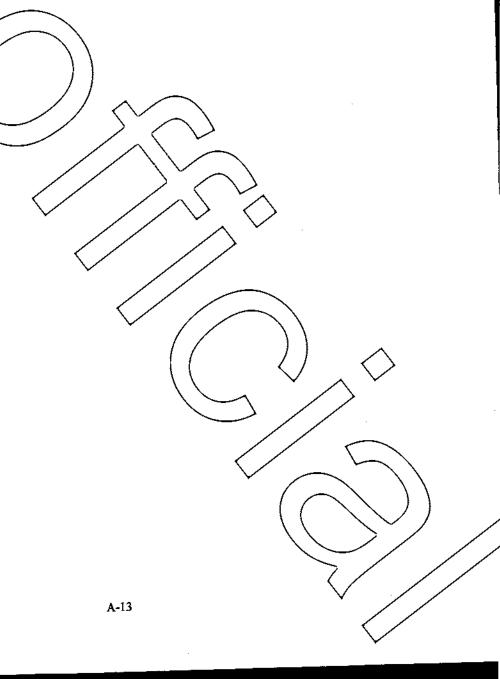
## 52. PARCEL NO. 52:

The Blackfoot No. 2 and Blackfoot No. 3 patented lode mining claims, Mineral Survey No. 4501, embracing a portion of Section 25, Township 1 South, Range 12 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 02-63-0006 from the United States of America to Magma Copper Co., dated July 13, 1962, and recorded in Docket 329, page 540 of the official records of Pinal County, comprising 40.939 acres, more or less.

## 53. PARCEL NO. 53:

The Oak No. 4, Oak No. 7, Oak No. 14, Oak No. 16 and Oak No. 17 patented lode mining claims, Mineral Survey Nos. 4633 and 4797, embracing portions of Sections 31 and 32, Township 1 South, Range 13 East, G&SR Mer., a more particular description of which is set forth in Mineral Patent No. 02-96-0027 from the United States of America to Magma Copper Co., dated September 10, 1996, and recorded as Document Fee No. 1996-032585 of the official records of Pinal County, comprising 99.96 acres, more or less.

EXCEPT "all of that portion of the ground within the boundaries of the East No. 1 lode claim, Mineral Survey Number 4674 exclusive of its conflict with Oak No. 4 lode claim, East No. 2 lode claim, Mineral Survey Number 4674 and East No. 3 lode claim, Mineral Survey Number 4674; . . . "



APPENDIX D Radius Map Report **Apache Leap South-End** 

Pinal County, Arizona Superior, AZ 85173

Inquiry Number: 7904630.2s

February 20, 2025

# The EDR Radius Map™ Report with GeoCheck®



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

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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**

PINAL COUNTY, ARIZONA SUPERIOR, AZ 85173

#### **COORDINATES**

Latitude (North): 33.2744740 - 33° 16' 28.10" Longitude (West): 111.0710480 - 111° 4' 15.77"

Universal Tranverse Mercator: Zone 12 UTM X (Meters): 493383.5 UTM Y (Meters): 3681526.0

Elevation: 4506 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 50000961 SUPERIOR, AZ

Version Date: 2021

## AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20190703 Source: USDA

## MAPPED SITES SUMMARY

Target Property Address: PINAL COUNTY, ARIZONA SUPERIOR, AZ 85173

Click on Map ID to see full detail.

MAP				RELATIVE	DIST (ft. & mi.)
ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	<b>ELEVATION</b>	DIRECTION
1	DAGGS GROUP		MINES MRDS	Lower	1 ft.
2	BHP COPPER INC		US MINES	Lower	401, 0.076, WNW
A3	GRAND PACIFIC MINE		MINES MRDS	Lower	414, 0.078, South
A4	GRAND PACIFIC		MINES MRDS	Lower	423, 0.080, South
B5	BELMONT COPPER PROPE		MINES MRDS	Lower	918, 0.174, WSW
B6	BELMONT MINE		MINES MRDS	Lower	1171, 0.222, WSW

#### 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 (Super	fund) sites
NPL Proposed NPL NPL LIENS	Proposed National Priority List Sites
Lists of Federal Delisted NF	PL sites
Delisted NPL	National Priority List Deletions
Lists of Federal sites subject	ct to CERCLA removals and CERCLA orders
	Federal Facility Site Information listing Superfund Enterprise Management System
Lists of Federal CERCLA si	tes with NFRAP
SEMS-ARCHIVE	Superfund Enterprise Management System Archive
Lists of Federal RCRA facili	ities undergoing Corrective Action
CORRACTS	Corrective Action Report
Lists of Federal RCRA TSD	facilities
RCRA-TSDF	RCRA - Treatment, Storage and Disposal
Lists of Federal RCRA gene	erators
RCRA-SQG	RCRA - Large Quantity Generators RCRA - Small Quantity Generators RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)
Federal institutional control	ls / engineering controls registries
LUCIS	Land Use Control Information System

US ENG CONTROLS..... Engineering Controls Sites List US INST CONTROLS...... Institutional Controls Sites List Federal ERNS list ERNS..... Emergency Response Notification System 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 .....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 ......Voluntary Remediation Program Sites 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

RCRA NonGen / NLR\_\_\_\_\_\_ RCRA - Non Generators / No Longer Regulated

FUDS..... Formerly Used Defense Sites

US FIN ASSUR..... Financial Assurance Information

EPA WATCH LIST..... EPA WATCH LIST

2020 COR ACTION.......... 2020 Corrective Action Program List

TSCA..... Toxic Substances Control Act

TRIS...... Toxic Chemical Release Inventory System

SSTS..... Section 7 Tracking Systems ROD...... Records Of Decision RMP..... Risk Management Plans

PRP...... Potentially Responsible Parties 

ICIS\_\_\_\_\_\_Integrated Compliance Information System

FTTS......FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide

Act)/TSCA (Toxic Substances Control Act) ..... Material Licensing Tracking System

COAL ASH DOE..... Steam-Electric Plant Operation Data

COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List

PCB TRANSFORMER...... PCB Transformer Registration Database

RADINFO...... Radiation Information Database

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

DOT OPS..... Incident and Accident Data

CONSENT..... Superfund (CERCLA) Consent Decrees

INDIAN RESERV..... Indian Reservations

FUSRAP..... Formerly Utilized Sites Remedial Action Program

UMTRA..... Uranium Mill Tailings Sites

LEAD SMELTERS..... Lead Smelter Sites

US AIRS...... Aerometric Information Retrieval System Facility Subsystem

ABANDONED MINES..... Abandoned Mines

UXO...... Unexploded Ordnance Sites

FUELS PROGRAM..... EPA Fuels Program Registered Listing

PFAS NPL.....Superfund Sites with PFAS Detections Information

PFAS FEDERAL SITES..... Federal Sites PFAS Information PFAS TRIS...... List of PFAS Added to the TRI

PFAS TSCA......PFAS Manufacture and Imports Information

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

PFAS ECHO FIRE TRAIN.... Facilities in Industries that May Be Handling PFAS Listing PFAS PT 139 AIRPORT...... All Certified Part 139 Airports PFAS Information Listing

UST FINDER UST Finder Database

E MANIFEST..... Hazardous Waste Electronic Manifest System

MANIFEST..... Facility and Manifest Data

#### **EDR HIGH RISK HISTORICAL RECORDS**

#### **EDR Exclusive Records**

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

#### **EDR RECOVERED GOVERNMENT ARCHIVES**

#### Exclusive Recovered Govt. Archives

RGA HWS\_\_\_\_\_\_\_Recovered Government Archive State Hazardous Waste Facilities List RGA LF\_\_\_\_\_\_\_Recovered Government Archive Solid Waste Facilities List

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

#### **SURROUNDING SITES: SEARCH RESULTS**

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

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

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

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

#### ADDITIONAL ENVIRONMENTAL RECORDS

#### Other Ascertainable Records

US MINES: Mines Master Index File. The source of this database is the Dept. of Labor, Mine Safety and Health Administration.

A review of the US MINES list, as provided by EDR, has revealed that there is 1 US MINES site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page	
BHP COPPER INC		WNW 0 - 1/8 (0.076 mi.)	2	9	
Database: US MINES, Date of Go	vernment Version: 11/01/2024				
Mine ID:: 0200791					

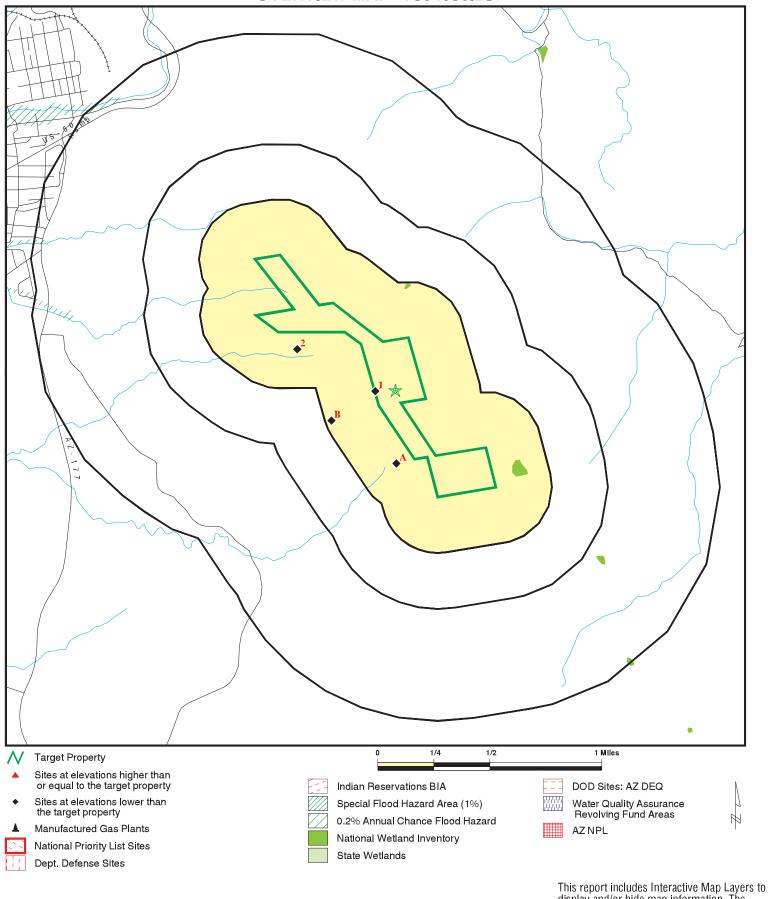
MINES MRDS: Mineral Resources Data System

A review of the MINES MRDS list, as provided by EDR, and dated 06/04/2024 has revealed that there are 5 MINES MRDS sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
DAGGS GROUP		0 - 1/8 (0.000 mi.)	1	8
GRAND PACIFIC MINE		S 0 - 1/8 (0.078 mi.)	A3	9
GRAND PACIFIC		S 0 - 1/8 (0.080 mi.)	A4	10
BELMONT COPPER PROPE		WSW 1/8 - 1/4 (0.174 mi.)	B5	11
BELMONT MINE		WSW 1/8 - 1/4 (0.222 mi.)	B6	12

There were no unmapped sites in this report.

## **OVERVIEW MAP - 7904630.2S**

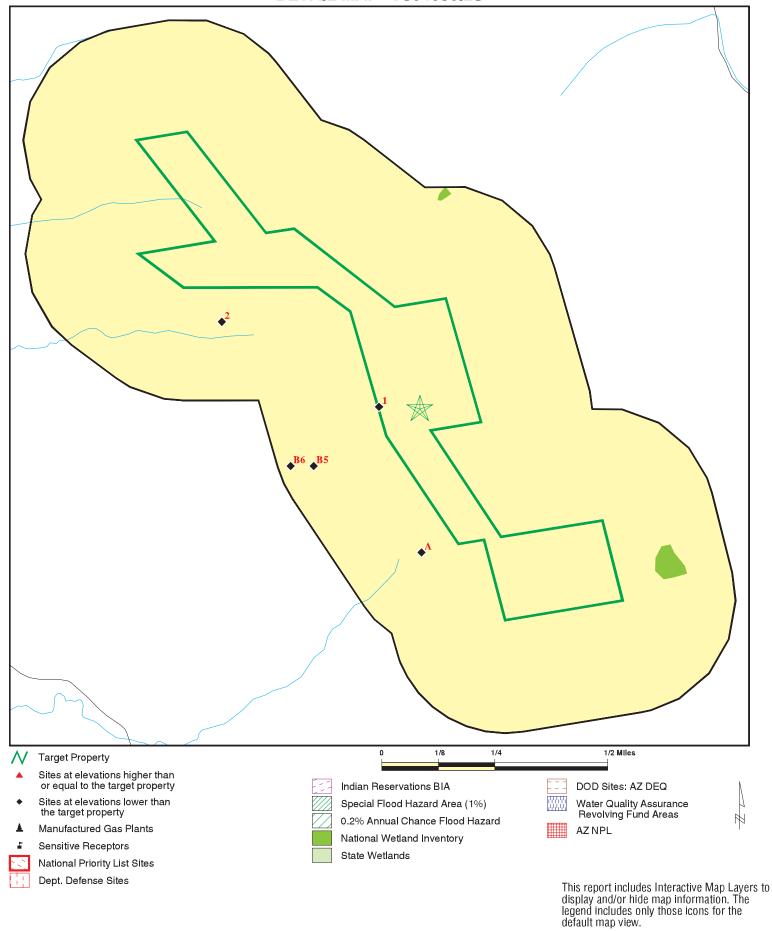


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Apache Leap South-End
ADDRESS: Pinal County, Arizona
Superior AZ 85173
LAT/LONG: 33.274474 / 111.071048

CLIENT: Westland Resources
CONTACT: Samantha Blonder Blonder
INQUIRY #: 7904630.2s
DATE: February 20, 2025 5:34 pm

## **DETAIL MAP - 7904630.2S**



SITE NAME: Apache Leap South-End
ADDRESS: Pinal County, Arizona
Superior AZ 85173
LAT/LONG: 33.274474 / 111.071048

CLIENT: Westland Resources
CONTACT: Samantha Blonder Blonder
INQUIRY #: 7904630.2s
DATE: February 20, 2025 5:39 pm

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted	
STANDARD ENVIRONMENTAL RECORDS									
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	I 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	NR NR	NR NR	0 0	
Lists of Federal CERCLA	A sites with N	FRAP							
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0	
Lists of Federal RCRA facilities undergoing Corrective Action									
CORRACTS	1.000		0	0	0	0	NR	0	
Lists of Federal RCRA T	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 con engineering controls reg									
LUCIS US ENG CONTROLS US INST CONTROLS	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0	
Federal ERNS list									
ERNS	0.001		0	NR	NR	NR	NR	0	
Lists of state- and tribal (Superfund) equivalent s									
AZ NPL AZ WQARF	1.000 1.000		0	0 0	0 0	0 0	NR NR	0 0	
Lists of state- and tribal hazardous waste facilitie									
SPL SHWS	1.000 1.000		0	0 0	0 0	0 0	NR NR	0 0	
Lists of state and tribal l 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 tribal	leaking storaç	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 tribal	registered sto	rage 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 institution control / engineering co		es						
AZURITE AUL	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of state and tribal	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 tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENT	NTAL RECORD	<u>s</u>						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	Solid							
SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI DEBRIS REGION 9	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS  Local Lists of Hazardou  Contaminated Sites	0.500 s waste/		0	0	0	NR	NR	0
US HIST CDL	0.001		0	NR	NR	NR	NR	0
CDL US CDL	0.001 0.001		0	NR NR	NR NR	NR NR	NR NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency	Release Repo	rts						
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 Red								
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		Ö	ő	Ö	0	NR	ő
SCRD DRYCLEANERS	0.500		Ö	Ö	Ö	NR	NR	Ö
US FIN ASSUR	0.001		Õ	NŘ	NR	NR	NR	Ö
EPA WATCH LIST	0.001		Ö	NR	NR	NR	NR	Ö
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		Ō	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		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 INDIAN RESERV	1.000 1.000		0	0	0	0	NR NR	0
FUSRAP	1.000		0 0	0 0	0 0	0 0	NR NR	0 0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	ő
US MINES	0.250		1	0	NR	NR	NR	1
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		3	2	NR	NR	NR	5
FINDS	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
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
PEAS ISCA	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 NB	NR	NR NB	0
PFAS WQP PFAS NPDES	0.250 0.250		0	0	NR NR	NR NR	NR NR	0 0
PFAS PROJECT	0.250		0 0	0 0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR NR	NR NR	NR NR	0
PFAS ECHO FIRE TRAIN	0.250		0	0	NR	NR	NR	0
PFAS PT 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	0.001		0	NR	NR	NR	NR	ő
			-					-

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST FINDER RELEASE UST FINDER E MANIFEST PFAS AQUEOUS FOAM AIRS Aquifer AZ DOD Dry Wells DRYCLEANERS EMAP Enforcement Financial Assurance MANIFEST SPDES VAPOR UIC	0.500 0.250 0.250 0.250 0.250 0.001 0.001 0.500 0.001 0.001 0.001 0.250 0.001 0.500 0.001		0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 NR 0 NR 0 NR NR 0 NR NR 0 NR 0 NR 0 NR 0 NR 0 NR 0 0 0 0	O NR NR NR NR NR NR NR NR NR NR NR NR NR N	NR R R R R R R R R R R R R R R R R R R	NR	
WWFAC DRYWELLS HIST EDR HIGH RISK HISTORICA	0.500 TP		0 NR	0 NR	0 NR	NR NR	NR NR	0
EDR Exclusive Records								
EDR MGP EDR Hist Auto EDR Hist Cleaner	1.000 0.125 0.125		0 0 0	0 NR NR	0 NR NR	0 NR NR	NR NR NR	0 0 0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Go	vt. Archives							
RGA HWS RGA LF RGA LUST	0.001 0.001 0.001		0 0 0	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
- Totals		0	4	2	0	0	0	6

#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

1 **DAGGS GROUP** MINES MRDS 1025598458 N/A

Not reported

< 1/8 PINAL (County), AZ 1 ft.

MINES MRDS:

**DAGGS GROUP** Relative: Name: Lower Address: Not reported 10113245 Deposit identification Number: Actual: ARIZONA City,State,Zip: 4188 ft.

**URL**:

MRDS Identification Number: Not reported 40210285 MAS/MILS Identification Number: Region: NA

Country: **United States Primary Commodities:** Iron, Lead

Molybdenum, Vanadium

Secondary Commodities: **Tertiary Commodities:** Not reported Underground Operation Type: Deposit Type: Not reported Production Size: Not reported **Development Status:** Past Producer Ore Minerals or Materials: Not reported Gangue Minerals or Materials: Not reported Other Minerals or Materials: Not reported Not reported Ore Body Form: Workings Type: Not reported Mineral Deposit Model: Not reported Alteration Processes: Not reported Concentration Processes: Not reported Previous Names: Not reported Not reported Ore Controls: Reporter: Not reported Host Rock Unit Name: Not reported Host Rock Type: Not reported Associated Rock Unit Name: Not reported Associated Rock Type Code: Not reported Structural Characteristics: Not reported Tectonic Setting: Not reported References: Not reported First Production Year: Not reported Began Before/After FPY: Not reported

Ended Before/After LPY: Not reported Not reported Year Discovered: Not reported Found Before/After YD: Not reported Production History: Discovery Information: Not reported Latitude: 33.27449 Longitude: -111.0726 Object ID: 110276 Score: Not reported

Last Production Year:

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**BHP COPPER INC US MINES** 1011121341 N/A

WNW

< 1/8 PINAL (County), AZ

0.076 mi. 401 ft.

Relative:

US MINES: Lower Sic Code(s): 102100 Sic Code(s): 000000 Actual: Sic Code(s): 000000 3705 ft. Sic Code(s): 000000

Sic Code(s): 000000 Sic Code(s): 000000 Mine ID: 0200791 **BHP COPPER** Entity Name: Company: **BHP COPPER INC** Status: Permanently Abandoned

19980601 Status Date: Operation Class: 2 Number of Shops: 0 Number of Plants: 0 Latitude Degree: 00 Longitude Degree: 000 Latitude Minute: 00 Latitude Seconds: 00 Longitude Minutes: 00 Longitude Seconds: 00 Number of Pits: 000

MINES MRDS 1025553242 А3 **GRAND PACIFIC MINE** N/A

South

< 1/8 PINAL (County), AZ

0.078 mi.

Site 1 of 2 in cluster A

414 ft.

Relative: MINES MRDS: Lower GRAND PACIFIC MINE Name:

Address: Not reported Actual: 3843 ft. Deposit identification Number: 10048317 ARIZONA City,State,Zip:

URL:

MRDS Identification Number: M899887 MAS/MILS Identification Number: Not reported Region: NA

Country: **United States** Primary Commodities: Copper

Secondary Commodities: Silver, Gold, Manganese

**Tertiary Commodities:** Not reported Operation Type: Unknown Deposit Type: Not reported

Production Size: S - Small amount of material produced (we do not know what criteria

are used to make this determination)

**Development Status:** Producer Ore Minerals or Materials: Cuprite Ganque Minerals or Materials: Not reported Other Minerals or Materials: Not reported Ore Body Form: Not reported Workings Type: Not reported Not reported Mineral Deposit Model:

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**GRAND PACIFIC MINE (Continued)** 

1025553242

Alteration Processes: Not reported Concentration Processes: Not reported Not reported **Previous Names:** Not reported Ore Controls: Reporter: Not reported Not reported Host Rock Unit Name: Not reported Host Rock Type: Associated Rock Unit Name: Not reported Associated Rock Type Code: Not reported Structural Characteristics: Not reported Tectonic Setting: Not reported References: Not reported First Production Year: Not reported Began Before/After FPY: Not reported Last Production Year: Not reported Ended Before/After LPY: Not reported Not reported Year Discovered: Found Before/After YD: Not reported Production History: Not reported Discovery Information: Not reported Latitude: 33.26981 Longitude: -111.07098 Object ID: 47152 Score: Not reported

Α4 **GRAND PACIFIC** MINES MRDS 1025755323 N/A

**GRAND PACIFIC** 

South

< 1/8

0.080 mi.

PINAL (County), AZ

423 ft. Site 2 of 2 in cluster A

MINES MRDS: Relative: Lower Name:

Address: Not reported Actual: Deposit identification Number: 10283301 3843 ft. City, State, Zip: **ARIZONA** 

**URL**:

MRDS Identification Number: M899887 40210485 MAS/MILS Identification Number: Region:

Country: **United States** 

**Primary Commodities:** Copper, Iron, Manganese

Secondary Commodities: Not reported Tertiary Commodities: Not reported Operation Type: Underground Deposit Type: Not reported Not reported Production Size: **Development Status:** Past Producer Ore Minerals or Materials: Not reported Gangue Minerals or Materials: Not reported Not reported Other Minerals or Materials: Ore Body Form: Not reported Workings Type: Not reported Mineral Deposit Model: Not reported Alteration Processes: Not reported Not reported Concentration Processes: Previous Names: Not reported

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**GRAND PACIFIC (Continued)** 

1025755323

Ore Controls: Not reported Not reported Reporter: Host Rock Unit Name: Not reported Host Rock Type: Not reported Associated Rock Unit Name: Not reported Associated Rock Type Code: Not reported Not reported Structural Characteristics: **Tectonic Setting:** Not reported Not reported References: First Production Year: Not reported Began Before/After FPY: Not reported Last Production Year: Not reported Ended Before/After LPY: Not reported Year Discovered: Not reported Found Before/After YD: Not reported Production History: Not reported Discovery Information: Not reported Latitude: 33.26979 Longitude: -111.071 Object ID: 276267 Not reported Score:

В5 1025688318 **BELMONT COPPER PROPERTY** MINES MRDS N/A

wsw 1/8-1/4 0.174 mi.

PINAL (County), AZ

918 ft. Site 1 of 2 in cluster B

MINES MRDS: Relative:

Lower **BELMONT COPPER PROPERTY** Name:

Address: Not reported Actual: Deposit identification Number: 10210657 3797 ft. City, State, Zip: **ARIZONA** 

**URL**:

MRDS Identification Number: M899889 MAS/MILS Identification Number: 40210158 Region: NA

Country: **United States** Primary Commodities: Silver, Copper, Gold

Secondary Commodities: Molybdenum, Vanadium, Lead, Manganese

**Tertiary Commodities:** Not reported Operation Type: Underground Deposit Type: Not reported Not reported Production Size: **Development Status:** Past Producer Ore Minerals or Materials: Not reported Gangue Minerals or Materials: Not reported Other Minerals or Materials: Not reported Ore Body Form: Not reported Workings Type: Not reported Mineral Deposit Model: Not reported Alteration Processes: Not reported Concentration Processes: Not reported Previous Names: Not reported Ore Controls: Not reported Not reported Reporter: Not reported Host Rock Unit Name:

MAP FINDINGS Map ID

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### **BELMONT COPPER PROPERTY (Continued)**

1025688318

Host Rock Type: Not reported Associated Rock Unit Name: Not reported Associated Rock Type Code: Not reported Structural Characteristics: Not reported Tectonic Setting: Not reported Not reported References: Not reported First Production Year: Began Before/After FPY: Not reported Not reported Last Production Year: Ended Before/After LPY: Not reported Not reported Year Discovered: Found Before/After YD: Not reported Production History: Not reported Discovery Information: Not reported Latitude: 33.27259 Longitude: -111.0751 Object ID: 205325 Score: Not reported

**B6 BELMONT MINE** MINES MRDS 1025579687 **WSW** N/A

**BELMONT MINE** 

1/8-1/4

PINAL (County), AZ

0.222 mi. 1171 ft.

Site 2 of 2 in cluster B

MINES MRDS: Relative: Lower Name:

Address: Not reported Actual: Deposit identification Number: 10088908 3786 ft. **ARIZONA** City,State,Zip:

MRDS Identification Number: M899889 MAS/MILS Identification Number: Not reported Region: NA Country: **United States Primary Commodities:** Copper

Secondary Commodities: Silver, Lead, Zinc, Gold **Tertiary Commodities:** Manganese, Vanadium

Operation Type: Unknown Deposit Type: Not reported

Production Size: S - Small amount of material produced (we do not know what criteria

are used to make this determination)

**Development Status:** Producer

Ore Minerals or Materials: Argentite, Cerargyrite, Chalcopyrite, Galena, Gold, Silver,

Sphalerite, Vanadinite, Wulfenite

Gangue Minerals or Materials: Not reported Other Minerals or Materials: Not reported Ore Body Form: Not reported Workings Type: Not reported Mineral Deposit Model: Not reported Not reported Alteration Processes: Not reported Concentration Processes: Previous Names: Not reported Ore Controls: Not reported Reporter: Not reported Host Rock Unit Name: Not reported Host Rock Type: Not reported Map ID MAP FINDINGS Direction

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

BELMONT MINE (Continued) 1025579687

Associated Rock Unit Name: Not reported Associated Rock Type Code: Not reported Structural Characteristics: Not reported Tectonic Setting: Not reported Not reported References: Not reported First Production Year: Not reported Began Before/After FPY: Last Production Year: Not reported Ended Before/After LPY: Not reported Year Discovered: Not reported Not reported Found Before/After YD: Production History: Not reported Discovery Information: Not reported Latitude: 33.27259 Longitude: -111.07598 Object ID: 86692 Score: Not reported Count: 0 records. ORPHAN SUMMARY

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

NO SITES FOUND

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 Source: EPA
Date Data Arrived at EDR: 01/02/2025 Telephone: N/A

Date Made Active in Reports: 01/21/2025 Last EDR Contact: 02/03/2025

Number of Days to Update: 19 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 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 Telephone: 415-947-4246

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 12/19/2024 Source: EPA
Date Data Arrived at EDR: 01/02/2025 Telephone: N/A

Date Made Active in Reports: 01/21/2025 Last EDR Contact: 02/03/2025

Number of Days to Update: 19 Next Scheduled EDR Contact:

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 Undate: 10

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 Date Data Arrived at EDR: 12/18/2024 Date Made Active in Reports: 12/20/2024

Number of Days to Update: 2

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 Date Data Arrived at EDR: 09/17/2024 Date Made Active in Reports: 12/06/2024

Number of Days to Update: 80

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 02/19/2025

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: 11/11/2024 Date Data Arrived at EDR: 11/25/2024 Date Made Active in Reports: 02/18/2025

Number of Days to Update: 85

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 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: 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

#### 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 Date Data Arrived at EDR: 05/25/2023 Date Made Active in Reports: 08/14/2023

Number of Days to Update: 81

Source: Department of Environmental Quality

Telephone: 602-771-4609 Last EDR Contact: 02/05/2025

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: 01/03/2000 Date Data Arrived at EDR: 04/11/2000 Date Made Active in Reports: 05/16/2000

Number of Days to Update: 35

Source: Department of Environmental Quality

Telephone: 602-771-4360 Last EDR Contact: 12/04/2024

Next Scheduled EDR Contact: 03/24/2025 Data 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 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: 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 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 4 Telephone: 404-562-8677 Last EDR Contact: 01/16/2025

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 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 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 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 6 Telephone: 214-665-6597 Last EDR Contact: 01/16/2025

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 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 5 Telephone: 312-886-7439 Last EDR Contact: 01/16/2025

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 Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

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 7 Telephone: 913-551-7003 Last EDR Contact: 01/16/2025

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 Date Data Arrived at EDR: 10/30/2024 Date Made Active in Reports: 01/14/2025

Number of Days to Update: 76

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 12/23/2024

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 Date Data Arrived at EDR: 12/06/2019 Date Made Active in Reports: 01/31/2020

Number of Days to Update: 56

Source: Department of Building & Fire Safety

Telephone: 602-364-1003 Last EDR Contact: 11/26/2024

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 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 5 Telephone: 312-886-6136 Last EDR Contact: 01/16/2025

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 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 6 Telephone: 214-665-7591 Last EDR Contact: 01/16/2025

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 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 4 Telephone: 404-562-9424 Last EDR Contact: 01/16/2025

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 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 7 Telephone: 913-551-7003 Last EDR Contact: 01/16/2025

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 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

#### 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

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: 03/20/2008 Date Data Arrived at EDR: 04/22/2008 Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 07/08/2021

Next Scheduled EDR Contact: 07/20/2009

Data 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. 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

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

Location of open dumps on Indian land.

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

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 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 that does not comply with one or more of the Part 257 or Part 258

Subtitle D Criteria.

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

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside

County and northern Imperial County, California.

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

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 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 Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

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

#### 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 Date Data Arrived at EDR: 06/17/2024 Date Made Active in Reports: 06/24/2024

Number of Days to Update: 7

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 12/11/2024

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 Date Data Arrived at EDR: 12/03/2024 Date Made Active in Reports: 02/19/2025

Number of Days to Update: 78

Source: Department of Environmental Quality

Telephone: 602-771-4153 Last EDR Contact: 02/18/2025

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 Date Data Arrived at EDR: 02/11/2025 Date Made Active in Reports: 02/18/2025

Number of Days to Update: 7

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 02/11/2025

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 Date Data Arrived at EDR: 10/03/2023 Date Made Active in Reports: 10/19/2023

Number of Days to Update: 16

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 02/03/2025

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 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

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

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

Number of Days to Update: 25

Source: EPA

Telephone: 202-566-1667 Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

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

Date of Government Version: 10/12/2024 Date Data Arrived at EDR: 10/17/2024 Date Made Active in Reports: 11/19/2024

Number of Days to Update: 33

Source: Nuclear Regulatory Commission

Telephone: 301-415-0717 Last EDR Contact: 01/09/2025

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 Date Data Arrived at EDR: 10/16/2024 Date Made Active in Reports: 01/14/2025

Number of Days to Update: 90

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 Date Data Arrived at EDR: 11/06/2019 Date Made Active in Reports: 02/10/2020

Number of Days to Update: 96

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 01/30/2025

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.

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 Date Made Active in Reports: 12/06/2024

Number of Days to Update: 51

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 01/22/2025

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.

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

724 Telephone: Varies 72025 Last EDR Contact: 12/30/2024

Next Scheduled EDR Contact: 04/14/2025

Source: Department of Justice, Consent Decree Library

Data Release Frequency: Varies

**BRS: Biennial Reporting System** 

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

and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021 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 lands of the United States that have any area equal to or greater

than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017

Number of Days to Update: 546

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 12/30/2024

Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 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

#### LEAD SMELTER 2: Lead Smelter Sites

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

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

Number of Days to Update: 36

Source: American Journal of Public Health

Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

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

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

Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017

Number of Days to Update: 100

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017

Number of Days to Update: 100

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

#### MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. 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

Number of Days to Update: 50

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 Date Data Arrived at EDR: 12/27/2024 Date Made Active in Reports: 01/10/2025

Number of Days to Update: 14

Source: Environmental Protection Agency

Telephone: 202-564-2280 Last EDR Contact: 12/27/2024

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 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

Data Nelease Frequency.

### 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

#### 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 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 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 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: 10/02/2024

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 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 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 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 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 provides guidance on 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

#### 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

### PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 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 Date Data Arrived at EDR: 10/16/2024 Date Made Active in Reports: 10/23/2024

Number of Days to Update: 7

Source: Environmental Protection Agency

Telephone: 202-564-4700 Last EDR Contact: 01/14/2025

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 Date Data Arrived at EDR: 03/22/2022 Date Made Active in Reports: 04/26/2022

Number of Days to Update: 35

Source: Department of Environmenatl Quality

Telephone: 602-771-6145 Last EDR Contact: 01/22/2025

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 Date Data Arrived at EDR: 10/04/2024 Date Made Active in Reports: 12/19/2024

Number of Days to Update: 76

Source: Department of Environmental Quality

Telephone: 602-771-2344 Last EDR Contact: 12/16/2024

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.

Date of Government Version: 09/12/2024 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: 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

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 General Permits Database NPDES permit sites

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 facilities.

Date of Government Version: 07/09/2012 Date Data Arrived at EDR: 07/23/2012 Date Made Active in Reports: 09/06/2012

Number of Days to Update: 45

Source: Department of Environmental Quality

Telephone: 602-771-4623 Last EDR Contact: 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 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 Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/15/2014 Number of Days to Update: 198

Source: Department of Environmental Quality

Telephone: N/A

Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Arizona.

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

Telephone: N/A Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

Source: Department of Environmental Quality

### **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: 02/12/2024 Date Data Arrived at EDR: 04/04/2024 Date Made Active in Reports: 06/24/2024

Number of Days to Update: 81

Source: Tucson Department of Environmental and General Services

Telephone: 520-791-3171 Last EDR Contact: 12/23/2024

Next Scheduled EDR Contact: 07/15/2024

Data Release Frequency: Varies

### OTHER DATABASE(S)

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

CT MANIFEST: Hazardous Waste Manifest Data

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

Date of Government Version: 11/04/2024 Date Data Arrived at EDR: 11/05/2024 Date Made Active in Reports: 01/27/2025

Number of Days to Update: 83

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 02/04/2025

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**

APACHE LEAP SOUTH-END PINAL COUNTY, ARIZONA SUPERIOR, AZ 85173

#### **TARGET PROPERTY COORDINATES**

Latitude (North): 33.274474 - 33° 16' 28.11" Longitude (West): 111.071048 - 111° 4' 15.77"

Universal Tranverse Mercator: Zone 12 UTM X (Meters): 493383.5 UTM Y (Meters): 3681526.0

Elevation: 4506 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map: 50000961 SUPERIOR, 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).

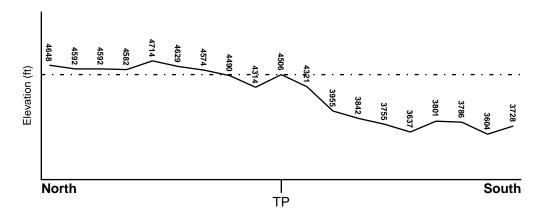
#### **TOPOGRAPHIC INFORMATION**

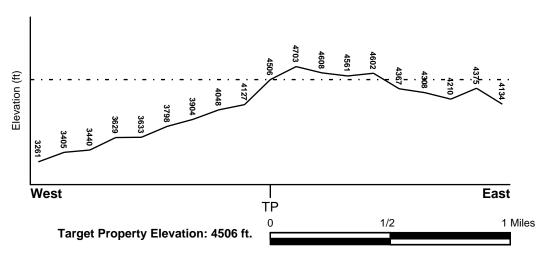
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient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

#### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SW

#### 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

04021C0290E FEMA FIRM Flood data

Additional Panels in search area: FEMA Source Type

Not Reported

**NATIONAL WETLAND INVENTORY** 

NWI Quad at Target Property Data Coverage

NOT AVAILABLE YES - refer to the Overview Map and Detail Map

#### HYDROGEOLOGIC INFORMATION

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

#### Site-Specific Hydrogeological Data\*:

Search Radius: 1.25 miles Status: Not found

#### **AQUIFLOW®**

Search Radius: 1.000 Mile.

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

LOCATION GENERAL DIRECTION

MAP ID FROM TP GROUNDWATER FLOW

Not Reported

#### **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: Paleozoic Category: Stratified Sequence

System: Pennsylvanian
Series: Upper Paleozoic

Code: uPz (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: CELLAR

Soil Surface Texture: cobbly - sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high

water table, or are shallow to an impervious layer.

Soil Drainage Class: 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: HIGH

Depth to Bedrock Min: > 2 inches

Depth to Bedrock Max: > 10 inches

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	1 inches	cobbly - sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 8.40 Min: 6.60
2	1 inches	9 inches	cobbly - sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 8.40 Min: 6.60
3	9 inches	13 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

very flaggy - sandy loam

Surficial Soil Types: unweathered bedrock

very flaggy - sandy loam

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: weathered bedrock

## **LOCAL / REGIONAL WATER AGENCY RECORDS**

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

#### WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

## FEDERAL USGS WELL INFORMATION

MAP ID WELL ID LOCATION FROM TP

No Wells Found

#### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID WELL ID FROM TP

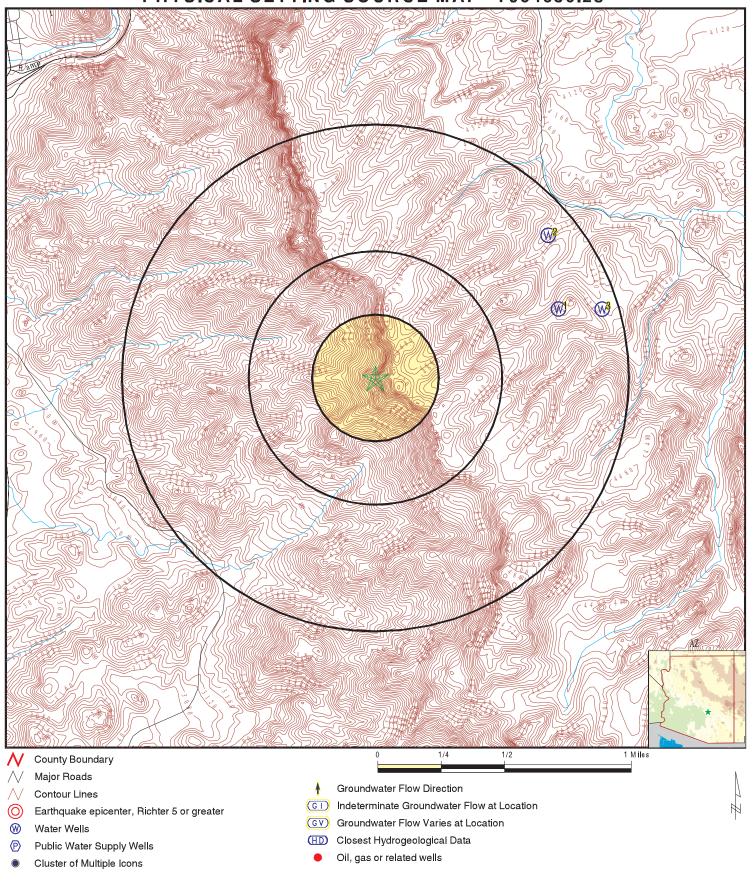
No PWS System Found

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

#### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	AZDWR1200222518	1/2 - 1 Mile ENE
2	AZDWR1200076990	1/2 - 1 Mile NE
3	AZDWR1200140274	1/2 - 1 Mile ENE

## PHYSICAL SETTING SOURCE MAP - 7904630.2s



SITE NAME: Apache Leap South-End ADDRESS: Pinal County, Arizona Superior AZ 85173 LAT/LONG: 33.274474 / 111.071048 CLIENT: Westland Resources
CONTACT: Samantha Blonder Blonder
INQUIRY#: 7904630.2s

DATE: February 20, 2025 5:40 pm

#### **GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS**

Map ID Direction Distance

 Elevation
 Database
 EDR ID Number

 1
 AZ WELLS
 AZDWR1200222518

1/2 - 1 Mile Lower

Program: 55 Registry ID: 912967

Owner Name: RESOLUTION COPPER MINING LLC Well Type: ENV - MONITOR

Well Type Group: MONITOR Water Use: MONITORING

Well Type Group: MONITOR Water Use: MONITORING
Basin Name: LOWER SAN PEDRO Driller License #: 468
Application: 21-FEB-11 Approved: 21-FEB-11
Installed Date: 06-MAR-11 Well Depth (ft): 900

Casing Type: STEEL - PERFORATED OR SLOTTED CASING

Water Level (ft): AMA or INA: OUTSIDE OF AMA OR INA

Casing Depth (ft): 900 Casing Diameter (in): 4

RGR Pump Data: NO Pump Type: Not Reported

Pump Power:Not ReportedPump Rate:0Tested Rate:0Draw Down:0

Completion: Not Reported Well Cancelled: Not Reported Driller Log: Watershed: UPPER GILA RIVER

2
NE
1/2 - 1 Mile
Lower

AZ WELLS
AZDWR1200076990

Program: 55 Registry ID: 537526

Owner Name: MAGMA COPPER CO, Well Type: SPCL - EXPLORATION Well Type Group: OTHER Water Use: NO WATER USE

Basin Name: LOWER SAN PEDRO Driller License #: 75

Application: 03-DEC-92 Approved: Not Reported

Installed Date: 09-JUN-93 Well Depth (ft): 0
Casing Type: NO CASING CODE LISTED Water Level (ft): 4667
AMA or INA: OUTSIDE OF AMA OR INA Casing Depth (ft): 0

AMA or INA:

Casing Diameter (in):

OUTSIDE OF AMA OR INA

Casing Depth (ft):

RGR Pump Data:

NO

Pump Type:

NO PUMP CODE LISTED

NO POWER CODE LISTED

 Pump Rate:
 0
 Tested Rate:
 0

 Draw Down:
 0
 Completion:
 N

 Well Cancelled:
 Y
 Driller Log:
 X

Watershed: UPPER GILA RIVER

3 ENE AZ WELLS AZDWR1200140274 1/2 - 1 Mile

Lower

Program: 55 Registry ID: 609675

Owner Name: INTEGRITY LAND AND CATTLE, LLC Well Type: EXEMPT

Well Type Group: EXEMPT Water Use: STOCK

Basin Name: LOWER SAN PEDRO Driller License #: 0

Application: 27-MAY-82 Approved: Not Reported Installed Date: Not Reported Well Depth (ft): 1400

Casing Type: STEEL - PERFORATED OR SLOTTED CASING

Water Level (ft): 300 AMA or INA: OUTSIDE OF AMA OR INA

Casing Depth (ft): 1400 Casing Diameter (in): 4

RGR Pump Data: NO Pump Type: NO PUMP CODE LISTED

Pump Power: NO POWER CODE LISTED Pump Rate: 35

## **GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS**

Tested Rate: Draw Down: 0

Completion: Driller Log: Not Reported Not Reported Well Cancelled:

Not Reported UPPER GILA RIVER Watershed:

## GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

Federal EPA Radon Zone for PINAL 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 PINAL COUNTY, AZ

Number of sites tested: 28

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.471 pCi/L	93%	7%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### **TOPOGRAPHIC INFORMATION**

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

#### HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 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<sup>R</sup> 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 E Historical Topographic Maps

Apache Leap South-End Pinal County, Arizona Superior, AZ 85173

Inquiry Number: 7904630.4

February 20, 2025

# **EDR Historical Topo Map Report**

with QuadMatch™



## **EDR Historical Topo Map Report**

02/20/25

Site Name: Client Name:

Apache Leap South-End Pinal County, Arizona Superior, AZ 85173

4001 E. Paradise Falls Drive

Tucson, AZ 85712

Westland Resources

EDR Inquiry # 7904630.4 Contact: Samantha Blonder Blonder



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	ılts:	Coordinates:	
P.O.#	bill to us	Latitude:	33.274474 33° 16' 28" North
Project:	13095 Apache Leap SE Phase	Longitude:	-111.071048 -111° 4' 16" West
-		UTM Zone:	Zone 12 North
		UTM X Meters:	493383.62
		<b>UTM Y Meters:</b>	3681718.08
		Elevation:	4518.27' above sea level
Maps Provid	led:		

2021 1900 2018 2014 2004 1981 1949 1948 1902

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## Topo Sheet Key

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

## **2021 Source Sheets**



Superior 2021 7.5-minute, 24000

## 2018 Source Sheets



Superior 2018 7.5-minute, 24000

## 2014 Source Sheets



Superior 2014 7.5-minute, 24000

#### 2004 Source Sheets



Superior 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.

## 1981 Source Sheets



Superior 1981 7.5-minute, 24000 Aerial Photo Revised 1978

## 1949 Source Sheets



Superior 1949 7.5-minute, 24000 Aerial Photo Revised 1945

## 1948 Source Sheets



Superior 1948 7.5-minute, 24000 Aerial Photo Revised 1945

#### 1902 Source Sheets



Florence 1902 30-minute, 125000

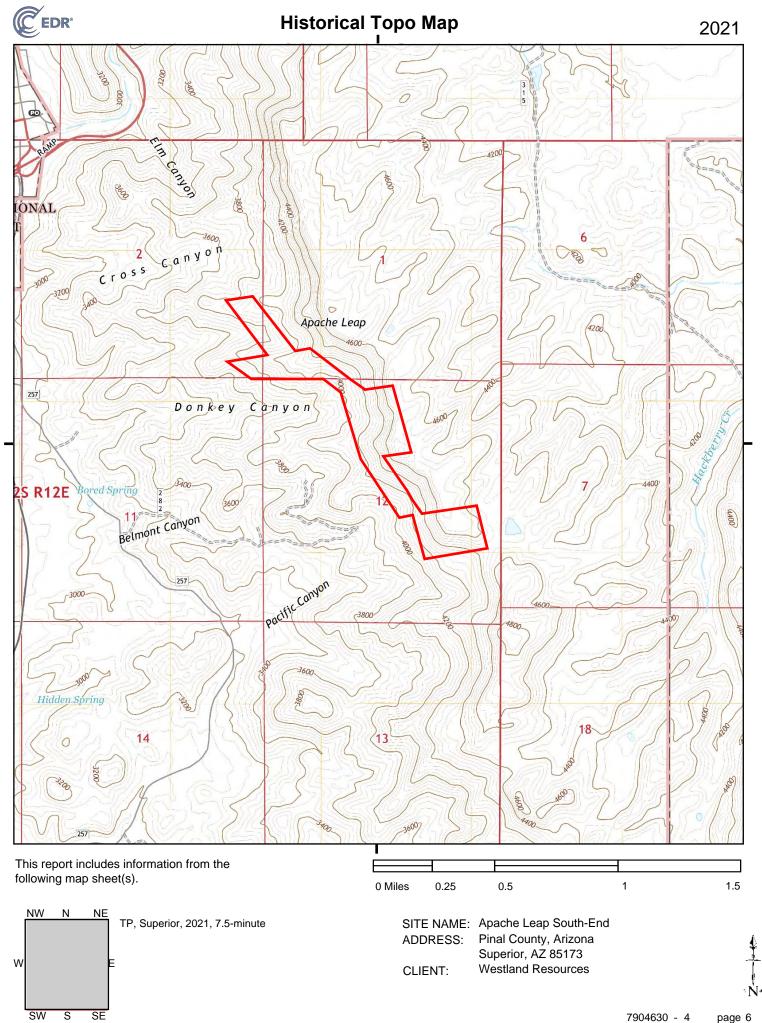
## Topo Sheet Key

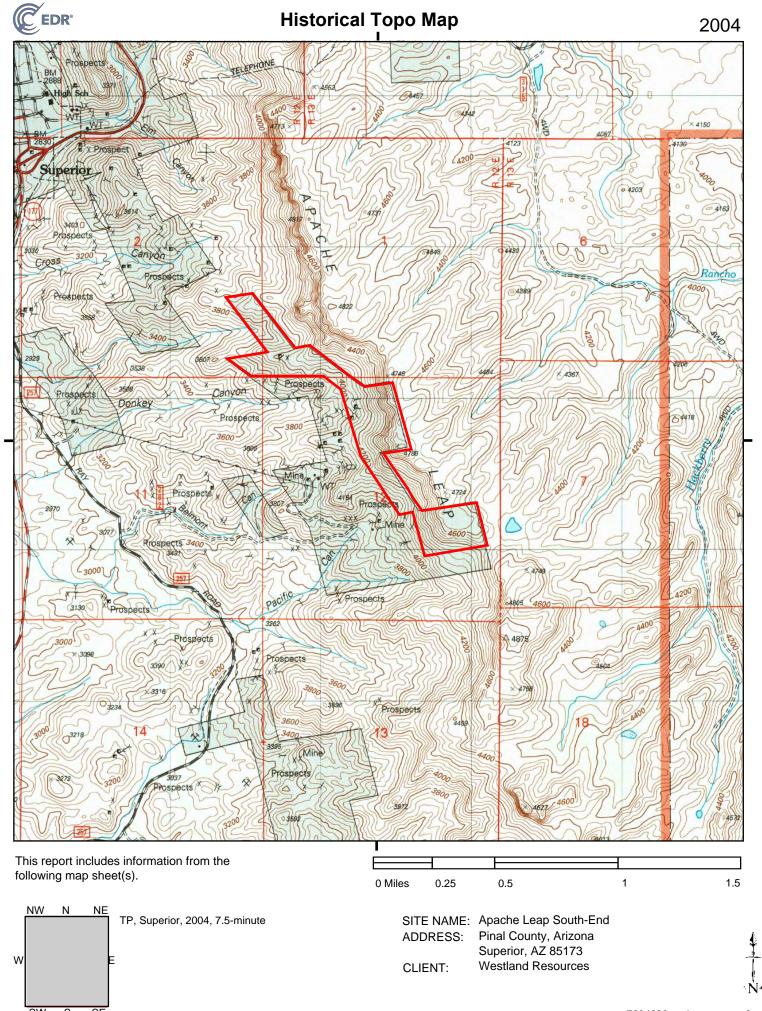
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

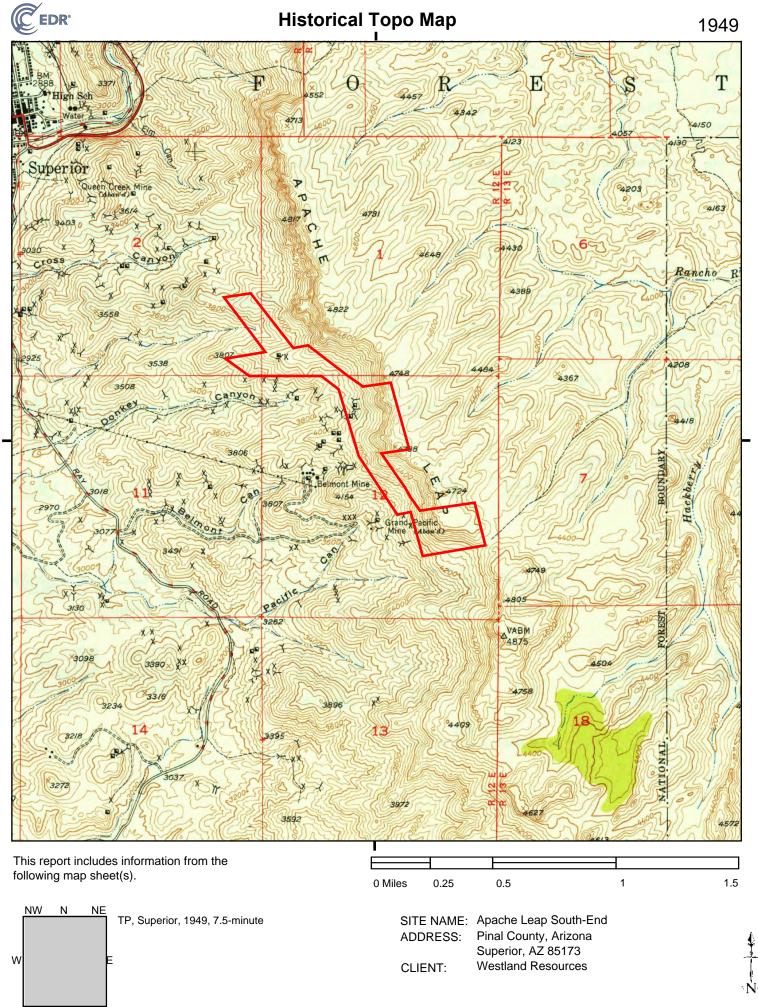
## 1900 Source Sheets

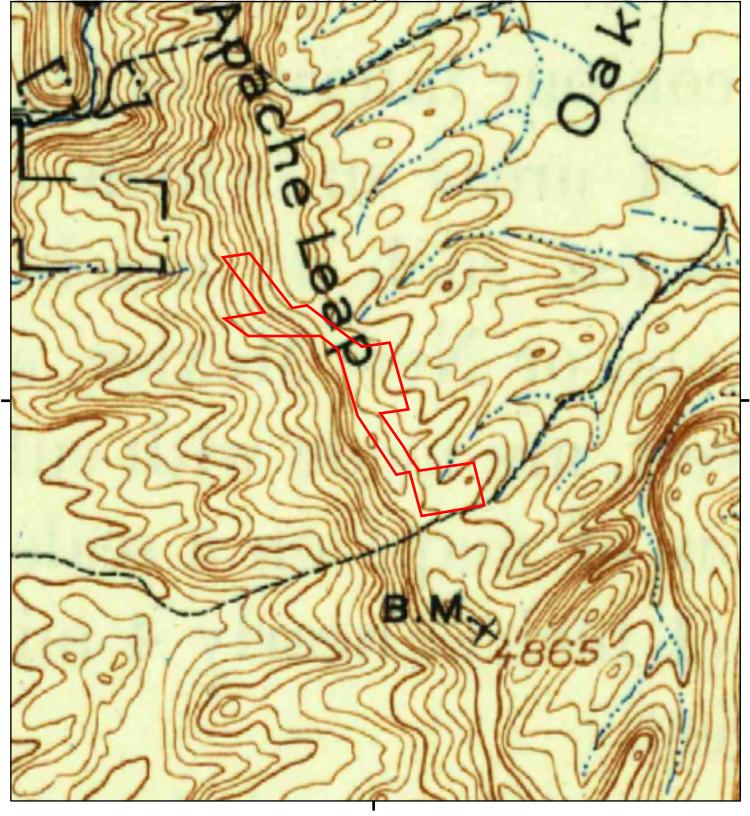


Florence 1900 30-minute, 125000





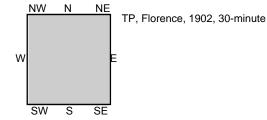




0 Miles

0.25

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



SITE NAME: Apache Leap South-End

ADDRESS: Pinal County, Arizona

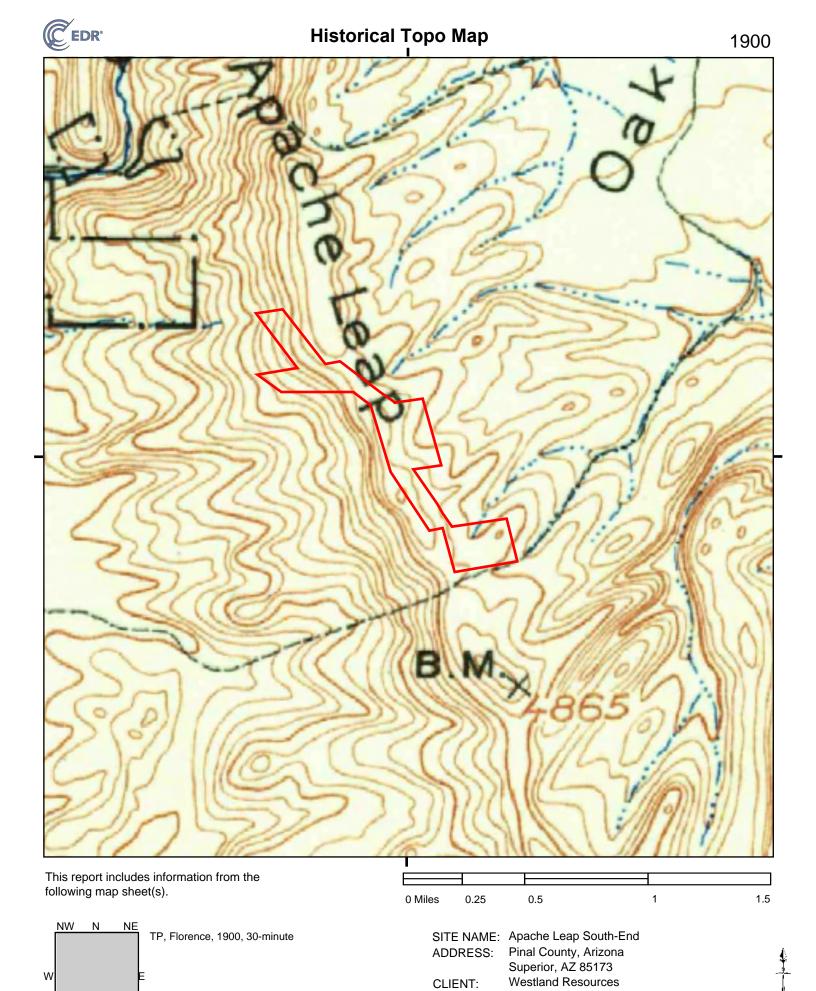
0.5

Superior, AZ 85173

Westland Resources CLIENT:



1.5



## APPENDIX F Historical Aerial Photographs

## **Apache Leap South-End**

Pinal County, Arizona Superior, AZ 85173

Inquiry Number: 7904630.11

February 21, 2025

# The EDR Aerial Photo Decade Package



## **EDR Aerial Photo Decade Package**

02/21/25

Site Name: Client Name:

Apache Leap South-End Pinal County, Arizona Superior, AZ 85173

EDR Inquiry # 7904630.11

4001 E. Paradise Falls Drive

Westland Resources

Tucson, AZ 85712

Contact: Samantha Blonder 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
		<del></del>	
2019	1"=875'	Flight Year: 2019	USDA/NAIP
2015	1"=875'	Flight Year: 2015	USDA/NAIP
2010	1"=875'	Flight Year: 2010	USDA/NAIP
2007	1"=875'	Flight Year: 2007	USDA/NAIP
2003	1"=875'	Acquisition Date: January 01, 2003	USGS/DOQQ
1992	1"=875'	Acquisition Date: January 01, 1992	USGS/DOQQ
1980	1"=875'	Flight Date: June 12, 1980	USDA
1971	1"=875'	Flight Date: January 31, 1971	USGS
1961	1"=875'	Flight Date: May 19, 1961	USDA
1953	1"=875'	Flight Date: April 09, 1953	USGS
1945	1"=875'	Flight Date: November 08, 1945	USGS
1943	1"=875'	Flight Date: November 04, 1943	USGS

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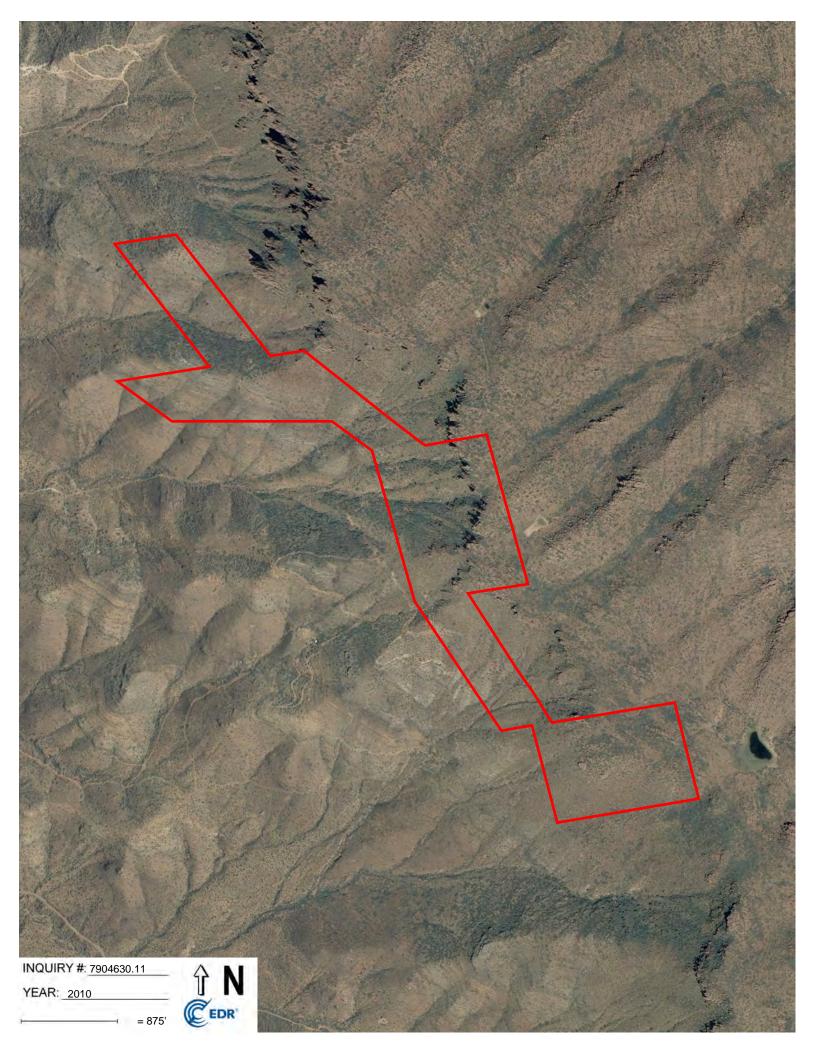
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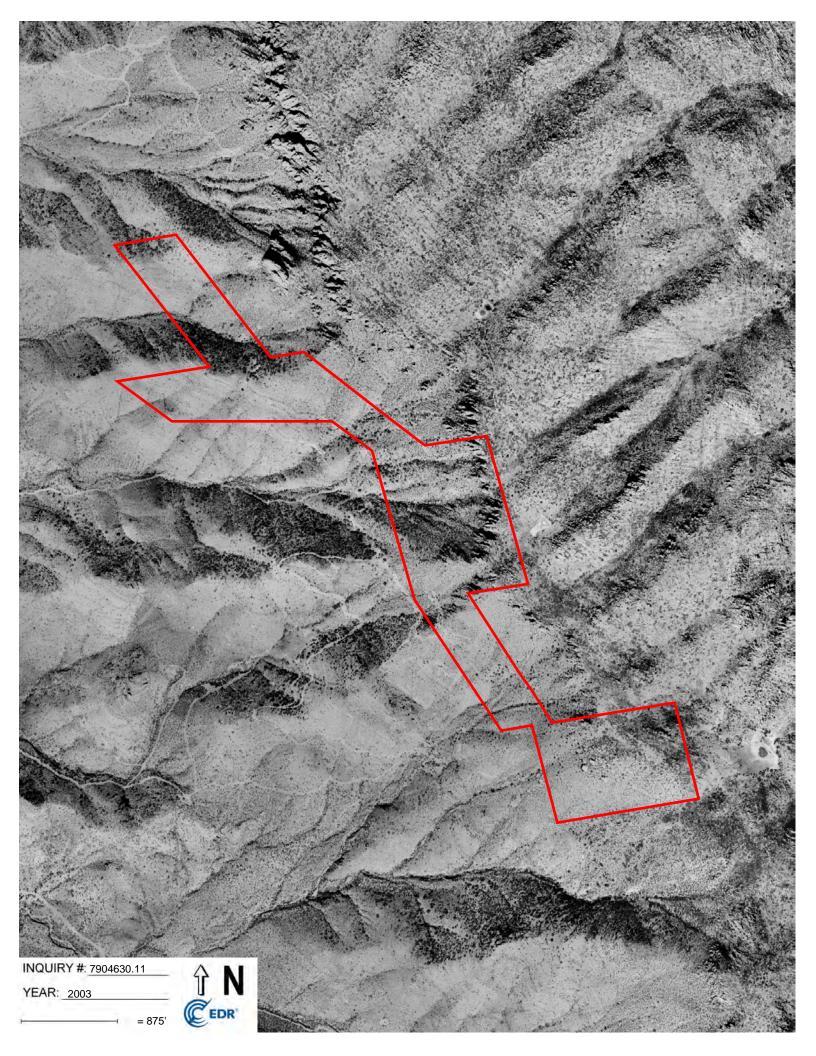
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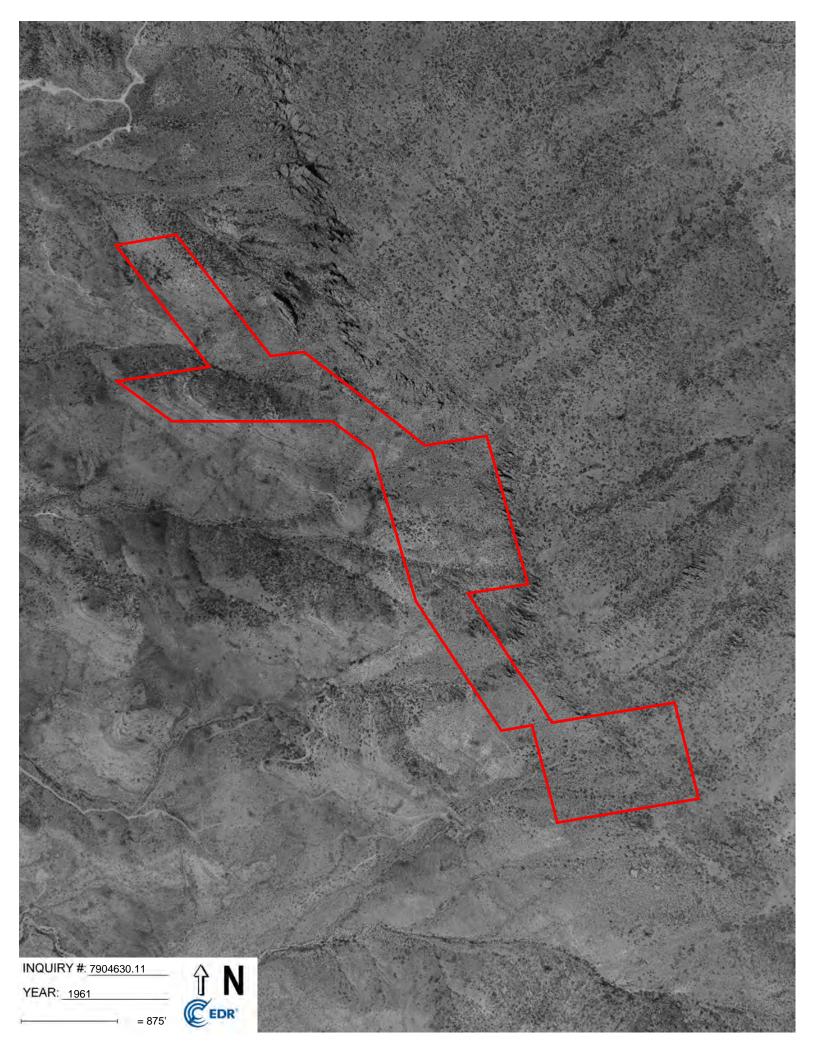


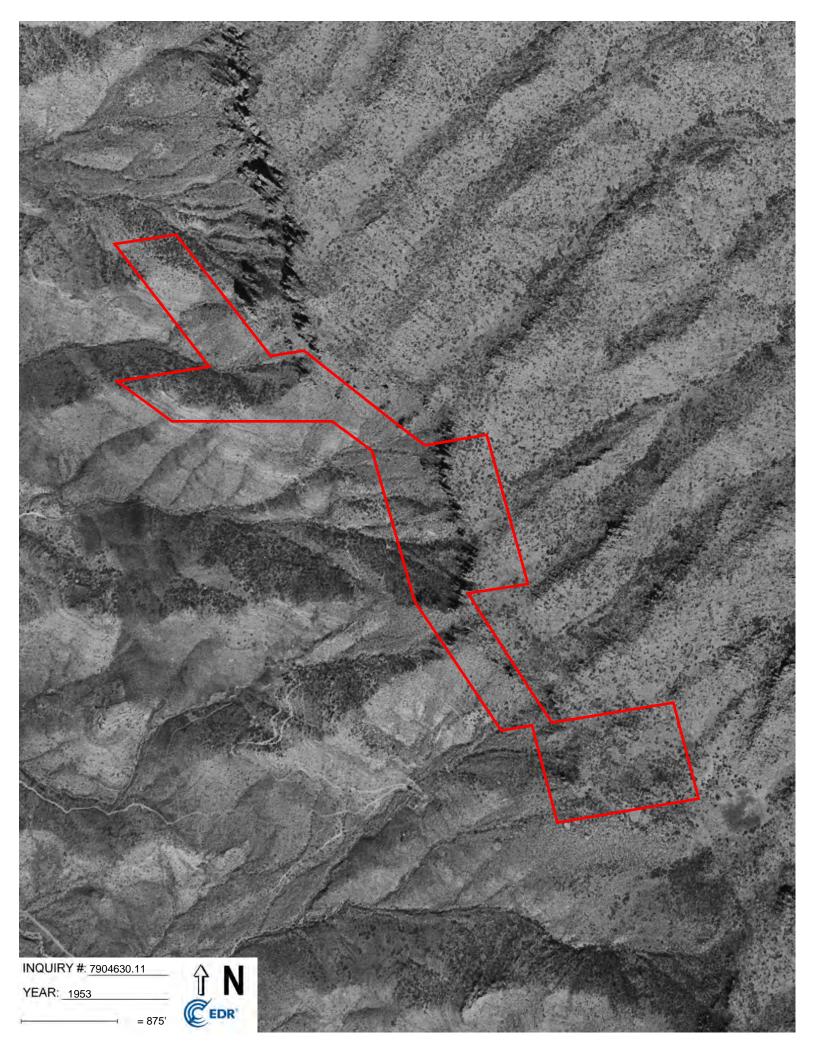


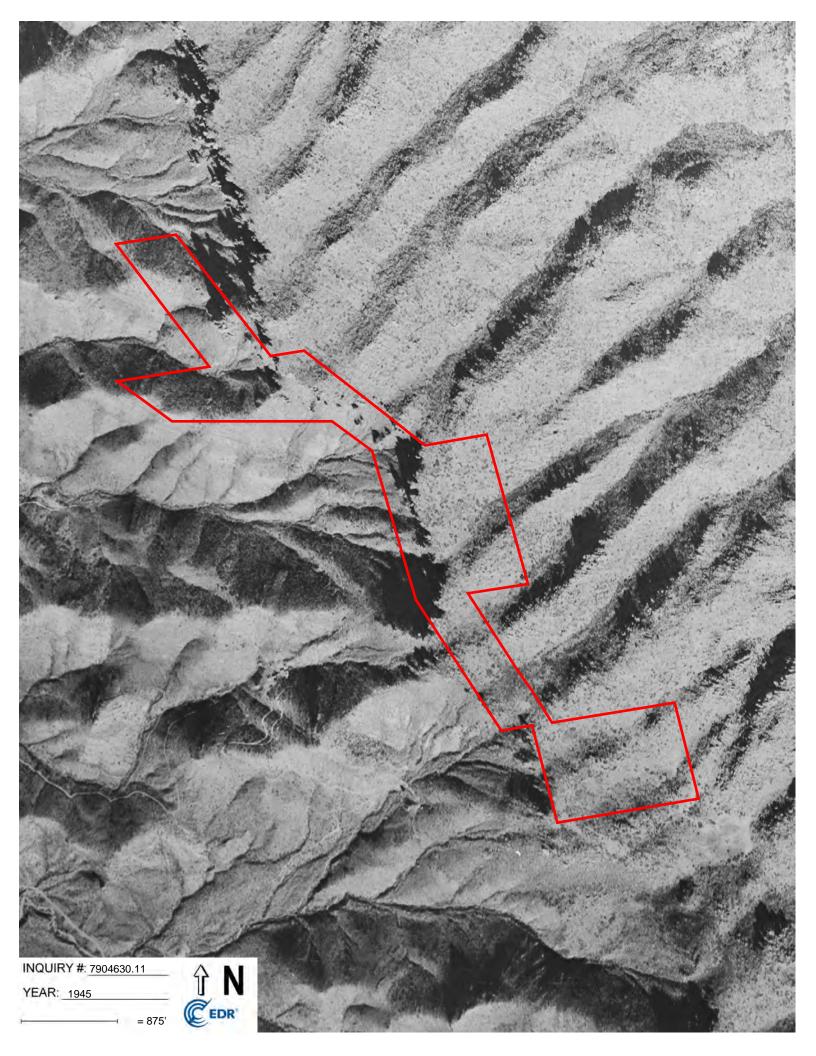


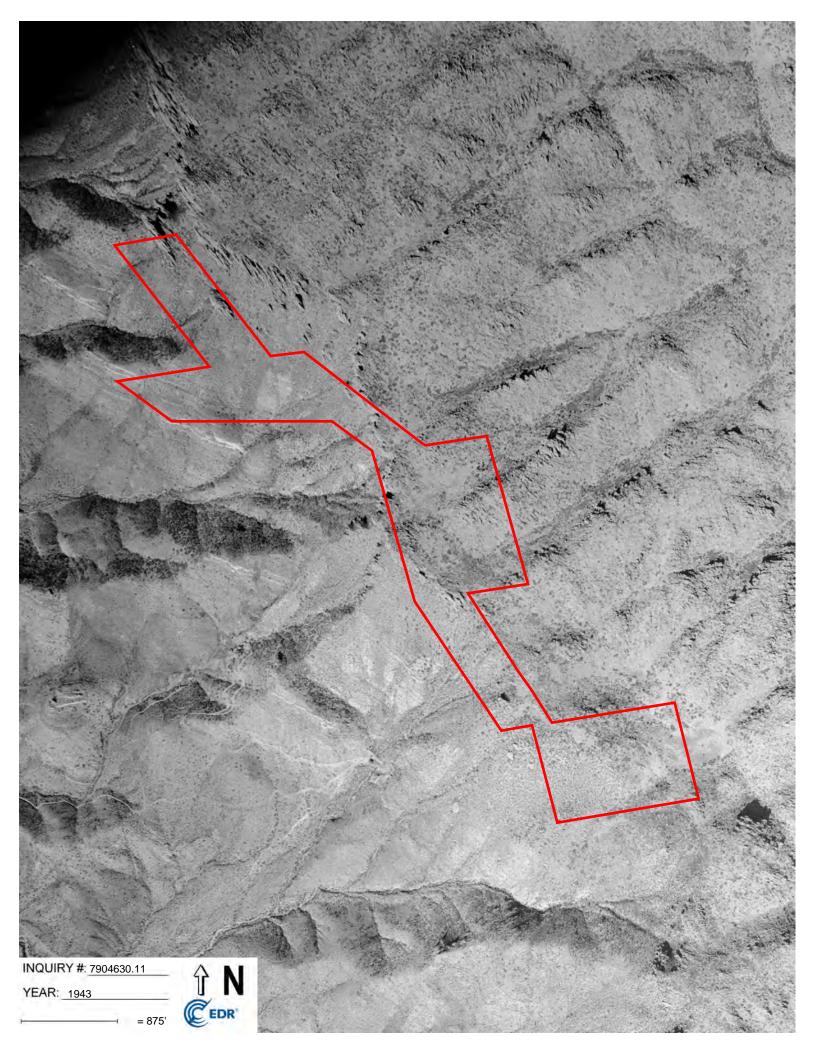




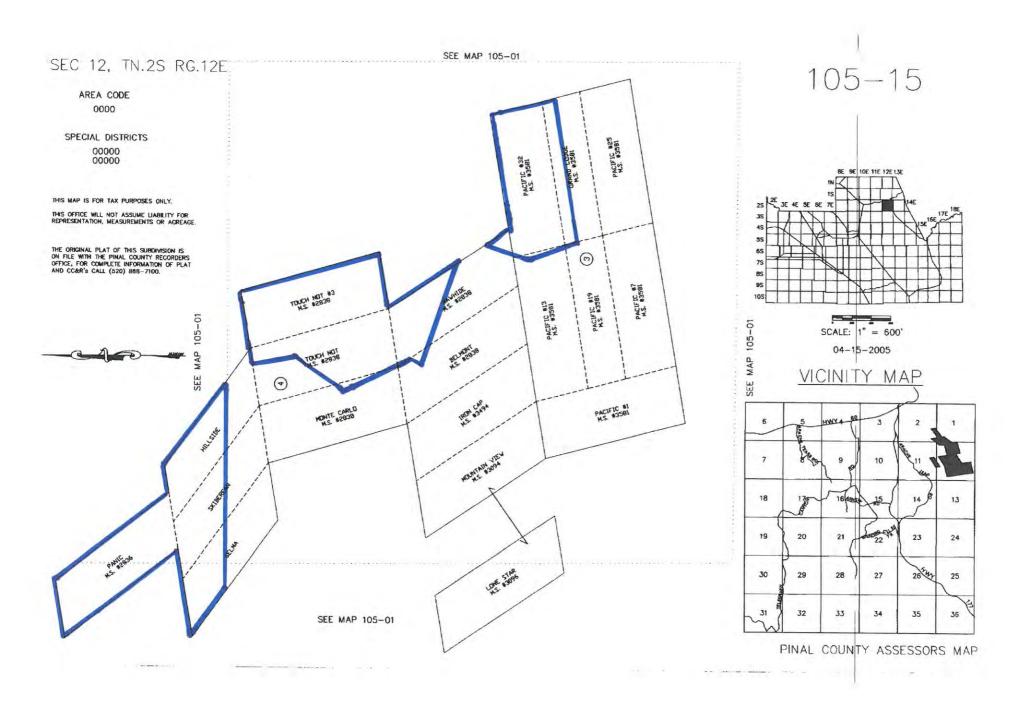








APPENDIX G
Pinal County Assessor Property Tax Map



# APPENDIX H Pinal County Assessor Property Detail Records

D	Search Results (1 Entries)
D	Parcel Details (105-15-0040)



Previous year valuations are subject to change as prescribed in the Arizona Revised Statutes. All changes in value not be reflected in this data. For updated/correct figures, please refer to the Treasurer's Office website.

<b>Somparable Properties</b>	Supply to This Parcel	Print View

Parcel Number 105-15-0040 shows the following information for Tax Year:  $2021 \lor Tax Year Chart$ 

Parcel Number: 105-15-0040 (View Tax Info)				info)	Primary Owner: RESOLUTION COPPER MINING		
Section	1:	Township:	Range:		Name 2:	C/O RTSS TAX SERVICES	
Map: Assessor Parcel Viewer					In C/O:		
Proper	Property Description: (What is this?)			Tax Bill Mailing Address			
	PAT MNG PROP SELMA #2837 TOUCH NOT #2838 TOUCH NOT 3 #2838 RAWHIDE #2838 BELMONT				Address:	4700 DAYBREAK PKWY 3RD FLOOR	
#2838	IRON C	AP #3094 M	OUNTAIN VIEW	#3094	City:	SOUTH JORDAN	
#2837	MONTE	CARLO #28	ER DIST) SKIBER 38 PANIC MINE 7		State:	UT	
HILLSI	DE #283	38 220.00 A	<u> </u>		Zip Code:	84095	

Date of Recording:	Not Given			Property	Address (L	ocation):	
Sale Amount:	Not Given						
Document(s):				Subdivision:			
2005-009840				Unit:	Block:	Lot:	Phase:
		Yes	No	Cabinet:		Slide:	
Widow			Χ				
Widower			X				
Disabled			Х				
Senior Freeze			Χ				

Imp:	0.00	Item:		
Const	year:	0	Grnd Flr Perim:	0
Storie	s:		Total Sq. Ft.:	0

Parcel Size:	220.00					
Size Indicator:	Acres					
Tax Area Code: 1500 (Rates current as of 2019)						
Use Code:	0004					
Land Legal Class:	Land Legal Class: 02RL - Vacant Land / Non-Profit Imp					
Impr. Legal Class:						
Full Cash Value (FCV):	\$449,423.00	<b>SOMPARABLE PROPERTIES</b>				
Limited Value (LPV):	\$287,903.00					
Limited Value (LPV):  Real Property Ratio:	\$287,903.00					
	\$287,903.00 \$67,413.00					
Real Property Ratio:						

<b>Attached Personal Property:</b>	No Personal Property Listed
------------------------------------	-----------------------------

	[Close]	
Primary Use: Category: Sub-Category:	Vacant Land Undetermined Use Rural, Non-Subdivided	

<sup>\*</sup>The data presented on this website is deemed reliable but not guaranteed. This information should be used for informational use only and does not constitute a legal document for the description of these properties. The Pinal County Assessor's Office disclaims any responsibility or liability for any direct or indirect damages resulting from the use of this data.

## Parcel Search\* Search Results (1 Entries) Parcel Details (105-15-0030) Parcel Number 105-15-0030 shows the following information for Tax Year: $2021 \lor 12021 \lor 12021$ **Parcel Number:** 105-15-0030 (View Tax Info) Section: Township: Range: Map: **Assessor Parcel Viewer Property Description:** (What is this?) PAT MNG PROP PIONEER MNG DIST PACIFIC #1 #7 #13 #19 #25 #32 GRAND LODE 123.45 AC

open 4
open 4

Previous year valuations are subject to change as prescribed in the Arizona Revised Statutes. All changes in value may not be reflected in this data. For updated/correct figures, please refer to the Treasurer's Office website.

<b>Somparable Properties</b>	Supply Link to This Parcel	Print View

Primary Owner:	RESOLUTION COPPER MINING LLC	
Name 2:	C/O RTSS TAX SERVICES	
In C/O:		
Tax Bill Mailing	Address	
Address: 4700 DAYBREAK PKWY 3 FLOOR		
City:	SOUTH JORDAN	
State:	UT	

84095

Date of Recording: Not Given			Property Address (Location):				
Sale Amount:	Not Given						
Document(s):			Subdivision:				
2006-145165 2005-009840			Unit:		Block:	Lot:	Phase:
2003 003010			Cabin	et:		Slide:	
	Yes	No	L			L	

Zip Code:

Widow	X
Widower	X
Disabled	X
Senior Freeze	X

Imp:	0.00	Item:		
Const	year:	0	Grnd Flr Perim:	0
Storie	s:		Total Sq. Ft.:	0

Parcel Size:	123.4	5		
Size Indicator:	Acres			
Tax Area Code:	<u>1500</u>	(Rates current as of 2019)		
Use Code:	0004			
Land Legal Class:	02RL	- Vacant Land / Non-Profit Imp		
Impr. Legal Class:				
Full Cash Value (FCV):	\$252,	188.00	<b>SOMPARABLE PROPERTIES</b>	
Limited Value (LPV):	\$163,	283.00		
Real Property Ratio:				
Assessed FCV:	\$37,8	28.00		
Assessed LPV:	\$24,4	93.00		
Attached Personal Prope	erty:	No Personal Property Listed		

APPENDIX I Property Tax Map Report

## **Apache Leap South-End**

Pinal County, Arizona Superior, AZ 85173

Inquiry Number: 7904630.6

February 20, 2025

## The EDR Property Tax Map Report



## **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.

#### **Disclaimer - Copyright and Trademark Notice**

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APPENDIX J Building Permit Report **Apache Leap South-End** 

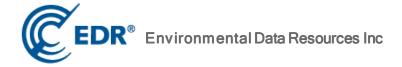
Pinal County, Arizona Superior, AZ 85173

Inquiry Number: 7904630.8

February 20, 2025

## **EDR Building Permit Report**

**Target Property and Adjoining Properties** 



## **EDR Building Permit Report: Search Documentation**

2/20/25

Site Name: Client Name:

Apache Leap South- Westland Resources

Pinal County, 4001 E. Paradise Falls Drive

Superior, AZ 85173 Tucson, AZ 85712

EDR Inquiry # 7904630.8 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 (Superior, 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.





APPENDIX K
City Directory Report

## **Apache Leap South-End**

Pinal County, Arizona Superior, AZ 85173

Inquiry Number: 7904630.5

February 21, 2025

## **The EDR-City Directory Image Report**



#### **TABLE OF CONTENTS**

### **SECTION**

**Executive Summary** 

**Findings** 

**City Directory Images** 

Thank you for your business.

Please contact EDR at 1-800-352-0050 with any questions or comments.

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### **EXECUTIVE SUMMARY**

### **DESCRIPTION**

Environmental Data Resources, Inc.'s (EDR) City Directory 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>	Target Street	Cross Street	<u>Source</u>
2020			Cole Information
2017			Cole Information
2014			Cole Information
2010			Cole Information
2005			Cole Information
2000			Cole Information
1995			Cole Information

## **FINDINGS**

### TARGET PROPERTY STREET

Pinal County, Arizona Superior, AZ 85173

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
APACHE L	EAP RD		
2020	-	Cole Information	Street not listed in Source
2017	-	Cole Information	Street not listed in Source
2014	-	Cole Information	Street not listed in Source
2010	-	Cole Information	Street not listed in Source
2005	-	Cole Information	Street not listed in Source
2000	-	Cole Information	Street not listed in Source
1995	-	Cole Information	Street not listed in Source

7904630-5 Page 2

## **FINDINGS**

## **CROSS STREETS**

No Cross Streets Identified

7904630-5 Page 3

APPENDIX L Sanborn Report Apache Leap South-End Pinal County, Arizona Superior, AZ 85173

Inquiry Number: 7904630.3

February 20, 2025

## **Certified Sanborn® Map Report**



## **Certified Sanborn® Map Report**

02/20/25

Site Name: Client Name:

Apache Leap South-End Westland Resources
Pinal County, Arizona 4001 E. Paradise Falls Drive

Superior, AZ 85173 Tucson, AZ 85712

EDR Inquiry # 7904630.3 Contact: Samantha Blonder Blonder



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 # 63B8-4B09-958D

PO# bill to us

Project 13095 Apache Leap SE 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 #: 63B8-4B09-958D

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

✓ Library of Congress

University Publications of America

EDR Private Collection

The Sanborn Library LLC Since 1866™

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page 2

## APPENDIX M Mineral Survey Plats and Arizona Bureau of Mines Bulletin 151 Maps

Claims to cated Apache Leap Amd June 1,1909
Panic. Jan 14, 1908
Mineral Survey Nº 2836

Arizona

Land District.

OF THE CLAIM OF

Consolidated Holding & Trust Co.
KNOWN AS THE

Apache Leap & Panic.

Pioneer MINING DISTRICT. Pinal COUNTY: A. Containing an Area of 35.484 Scale of 200 Feet to the inch. Variation 14°30'E. Acres. SURVEYED August 8, 1910

John F. Hesse. U.S. Mineral Surveyor.

The Original Keld Notes of the Survey of the Mining Claim of Consolidated Folding & Trust Co. known as the

Apache Leap & Panic.

from which this plat has been made under my direction , have been examined and approved, and are on file in this Office; and I hereby certify that they furnish such an accurate description of said Mining Claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and ficthe locus, thereof.

I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon said Mining Claims by claimant or its grantors, and that said improvements consist of 6 cuts, 2 tunnels, 2 shafts & 3 raises, value 3420 . An undivided 1/2 interest, value 600 . in tunnel Nº 4 on the Panic lode is credited to each of the claims in this survey.

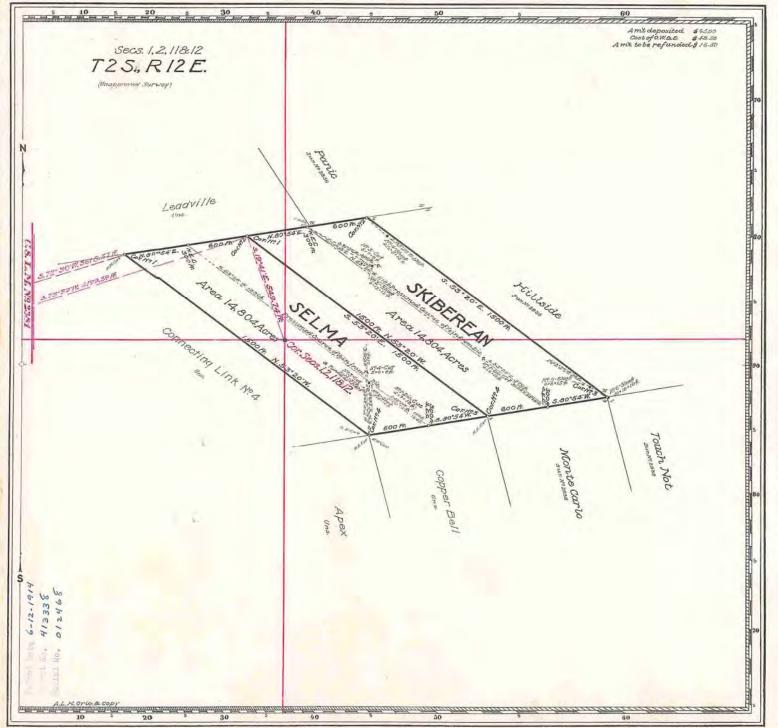
that the location of said improvements is correctly shown; upon this plat, and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

And I further certify that this is a correct plat of said Mining Claim made in conformity with said original field notes of the survey thereof, and the same is hereby approved .

W.S. Surveyor General's Office . Grand Omy all Phoenix, Ariz. V.S.Surveyor General for

October 13,1910. ,190

ARIZONA.



Claims Located Amid June 1, 1909.

Mineral Survey Nº 2837

L.O.T. NO

Arizona

Land District.

OF THE CLAIM OF

Consolidated Holding& Trust Co.

KNOWN AS THE

## SKIBEREAN and SELMA.

IN Pioneer

MINING DISTRICT,

Pinal COUNTY, Arizona

Containing an Area of 29.608

Scale of 300 Neet to the inch. Variation 14:30 E.

SURVEYED

August9, 1910. 190

John F. Hesse

U.S. Mineral Surveyor,

Acres.

The Original Field Notes of the Survey of the Mining Claim of Consolidated Holding & Trust Co.

## SKIBEREAN and SELMA.

from which this plat has been made under my direction & have been examined and approved, and are on file in this Office; and I hereby certify that they furnish such an accurate description of said Mining Claim as will, if incorporated into a patent, serve fully to identify the premises, and that such references is made, therein to natural objects or permanent monuments as will perpetuate and ficthelocus thereof.

F further certify that Five Hundred Dollars worth, of labor has been expended or improvements made upon said Mining Claimsby claimant or its grantors, and that said improvements consist of 5Cuts. 4Shaffs, I tunnel and % of Shaff N96 on the Skiberean lode. total value \$1345.

that the location of said improvements is correctly shown upon this plat, and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

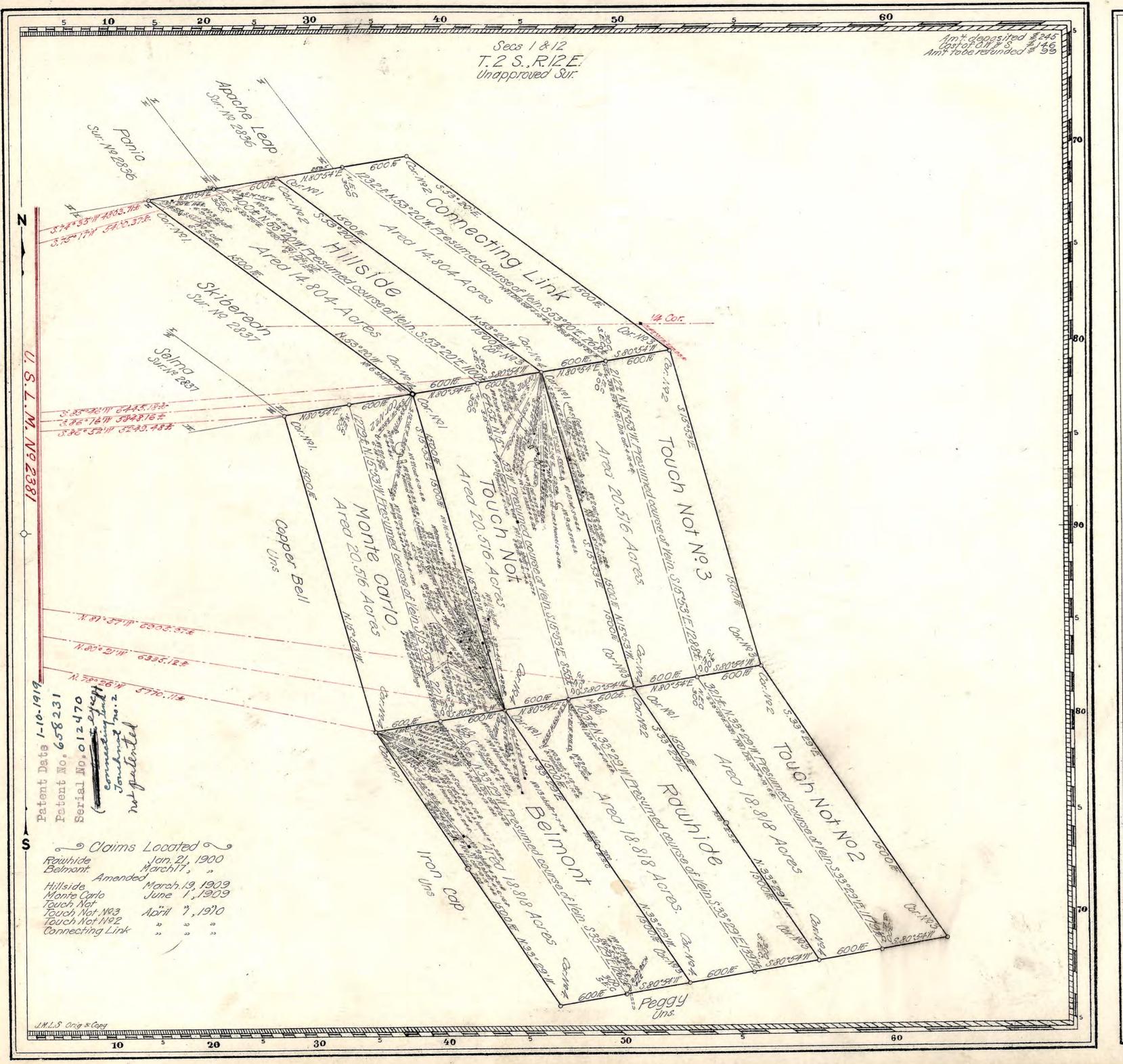
And I further certify that this is a correct plat of said Mining Claim made in conformity with said original field notes of the survey thereof, and the same is hereby approved.

V.S. Surveyor General's Office. Spank I & zelle

Phoenix, Arizona,

V.S. Surveyor General for

October 11 1910. ARIZONA.



24	2
Claims Located (See Toble) 190	0
Mineral Survey Nº 2838	
Lot No	
Arizono Land District.	
PLAT OF THE CLAIM OF	-
Consolidated Holding & Trust Co	-
KNOWN AS THE	2
Hillside, Monte Carlo, Touch Not, Touch Not No.  Touch Not Nº2, Connecting Link, Pawhide  and Belmont	3
IN Pioneer MINING DISTRICT,	
Findl COUNTY, Arizond	
Containing an Area of 147.610 Acres.  Scale of 400 Feet to the inch.	
Variation 14° 30'E	
SURVEYED August 10-13 1910 BY	
U.S. Mineral Surveyor,	
The Original Nield Notes of the Survey of the Mining Claim of	
Consolidated Holding & Trust Co.	
known as the Hillside, Monte Carlo, Touch Not, Touch Not No.	3
Jouch Not Nº2, Connecting Link, Rowhide	
and Belmont.	
from which this plat has been made under my direction,	
have been examined and approved, and are on file in this Office; and I hereby certify that they furnish such an accurate descrip-	
tion of said Mining Claim as will, if incorporated into a patent,	
serve fully to identify the premises, and that such references	
is made therein to natural objects or permanent monuments	
As will perpetuate and fixthelocus thereof.  If further certify that Five Hundred Dollars worth of labor has	
been expended or improvements made upon said Mining	-
Claims by claimant or its grantors, and that	
said improvements consist of 40 cuts, 19 shafts, 17 tunnels, 7 drifts, 4 winze 2 raises, 3 crosscuts & 3/4 of the value of Nº6 shafton the Skiberean lode, Sur 1. 2837, value 21,855, 1/2 of the value of Nº12 cut and tunnel on the Belm lode, being reserved for the Peggy lode, unsurveyed. (For credits fr	ino
the common improvements see field notes.  that the location of said improvements is correctly shown.	
upon this plat, and that no portion of said labor or im	-
provements has been included in the estimate of expendi- tures upon any other claim.	
And I further certify that this is a correct plat of said Mining	
Claim made in conformity with said original field notes of the survey thereof, and the same is hereby approved.	)
W.S. Surveyor General's Office . Mant Dingall	2
Phoenix, Arizona V.S. Surveyor General for	2
Phoenix, Arizona V.S. Surveyor General for  October 24 1910 Arizona	

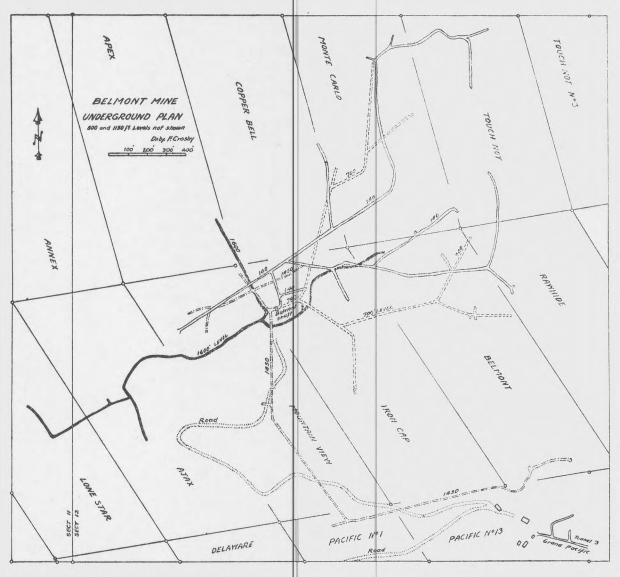
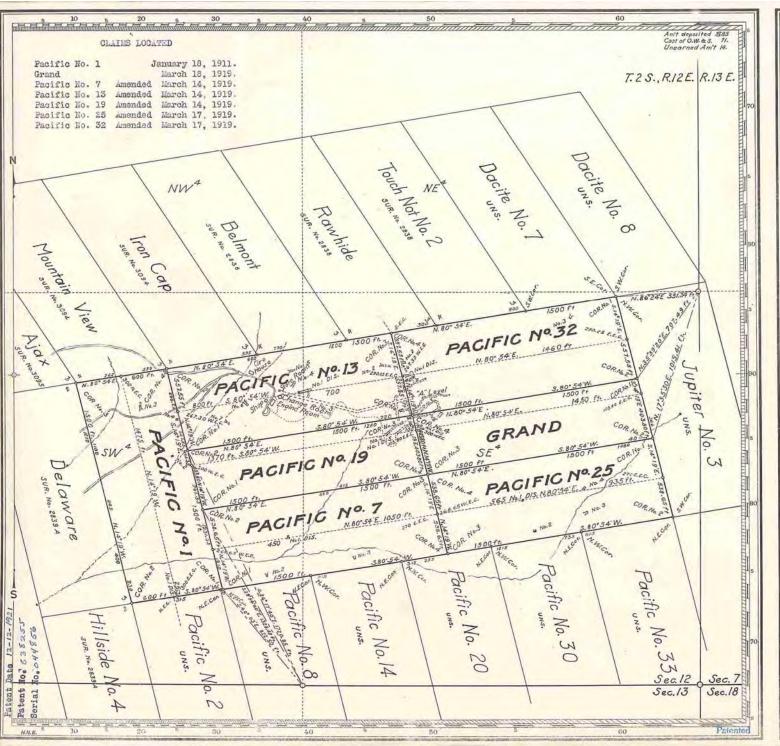


Plate XXXIV.—Composite level map, Belmont mine.



See Table Claim Located Mineral Survey No. 3581 LOT No. Land District. Arizona OF THE CLAIM OF Grand Pacific Copper Company KNOWN AS THE PACIFIC NO. 1. PACIFIC NO. 7. PACIFIC NO. 13. PACIFIC NO. 19. PACIFIC NO. 25, PACIFIC NO. 32 and GRAND Lodes MINING DISTRICT, Pioneer. Pinal COUNTY, Arizona Containing an Area of-Acres. Scale of 400 Feet to the inch. Variation 14° 00'E. May 1-16, 1919. SURVEYED BY Edward L. Haff U.S. Dopuly Mineral Surveyor, The Original Field Notes of the Survey of the Mining Claim of Grand Pacific Copper Company known as the PACIFIC NO. 1, PACIFIC NO. 7, PACIFIC NO. 13, PACIFIC NO. 19, PACIFIC NO. 25, PACIFIC NO. 52, and GRAID Lodes from which this plat has been made under my direction, have been examined and approved, and are on file in this Office; and I hereby certify that they furnish such an accurate description of said Mining Claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof. I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon said Mining Claims grantors and that by claimant or its said improvements consist of 18 cuts, 9 tunnels, 5 shafts, 7 drifts, 3 crosscuts, 1 station, 1 winze and 1 raise, total value \$70,386, of which \$45000 is reserved for claims not in this survey that the location of said improvements is correctly shown upon this plat, and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim. And I figther certify that this is a correct plat of said Mining Claim made in conformity with said original field notes of the survey thereof, and the same is hereby approved. U.S. Surveyor General's Office. U.S. Surveyor General for: Phoenix, Arizona October 27, 1919. ARIZONA

APPENDIX N
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.

	Property Use(s)  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 No Photographic Log Identification Number(s): _N/A.
	N/A
2.	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. $\square$ Yes $\square$ No Photographic Log Identification Number(s): $\_N/A$
	Relic mining features (prospects and adits) and abandoned access roads.
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.  Yes No Photographic Log Identification Number(s): N/A
	N/A
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.  Yes No Photographic 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
	Relic mining features (prospects and adits) and abandoned access roads
	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 Not 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.  [Yes 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):
	Steep canyons and cliffs.

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.
	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_
	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_
	Relic road on the southside of the Property.
	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.

	☐Yes 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
2.	Is there evidence that <b>previous operations</b> on the property involved 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, or 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.   Yes No 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 No 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 No Photographic Log Identification Number(s):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.  Yes 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

	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. Yes No N/A Photographic Log Identification Number(s):
9.	Is there evidence or any indications that an above-ground or underground storage tank had been installed on the property in the <b>past</b> ? 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. YesNoPhotographic 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. $\square$ Yes $\square$ No $\square$ 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.  \[ \sum \text{Yes} \sum \text{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 PCBs? If yes, describe and indicate the location(s) on a property or site map.  Yes No Not Applicable Photographic Log Identification Number(s):N/A

11.	Is there any evidence that, in the <b>past</b> , 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 No Photographic Log Identification Number(s):N/A
	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 No Photographic 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
	If yes, is there any evidence of any spills or releases associated with them? If yes, describe the evidence and indicate the location(s) on a property or site map.  Yes No Not Applicable Photographic Log Identification Number(s):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.  Yes 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. $\square$ Yes $\square$ 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. Yes No 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.  Yes No Photographic Log Identification Number(s):N/A
	N/A

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

4.	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.  Yes No Not Applicable Photographic Log Identification Number(s): _N/A.  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.
	If the on-site waste water treatment and 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 Photographic Log Identification Number(s):N/A
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 No Photographic 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
	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 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.  Yes No Not Applicable Photographic 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.
	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
	Red brome.
	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 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. Yes No Photographic Log Identification Number(s):N/A
	N/A.
E	Surrounding Property Use
	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 No Photographic Log Identification Number(s): _N/A
	see response E.2.
	See response 2.2.
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.  Yes No Photographic Log Identification Number(s):N/A

	Abandoned mine features (prospects, adits, shafts, and access roads).
3.	As can be observed from the periphery of the property, is there evidence that <b>current operations</b> 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.
4.	As can be observed from the periphery of the property, is there evidence that <b>past operations</b> 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, photographi developing laboratory, analytical laboratory, junkyard, bone yard, or landfill, or as a waste treatment, storage, disposal, processis 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.
5.	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.

6. 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 No Photographic Log Identification Number(s):N/A
	N/A.
7.	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?
	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.
0	
8.	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 No Photographic Log Identification Number(s):N/A
	N/A.
_	
9.	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 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?
	yes, describe the operations and improvements and identify the location(s) on a property or site map.
	$\  \  \  \  \  \  \  \  \  \  \  \  \  $
	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

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
10	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.  Yes No Photographic Log Identification Number(s): N/A
	mine adits
11.	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.
12.	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
	Steep cliffs.
13.	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 No Photographic Log Identification Number(s): _N/A
	N/A.

14.	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.
	Yes No Photographic Log Identification Number(s): _N/A
	N/A.
15.	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, <i>Phragmites</i> , or 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:N/A
	Red brome.
	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). Yes 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
16.	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.
	N/A.

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

Name: Christopher Rife

Signature: Christopher Rife

*Date of visit*: 3/25/2025

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



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.



#### 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 quarterly 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



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.



### **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

#### 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



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.

