PHASE I ENVIRONMENTAL SITE ASSESSMENT APACHE LEAP SOUTH END, GILA COUNTY, ARIZONA Resolution Copper



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Project Number: 807.211

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EXECUTIVE SUMMARY

WestLand Resources, Inc. (WestLand), was contracted by Resolution Copper Mining, LLC (Resolution; the "User") to perform a Phase I Environmental Site Assessment (ESA) for approximately 140 acres referred to as Apache Leap South End ("the Property"). The Property is presently under non-federal ownership (Resolution) but proposed as part of a land exchange with the USFS under the Southeast Arizona Land Exchange and Conservation Act of 2013. The Property is located within Sections 1, 2, and 12 of Township 2 South, Range 12 East, in Pinal County, Arizona (**Figure 1**). The Pinal County Assessor Parcel Numbers (APNs) for the Property are 105-15-003 and 105-15-004.

An aerial photo showing the boundary of the Property is included as **Figure 2**. Photographs depicting the site and vicinity are provided in **Appendix A**. Surface management (land ownership) is shown in **Figure 3**. **Figure 4** is a map showing the location of the ground photographs provided in **Appendix A**.

This Phase I ESA has been completed in accordance with the guidelines provided in the American Society for Testing and Materials (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Property* (ASTM E 2247-16). The purpose of this work was to identify the presence or potential presence of recognized environmental conditions (RECs) resulting from past or present activities. According to ASTM guidelines, a REC is defined as "…the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or the property or into the ground, groundwater, or surface water of the property."

Findings

Environmental Liens/Activity and Use Limitations

On June 17, 2020, WestLand engaged Environmental Record Search (ERS), to conduct a search of available land title records for environmental liens and AULs on the Property. A search for environmental liens and activity and use limitations (AULs) was completed (Pinal County APNs 105-15-003 and 105-15-004); 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.

Records Review

Environmental Records—WestLand also contracted with ERS to conduct an electronic search of regulatory agency databases for references to the Property and surrounding lands. The database search

was conducted on June 17, 2020 and included standard and additional federal, tribal, state, local, and supplemental database records, as well as ERS 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 (Daggs Group) and at least two additional mines appear to be located on adjoining Property to the west (Grand Pacific Mine and Belmont Mine). Several occurrence records were identified on multiple databases for land located within the ASTM-recommended minimum search distances from the Property boundaries. Some records are named in multiple databases and many of these records occur at the same location. WestLand combined records that were reported with the same address in a detailed records evaluation. The Daggs Group mine is likely part of the Belmont Mine, and all of the mine records appear to have multiple alias. WestLand considers it unlikely that any one 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 mining claims registered at the Property; however, the Property is considered vacant with no assessed buildings or other improvements.

Prior Environmental Report—WestLand conducted a Phase I ESA in August 2015 that revealed no evidence of a potential REC in connection with the Property (WestLand 2015).

Physical Setting

The Apache Leap South End 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, an area of parallel ridges and valleys trends to the northeast.

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 2014).

As described in the General Plan of Operations (GPO; Resolution 2016), groundwater in the vicinity occurs in three separate local systems: a shallow groundwater system, the Apache Leap Tuff aquifer,

and a deep groundwater system. Extensive characterization of the geology and hydrogeology in the vicinity (Montgomery & Associates 2010) indicates that the Concentrator fault, located to the west, acts as a barrier to groundwater movement between the shallow and intermediate-depth groundwater systems. There appears to be no surface water features within the Property, with the exception of minor ephemeral headwater drainage features which convey drainage 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 Superior, other smaller mining operations were historically located to the southeast of the town along the southern extent of Apache Leap. The major underground mines in this area surrounding the Property were principally 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.

Site Reconnaissance

On July 2, 2020, WestLand engineer, Patrick Mette and environmental specialist, Samantha Blonder performed a site reconnaissance to 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 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 underwent extensive efforts to improve safety conditions on the site by adding steel grating to shafts and other features in 2005 to prevent entrance and falls. 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

Interviews were conducted with several individuals as part of this assessment:

- The report User and Property owner: Sterling Hundley, representative for Resolution;
- Representatives from the Queen Valley Fire District (QVFD) were contacted to determine 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. The QVFD has no knowledge of hazardous substances or petroleum product spills or storage at the Property or on land in the immediate vicinity.

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

Recognized Environmental Conditions

WestLand has performed this Phase I ESA in conformance with the scope and limitation of ASTM E 2247-16 for the Property. This assessment has revealed no evidence of RECs in connection with the Property.

I. INTRODUCTION

WestLand Resources, Inc. (WestLand), was contracted by Resolution Copper Mining, LLC (Resolution; the "User") to perform a Phase I Environmental Site Assessment (ESA) for approximately 140 acres referred to as Apache Leap South End ("the Property"). The Property is presently under non-federal ownership (Resolution) but proposed as part of a land exchange with the USFS under the Southeast Arizona Land Exchange and Conservation Act of 2013. The Property is located within Sections 1, 2, and 12 of Township 2 South Range 12 East, in Pinal County, Arizona (**Figure 1**). 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.

I.I. PURPOSE

The purpose of this investigation was to conduct an assessment of 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 American Society for Testing and Materials (ASTM) E 2247-16 guidelines, a REC is defined as: ...*the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products on the property. This term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include <i>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 Brownfield's 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 bonafide prospective purchaser limitations of CERCLA. In order to qualify for one of the Landowner Liability Protections, the report User must provide certain information to the environmental professional conducting the Phase I ESA. This information can be provided by completing the User Questionnaire. Failure to provide this information could result in a determination that the All Appropriate Inquiry is not complete. Additionally, the Property owner has continuing obligations, if applicable, to receive liability protections in addition to the All Appropriate Inquiry. The continuing obligations include: 1) compliance with land use restrictions; 2) not impeding the effectiveness or integrity of institutional controls; 3) taking reasonable steps to prevent releases; 4) providing assistance and access to the U.S. Environmental Protection Agency (EPA), state, or other

parties conducting response or restoration actions; 5) complying with CERCLA information requests and subpoenas; and 6) providing legally required notices.

I.2. SCOPE OF SERVICES

This Phase I ESA has been completed in accordance with the guidelines provided in the ASTM *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Property* (ASTM E 2247-16). 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 2247-16 Section 6 (User Responsibilities) describes tasks that will help identify the possibility of RECs in connection with the Property that do not require the expertise of an environmental professional, including checking title records for environmental liens and activity and use limitations (AULs). WestLand commissioned a title search for environmental liens and AULs on the User's behalf.

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

I.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. 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.

Field 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.

I.4. SPECIAL TERMS AND CONDITIONS

No special terms or conditions are associated with this report.

I.5. USER RELIANCE

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

I.6. CONTINUED VIABILITY

ASTM E 2247-16 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, its useful life is limited. The following components of the Phase I ESA are presumed valid only within 180 days prior to the date of acquisition or other intended transaction:

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

Other components of the Phase I ESA 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 as **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 on **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 Highway 60, and east of Highway 77 within a private landholding surrounded by Tonto National Forest lands. State Trust Lands (**Figure 3**) are located approximately 1 mile east of the Property. The Property is located in portions of Sections 1, 2, and 12 of Township 2 South Range 12 East, 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 is situated 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 Apache Leap South End property is accessible from Arizona State Route 177, Apache Leap Road, and unimproved roads or trails.

2.3. CURRENT USE OF THE PROPERTY

The Property is generally characterized as 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. 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 site.

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

Developed features at the Property are limited. Overgrown 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. Mining claims occur on Tonto National Forest land surrounding the Property.

3. USER PROVIDED INFORMATION

The report User is Resolution who provided relevant information about the Property. The report User is also the land owner. The User and land owner representative contact is Sterling Hundley. A copy of the User Questionnaire is provided as **Appendix B**.

On August 6, 2020, WestLand contacted representatives for the USFS and requested that the User Questionnaire also be completed by the USFS for the Property in support of the Southeastern Land Exchange and Conservation Act of 2013. As of the date of this report, a returned questionnaire has not yet been received. If the User Questionnaire is received from the USFS after this report is finalized, it may be incorporated into the Phase I ESA report as an addendum to assist the USFS in qualifying for landowner liability protections.

3.1. TITLE RECORDS

WestLand was provided 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 with **Appendix C**.

3.2. Environmental Liens or Activity and Use Limitations

The User is not aware of any environmental liens or AULs for the Property.

WestLand engaged ERS, 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 June 17, 2020; no records of environmental liens or AULs associated with the Property were identified (**Appendix C**). Copies for the deeds associated with the Property are included in the environmental lien and AULs report.

3.3. SPECIALIZED KNOWLEDGE

The User provided no information regarding specialized knowledge regarding the Property except that adjoining land ownership includes mining activities.

3.4. COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

The User 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 the User.

3.5. VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

The User reported that there has been no valuation reduction for the Property related to environmental issues.

3.6. REASON FOR PERFORMING A PHASE I ESA

The User states 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.

3.7. OTHER

No other information relevant to potential RECs was provided by the User.

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 ERS to conduct an electronic search of regulatory agency databases for references to the Property and surrounding lands. The database search (RecCheck Area Report Results) was conducted on June 17, 2020 and included standard and additional federal, tribal, state, local, and supplemental database records, as well as ERS 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.

The prior Phase I ESA conducted in 2015 for this Property had a property boundary that consisted of three discontiguous areas. Since that time, the Property and its boundary has been modified to form one contiguous boundary. The areas that have been added to make the property boundary contiguous are small relative to the rest of the Property and well characterized as a result of the prior and current assessment. The environmental records search for this Phase I ESA inadvertently used the 2015 property boundary rather than the current boundary.

A copy of the ERS environmental reports 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 indicates one mine located at the Property, and two additional mines located on adjoining property to the west. Several occurrence records were identified on multiple databases for land located within the ASTM-recommended minimum search distances from the Property boundaries. Some records are named in multiple databases and many of these records occur at the same location. WestLand combined records that were reported with the same address in a detailed records evaluation (**Table 1**). 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. Additional historic review of mining activity in the vicinity of the Property is provided in **Section 4.4.6**.

Site	Databases Listed	Analysis
Daggs Group	Mines-AZ MRDS-US	Identified at the west boundary of the central part of the Property. The record identifies an underground mine—past producer (stopped producing during the 1980's) with commodities of lead, iron, molybdenum, and vanadium. The Daggs Group record is also associated with the Belmont Mine.
Grand Pacific Mine AKA: Pacific Mine/ Grand Pacific/ Pacific Group/ Sandal Group/ Climax/ Grand Pacific Copper Co. of Arizona	Mines-AZ MRDS-US	This site is located on adjoining property to the west of the southern part of the Property. The record identifies an underground mine - past producer with commodities of copper, silver, gold, manganese, and iron. The ore at this mine was discovered in 1900, and the site was identified as a producer in 1916. The last year of production is reported in 1955.
Belmont Mine AKA: Belmont Copper Property/ Claim M S 3093; 2838; 3094; 3095/ Lone Star/ Daggs/Goodwin/ Smith Lease/ Monte Carlo Claim/ Consolidated Holding and Trust Co.	MRDS-US	This site is located on adjoining property to the west of the central part of the Property. The record identifies an underground mine—past producer with commodities of silver, copper, gold, lead, zinc, manganese, manganese, and vanadium. The ore at this mine was discovered in 1899, and the site was identified as a producer in 1926. The last year of production is reported in 1945.

4.2. PRIOR ENVIRONMENTAL REPORTS

WestLand conducted a Phase I ESA in August 2015 that revealed no evidence of a potential REC in connection with the Property (WestLand 2015).

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.

4.3.1. Topography

The Property is located in the mountains immediately east and south 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 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 northeast.

4.3.2. Soils

Data provided by the National Cooperative Soil Survey through Web Soil Survey (Soil Survey Staff 2020)¹ indicate that the Property is located within two soil complexes. The soil complexes are well drained and occur on mountainous areas.

Rock outcrop-Woodcutter complex—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 2020).

Rock outcrop-Mabray-Pantak complex—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 2020).

4.3.3. Geology

The present-day topography of the area is dominated by the Apache Leap escarpment, a west-facing 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. The town of 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 Spring fault, between the Concentrator fault and the upland capped with Apache Leap tuff, the layered rocks are tilted eastward and 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 1995).

¹ Accessed online on July 30, 2020.

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 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 March 2015 (WestLand 2015), and July 2020, there appears to be no surface water features within the Property, with the exception of minor ephemeral headwater drainage features which convey drainage 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. The National Wetlands Inventory (NWI) map identifies no wetlands within the Property (USFWS 2020)².

The area has been mapped by the Federal Emergency Management Agency (FEMA) on Flood Insurance Rate Map (FIRM) panel nos. 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 different groundwater basins; the East Salt River Valley sub-basin located within the larger Phoenix 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 2014).

As described in the General Plan of Operations (GPO; Resolution 2016), groundwater in the vicinity occurs in three separate local systems: a shallow groundwater system, the Apache Leap Tuff aquifer, and a deep groundwater system. Extensive characterization of the geology and hydrogeology in the vicinity (Montgomery & Associates 2010) indicates that the Concentrator fault, located to the west, 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 based on a lack of water level response to mine dewatering activities and large differences in hydraulic head across the fault,

² Accessed online July 31, 2020.

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 nine registered wells identified within a 1-mile buffer around the Property boundaries. Records indicate that these wells were drilled for mineral exploration, monitoring or are exempt wells (wells with a pump capacity less than 35 gallons per minute and that is used only for non-irrigation purposes). Reported depth for these wells is up to 3,571 feet bgs (below ground surface) (ADWR 2020). Groundwater flow direction at the Property likely follows surface gradient.

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, with regard to surface and assumed groundwater flow (ADWR 2020, WestLand 2015). 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 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 in order to help identify past uses that may have led to RECs in connection with the Property. According to the ASTM standard, obvious uses of a property shall be identified from the present back to the property's first developed use, or back to 1940, whichever is earlier. This requires reviewing only as many standard historical sources as are reasonably ascertainable and likely to be useful.

4.4.1. Historical Topographic Maps

WestLand reviewed U.S. Geological Survey (USGS) topographic maps of the Property and its vicinity dated 1948, 1991, and 2014 (**Appendix E**). USGS topographic map coverage for the Property is provided on the Superior 7.5-minute quadrangles at a 1:24,000 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.

The 1948 quadrangle depicts much of the Property as undeveloped desert land following the Apache Leap land form. 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. Developed features on land surrounding

the Property are generally limited to mine workings (shafts, prospects, mine tunnel/cave entrance) and 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 mine from a secondary highway. The Belmont Mine has a power line running to it, as well as some buildings and a tank.

The 1991 quadrangle depicts the Property in largely the same conditions as the 1948 map. 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 2014 quadrangle provides 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 four historical aerial photographs depicting the Property and vicinity dating from 1945, 1953, 1961, and 1978 (**Appendix F**). These were reviewed at scales between 1"=500' to 1"=1000'. WestLand reviewed the photographs for evidence of anthropomorphic 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.

Development at the Property evident in the aerial photographs is extremely limited. None of the aerial photographs definitively display developed features at the property. A small, cleared area is evident in the south part of the Property on 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.

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. 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.

4.4.4. Local Street Directories

Based on the lack of development in the immediate vicinity of the Property, WestLand did not conduct a city directory search.

4.4.5. Sanborn Fire Insurance Maps

Sanborn Fire Insurance Maps typically cover development in the first half of the 20th century. Considering the lack of development at the Property, WestLand did not commission a search for these maps.

4.4.6. Other Historical Sources

WestLand reviewed a cultural resource report for the property. 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: Map 18; Short et al. 1943). Early mining efforts during the nineteenth century targeted silver (i.e., 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 historically 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, neither of which lies within the Property boundaries.

4.5. GENERAL RESEARCH ON MINES IN THE IMMEDIATE VICINITY

WestLand reviewed data obtained from the USGS Mineral Resource Data System (MRDS; 2020) and Mindat (2020) to obtain general information on the mines in the immediate vicinity of the Property³. The MRDS records generally correspond to the government records reviewed for the Phase I ESA. One mine was located at the Property and two are within a 0.25 mile of the Property. Additional mine sites are located within 1 mile, but all are located downgradient of the Property with regard to surface and likely groundwater flow. General information for the three nearest mines (Daggs Group, Belmont Mine, Grand Pacific Mine) is provided below. The Daggs Group Mine appears to be part of the Belmont Mine and overlapping information is provided for the source 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 (2020) and Mindat (2020) with only minor edits for clarification.

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 identification number 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 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, & 10088908MRDS ID M899889 and MAS/MILS ID 0040210158. Land status data for this mine is National Forest; 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. in 1913–14. The mine was owned by the Magma Copper Co. (1976), operated by Charles H. Smith, and reportedly produced until 1945 (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 & 10283301, MRDS ID M899887 & 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 land and the owner in the MRDS record is Juan Ortega (1955); the

³ USGS and Mindat databases accessed July 31, 2020.

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other indicates the mine on National Forest 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 1967 (Mindat 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 performed a review of 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 the Property. This includes 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 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. Research indicates that surface and underground mining features are located within the Property. This includes small open cuts, shafts, tunnels, raises, crosscuts, and more extensive underground workings extending from the 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.

The northernmost part of the Property encompasses the entire Panic claim (**Appendix I, MS 2836**), portions of the Selma and Skiberean claims in Section 1 and 2 (**Appendix I, MS 2837**), and the entire Hillside claim (**Appendix I, MS 2838**). The central part of the Property encompasses the entire Touch Not No. 3 claim (**Appendix I, MS 2838**). The southern part of the Property encompasses the entire Rawhide claim (**Appendix I, MS 2838**), the entire Pacific No. 32 claim (**Appendix I, MS 3581**), and the entire Grand Lode claim (**Appendix I, MS 3581**).

5. SITE RECONNAISSANCE

On July 2, 2020, WestLand engineer, Patrick Mette, and environmental specialist Samantha Blonder performed a site reconnaissance to assess existing environmental conditions for the Property. Photographs documenting pertinent features are provided in **Appendix A**. The approximate photograph locations are shown in **Figure 4**.

5.1. METHODOLOGY AND LIMITING CONDITIONS

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

During the site reconnaissance, which included the Property and publicly accessible adjoining properties, WestLand evaluated the identified areas of site disturbance through pedestrian surveys. 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.

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 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 0.5 mile 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.

Field 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 have trespassed onto the private property. 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 underwent

extensive efforts to improve safety conditions on the site by adding steel grating to shafts and other features in 2005 to prevent entrance and falls.

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 land immediately adjoining the Property.

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 land immediately adjoining the Property.

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 during the site reconnaissance.

5.3.5. Drums

One rusted out water drum was observed at the Property in 2015 (Appendix A., Photo 17).

5.3.6. Odors

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

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 during the site reconnaissance.

5.3.9. Septic Systems

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

5.3.10. Wells

No wells were observed at the Property.

5.3.11. Stained Soil or Pavement

No stained soil or pavement was noted.

5.3.12. Stressed Vegetation

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

5.3.13. Solid Waste Disposal

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

The Property appears to be generally clean of solid waste.

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 of PCBs.

No PCB equipment was observed at the Property.

5.4. INTERIOR OBSERVATIONS

Not applicable.

6. INTERVIEWS

6.1. INTERVIEW WITH OWNER

On August 6, 2020, Sterling Hundley of Resolution completed the User Questionnaire and a projectspecific Owner Questionnaire generated by WestLand. Mr. Hundley indicated that to his knowledge, the property has been vacant and not used for development. He reported that mining activities have occurred on nearby land. He is not aware of any information potentially pointing to a REC for the Property. Responses to specific inquiries are included in **Appendix B**.

6.2. INTERVIEWS WITH OCCUPANTS

See Interview with Owner (Section 6.1).

6.3. INTERVIEW WITH LOCAL GOVERNMENT OFFICIALS

WestLand inquired to the Queen Valley Fire District (QVFD) 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.

In 2015, Rusty Dunmire of the QVFD, at queenvalleyfd@yahoo.com, reported that his inquiry to Cecil Fendley, Fire Chief of the QVFS since 1987, confirmed there was no knowledge of such spills or storage. On August 10, 2020, WestLand contacted the QVFD to inquire about any subsequent responses to the Property and immediate area since 2015. The interviewee, Mark Wohlforth, reported that he is not aware of any responses to spills or releases at the Property.

6.4. INTERVIEWS WITH OTHERS

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 Highway 60, and east of Highway 77, within a private landholding surrounded by Tonto National Forest lands. State Trust Lands are located approximately 1 mile east of the Property. WestLand reviewed a variety of 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 Superior, other smaller mining operations were located historically to the southeast of the town along the southern extent of Apache Leap. The major underground mines in the area of the Property were known as the Grand Pacific and Belmont mines.
- In order to gather baseline information on the presence/absence of underground and surface mining features on the Property, WestLand performed a review of 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 surface and underground mining features are located within the Property. This includes small open cuts, shafts, tunnels, raises, crosscuts, and more extensive underground workings extending from the 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.
- WestLand contracted with ERS to conduct an electronic search of regulatory agency databases for references to the Property and surrounding lands. The database search was conducted June 17, 2020 and included standard and additional federal, tribal, state, local, and supplemental database records, as well as ERS 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 (Daggs Group) and at least two additional mines appear to be located on adjoining Property to the west (Grand Pacific Mine and Belmont Mine). Several occurrence records were identified on multiple databases for land located within the ASTM-recommended minimum search distances from the Property boundaries. Some records are named in multiple databases and many of these records occur at the same location. WestLand combined records that were reported with the same address in a detailed records evaluation. The Daggs Group mine is likely part of the Belmont Mine and all of the mine records appear to have multiple alias. 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 (see relevant mine research **Section 4.4.6**).

- WestLand reviewed the ADWR Well Registry spatial database for wells within the boundaries of the Property. There are four registered wells at the Property for mineral exploration and monitoring. ADWR identifies numerous registered wells within 1 mile of the Property boundaries. Records for these wells indicate they were drilled for mineral exploration, soil vapor extraction, monitoring/piezometer/environmental or are exempt wells (i.e., wells with a maximum pump capacity of not more than 35 gallons per minute and used only for nonirrigation purposes). WestLand reviewed records for the three wells registered as soil vapor extraction wells to determine their location relative to the Property. The records indicate these wells were abandoned because a "remediation project was completed" (WestLand 2015). These wells are located west and downgradient of the Property, with regard to surface and assumed groundwater flow, along the east boundary of Superior (ADWR 2020, WestLand 2015). While the presence of these three wells suggests a past environmental condition near Superior, and considering their closed status due to completed remediation and their location downgradient of the Property, these wells do not indicate an environmental concern for the Property. Available information indicates that the nearby monitoring wells and mineral exploration wells are not likely associated with known groundwater remediation concerns.
- WestLand previously obtained the property tax maps and parcel detail reports for the Property. This information indicates there are named mining claims registered at the Property; however, the Property is considered vacant land with no assessed buildings or other improvements.
- On June 17, 2020, WestLand engaged ERS to conduct a search of available land title records for environmental liens and AULs on the Property. 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.
- On July 2, 2020, WestLand environmental specialists performed a site reconnaissance to 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 characterized as undeveloped open space but has evidence of historical mining use in the form of numerous prospects, shafts, and adits (i.e., horizontal shafts) with associated small waste rock piles. Resolution underwent extensive efforts to improve safety conditions on the site by adding steel grating to shafts and other features in 2005 to prevent entrance and falls. There is no evidence of historical human occupation or significant recreational use of the site. 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.

- WestLand conducted an interview with Sterling Hundley at Resolution who completed the User Questionnaire and a project-specific Owner Questionnaire. He reported that mining activities have possibly occurred on nearby land. Based on the User's knowledge of, and experience related to the Property, no obvious indicators point to the presence or likely presence of contamination on the Property of which the User is aware. No other information relevant to potential RECs was provided by the User.
- WestLand queried the QVFD as to 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. The QVFD has no knowledge of hazardous substances or petroleum product spills or storage at the Property or on land in the immediate vicinity.

8. CONCLUSION

WestLand has performed a Phase I ESA in conformance with the scope and limitations of ASTM E 2247-16 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.

9. DEVIATIONS

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

Considering that developed use of the Property is limited to historic mining and that there is no other documented or suspected use of the Property potentially indicating a REC, WestLand did not conduct a city directory search, Sanborn Fire Insurance Map search, building department record search or other historic record searches. There were no data failures or limitations potentially affecting conclusions regarding the identification of RECs for the Property (i.e., site access limitations, physical obstructions to observations, outstanding information requests, historical data failure, etc.). Considering the known history of the Property and the results of site reconnaissance and other completed research, this assessment is considered complete.

The prior Phase I ESA conducted in 2015 for this Property had a property boundary that consisted of three discontiguous areas. Since that time, the Property and its boundary has been modified to form one contiguous boundary. The areas that have been added to make the property boundary contiguous are small relative to the rest of the Property and well characterized as a result of the prior and current assessment. The environmental records search for this Phase I ESA (**Section 4.1**) inadvertently used the 2015 property boundary rather than the current boundary. Because the site and surrounding area is well characterized already, this is not considered to be a data gap.

On August 6, 2020, WestLand contacted representatives for the USFS and requested that the User Questionnaire be completed for the Property in support of the Southeastern Land Exchange and Conservation Act. As of the date of this report, a returned questionnaire has not yet been received. If the User Questionnaire is received after this report is finalized, it may be incorporated into the Phase I ESA report as an addendum to assist the USFS in qualifying for landowner liability protections.

10. ADDITIONAL SERVICES

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

II. QUALIFICATIONS AND SIGNATURE OF ENVIRONMENTAL PROFESSIONALS

Mark F. Taylor, P.E. believes that, to the best of his professional knowledge, he meets the definition of "environmental professional" as defined in §312.10 of 40 CFR 312. Mark 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.

Mark Taylor is the leading environmental professional assigned to perform project oversight for this Phase I ESA. Patrick Mette and Samantha Blonder conducted the site reconnaissance under the direction of Christopher Rife. Diana Sandoval conducted the interviews, regulatory inquiries, and historical research. Christopher Rife reviewed the findings in this report. Their work was conducted under the supervision of the above-named environmental professional. Mark 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 J**.

- 1 Ja

Mark F. Taylor, P.E.

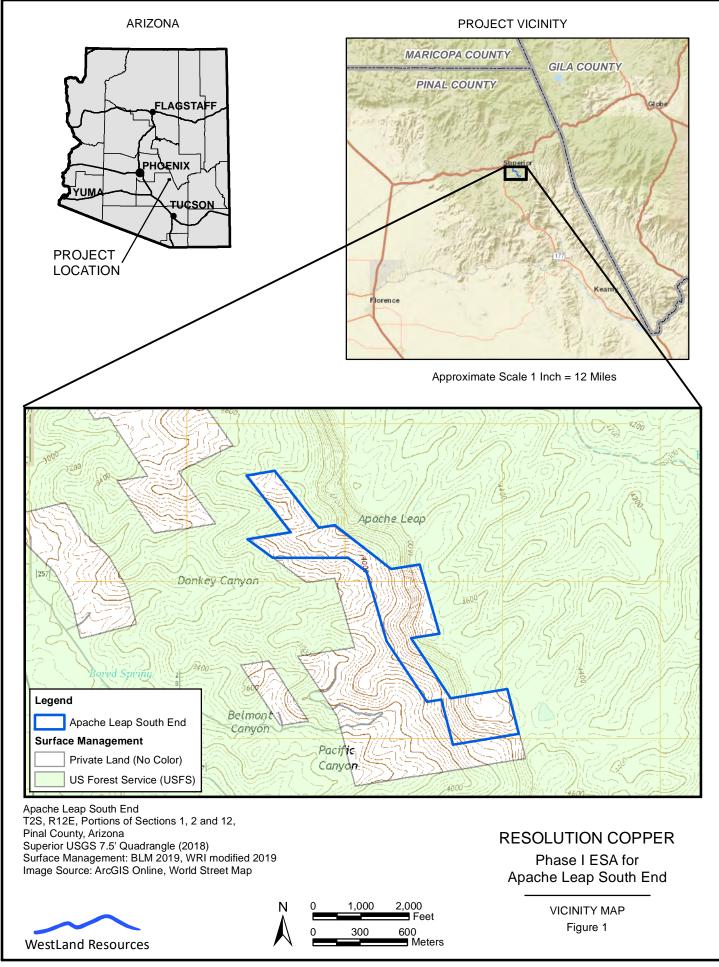
09/04/2020 Date

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FIGURES







1,500

500

WestLand Resources

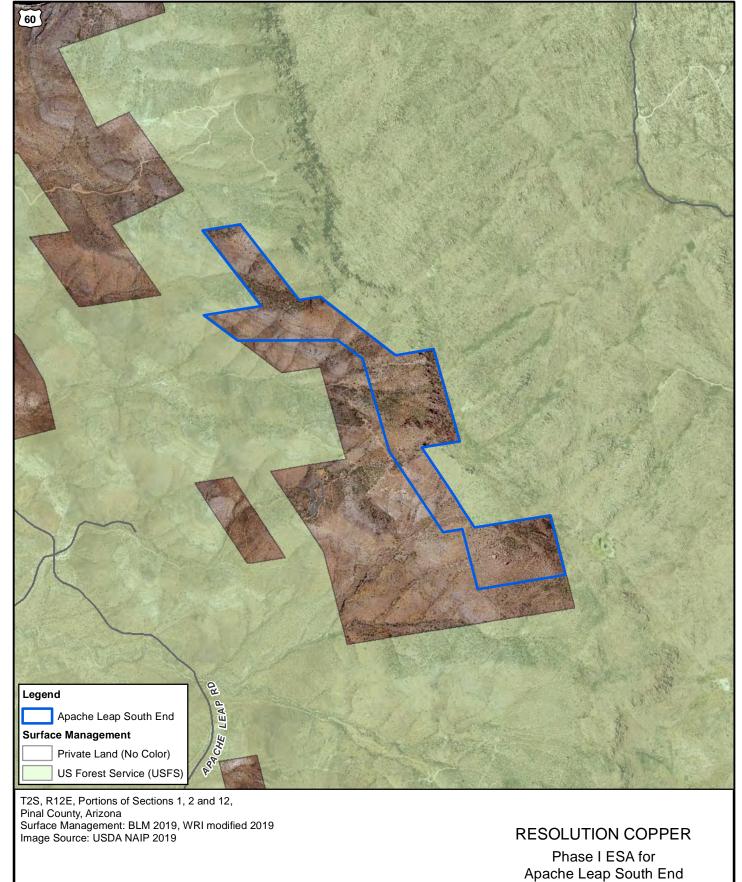
3,000 Feet

1,000

Meters

Phase I ESA for Apache Leap South End

AERIAL OVERVIEW WITH ADWR REGISTERED WELLS Figure 2



1,500

Feet

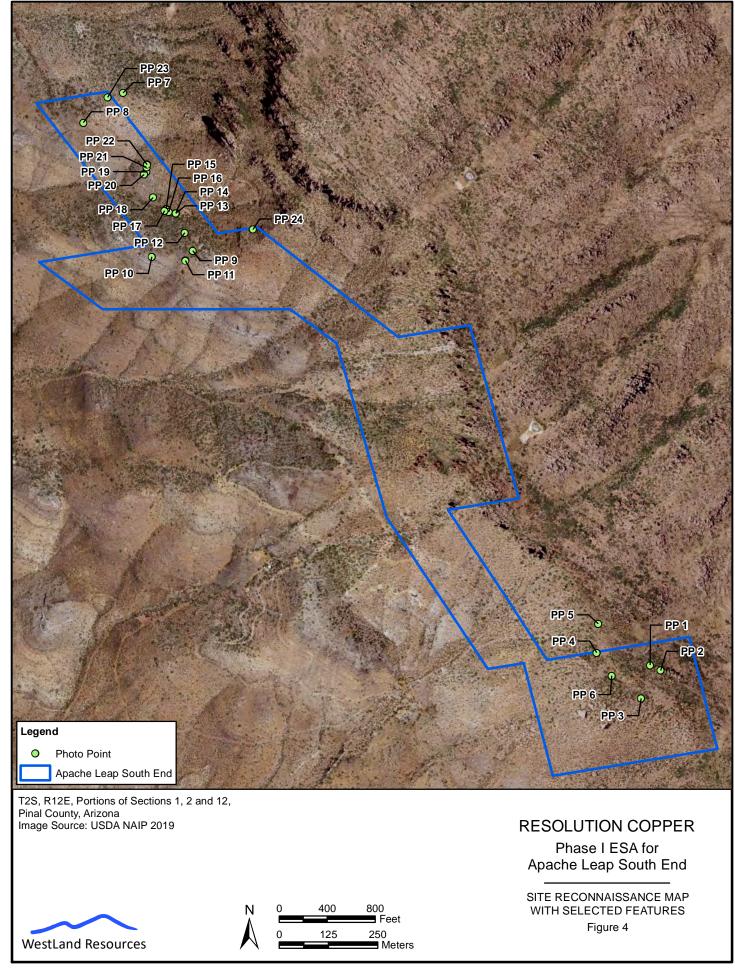
500 Meters

750

250

WestLand Resources

SURFACE MANAGEMENT Figure 3 Path: M:\Jobs\800's\807.211\ENV\ESA\mxd\Apache Leap South\04 SiteRecon_ApacheLeapSouthEnd.mxd



APPENDIX A

Site Photographs



Photo 1. Site overview from the southern-most parcel.



Photo 2. Overview of stock pond located east of the Property (not part the Property).



Photo 3. View looking south of the Property.

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





10



Photo 6. Overview of parcel vegetation.





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Photo 4.

View of the middle parcel, looking north from the southern-most parcel.

Photo 5.

Land surveyor's prism permanently fixed in the center parcel. Multiple prisms similar to this were found along the top/edge of the Apache Leap cliff face.

Apache Leap South End Phase I ESA Appendix A. Site Photographs

Photopage 2



Photo 7. Overview of the northern-most parcel of the Property.



Photo 8.

Overview of the northern-most parcel of the Property, facing southwest.



Photo 9.

Iron gate on partially filled-in shaft, shaft appears to be 6 ft x 6 ft x 3 ft. Photo retained from 2015 site visit.

Apache Leap South End Phase I ESA Appendix A. Site Photographs



Photopage 3





Photo 10. Survey marker, photo retained form 2015 site visit.

Photo 11.

Looking south at surface disturbance estimated at 20 ft x 20 ft. Photo retained from 2015 site visit.

Photo 12.

Mine adit measuring 17 ft long x 7 ft wide x 8 ft tall; opening measuring 6 ft x 3 ft. Photo retained from 2015 site visit.

Apache Leap South End Phase I ESA Appendix A. Site Photographs Photopage 4

WestLand Resources

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Photo 13.

Iron gate enclosing mine adit; could not define inner dimensions. Photo retained from 2015 site visit.

Photo 14. Zoomed in image of Photo 11.

Photo 15. Old cart. Photo retained from 2015 site visit.

WestLand Resources

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Apache Leap South End Phase I ESA Appendix A. Site Photographs Photopage 5



Photo 16. Rock wall beneath vegetation. Photo retained from 2015 site visit.

Photo 17. Rusted out, empty water drum. Photo retained from 2015 site visit.

Photo 18.

Possible test adit. Photo retained from 2015 site visit.

Apache Leap South End Phase I ESA Appendix A. Site Photographs Photopage 6





Photo 19.

Mine shaft closed with iron gate; could not define inner dimensions. Photo retained from 2015 site visit.

Photo 20.

Mine shaft closed with iron gate; could not define inner dimensions. Photo retained from 2015 site visit.

Photo 21.

Surface disturbance north of Photo 17 & 18, possible test pit. Photo retained from 2015 site visit.

Apache Leap South End Phase I ESA Appendix A. Site Photographs







Photo 22.

Surface disturbance north of Photo 20 & 21, another possible test pit. Photo retained from

Photo 23.

Survey marker, photo retained from 2015 site visit.

Photo 24. Survey marker. Photo retained from 2015 site visit.

WestLand Resources

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Apache Leap South End Phase I ESA Appendix A. Site Photographs Photopage 8

APPENDIX B

User Questionnaire and Owner Questionnaire

PHASE I ENVIRONMENTAL SITE ASSESSMENT (ASTM E 1527-13 & 2247-08)

USER QUESTIONNAIRE

In order 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.

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

Are you aware of any environmental cleanup liens against the *property* that are filed or recorded under federal, tribal, state or local law?

No

(2). Activity and land use limitations that are in place on the Property or that have been filed or recorded against the *property* (40 CFR 312.26). Are you aware of 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).

As the user of this ESA 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. We 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, fair market value was paid for property with no value indications of contamination

(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*?
 - Unknown, mining property near by
- (b.) Do you know of specific chemicals that are present or once were present at the property?

None

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

None

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

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 required

Land exchange parcel with US Federal Government

(b) The type of *property* and type of *property* transaction, for example, sale, purchase, exchange, etc.

Land Exchange

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

Property location is Township 2 South, Range 12 East, section 12. Pinal County parcel numbers 105-15-003 and 105-15-004.

- (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). Unknown
- (e) Identification of all parties who will rely on the Phase I report. US Forest Service and Bureau of Land Management
- (f) Identification of the site contact and how the contact can be reached. Are there previous site contacts that should be interviewed? Sterling Hundley - see below
- (g) Any special terms and conditions which must be agreed upon by the environmental professional. Unknown

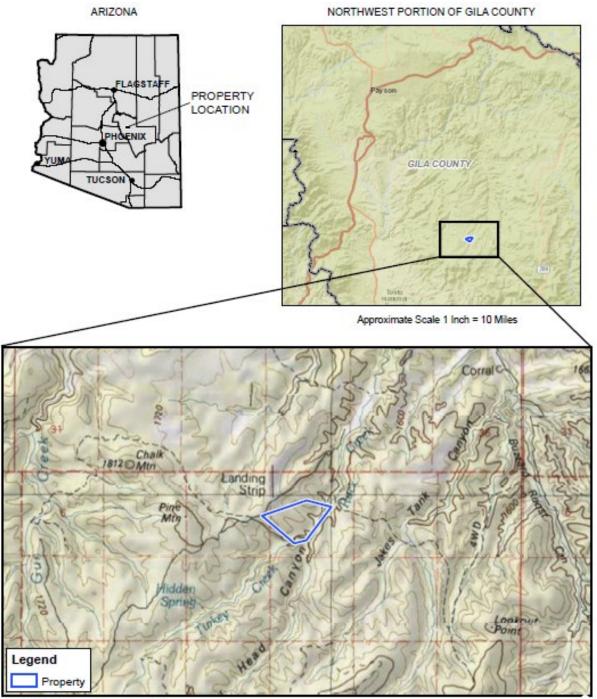
(h) Any other knowledge or experience with the *property* that may be pertinent to the environmental professional (for example, copies of any available prior environmental site assessment reports, documents, correspondence, etc., concerning the *property* and its environmental condition).

Some core drilling in previous years may have occurred.

No specific questions.

Name, Title, and Organization of person interviewed: Sterling Hundley, Controller, RESOLUTION COPPER COMPANY Interview Medium (phone, email, in-person): Email and phone Date of Interview:

8/6/2020



17N, R12E, Portions of Sections 3 & 4, Gila County, Arizona Theodore Roosevelt Lake, AZ USGS 1:100,000 Quadrangle Image Source: ArcGIS Online and World Streetmap

Phase I Environmental Site Assessment

PHASE I ENVIRONMENTAL SITE ASSESSMENT

OWNER/ OPERATOR/OCCUPANT QUESTIONNAIRE

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

- Please describe the current uses of the *property*, if known.
 Vacant land, mining property nearby
- (2). Please describe the past/historic use(s) of the *property*, if known. Vacant land. Never developed.
- (3). Name the current and any past owners or occupants of the *property*, if known.

Current: Resolution Copper Mining LLC: Past: BHP Copper Inc.

(4). Please describe the past and/or current uses of adjoining properties, if known.

Vacant land, never developed.

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

Vacant land. Mining properties nearby.

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

Yes____ No_X Unknown____

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

Yes____ No_X Unknown____

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

Yes____ No_X Unknown____

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

Yes____ No_X___ Unknown_____

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

Yes____ No_XX_ Unknown____

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

Yes_____ NoX____ Unknown_____

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

Yes____ No_X___ Unknown_____

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

Yes____ No<u>X</u>___ Unknown____

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

Yes____ No<u>X</u>___ Unknown____

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

Yes____ No_XX_ Unknown____

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

Yes____ No_X___ Unknown_____

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

Yes____ No_X___ Unknown_____

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

Yes____ No_X___ Unknown____

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

Yes____ No X___ Unknown____

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

Yes____ No_X___ Unknown_____

(21). Are you aware of any other information that may be pertinent to identifying past and present environmental conditions at the property or copies of any available prior *environmental site assessment reports*, documents, correspondence, etc., concerning the *property* and its environmental condition?

Yes No X Unknown

(22). Are you aware of (1) any pending, threatened, or past litigation relevant to *hazardous substances* or *petroleum products* in, on, or from the *property*; (2) any pending, threatened, or past administrative proceedings relevant to *hazardous substances* or *petroleum products* in, on, or from the *property*; and (3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to *hazardous substances* or *petroleum products*?

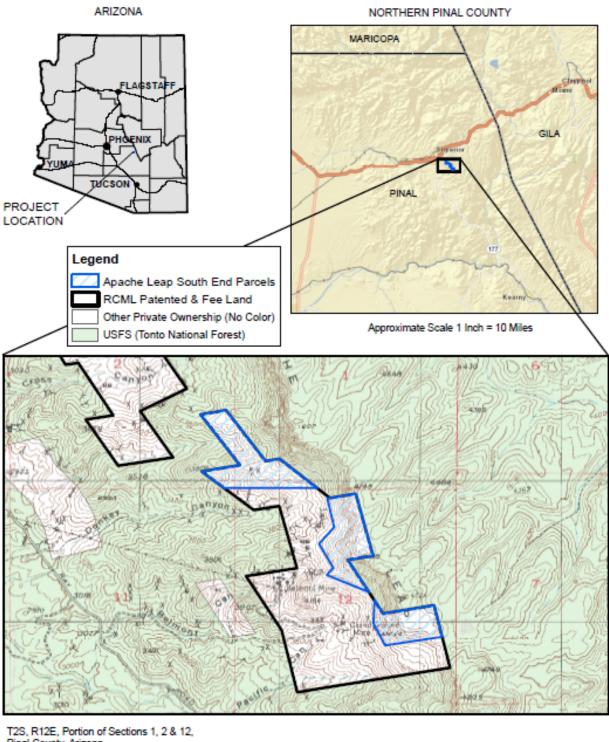
Yes____ No_X___ Unknown_____

Name, Title, and Organization of person interviewed:

Sterling Hundley, Controller, RESOLUTION COPPER COMPANY *Interview Medium (phone, email, in-person):*

Email and phone *Date of Interview:*

8/6/2020



T2S, R12E, Portion of Sections 1, 2 & 12, Pinal County, Arizona, Superior USGS 7.5' Quadrangle Data Source: BLM Surface Management 2012



Tucson + Phoenix + Flagstaff 4081 5: Paradias Falls Drive Tussen, Aramid 85712 (120) 208-0585 0 1,000 2,000 Feet

Ν

RESOLUTION COPPER Phase I ESA for Apache Leap South End

> VICINITY MAP Figure 1

APPENDIX C

ERS Environmental LienSearch Report with Recorded Deeds



Environmental Lien Research Update



Report Results for:

Patrick Mette WestLand Resources, Inc. 4001 E Paradise Falls Dr. Tucson, AZ 85712 EL Coversheet June 25, 2020



Subject Site: Apache Leap South		ERS Orde	er #:
Clients Project #: Address:	807.211 Parcels 105-15-0030 and 105-15- 00040	2104724021	
City, State Zip:	Pinal County, AZ		
Prepared For:		Date:	
Name: Company: Address: City, State Zip:	Patrick Mette WestLand Resources, Inc. 4001 E Paradise Falls Dr. Tucson, AZ 85712	June 25, Prepared B Name: Phone #:	

The 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, such as engineering controls and institutional controls.

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

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' office, registries of deed, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved and description); and
- provide a copy of the deed or cite documents reviewed;

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Environmental Lien and AUL Report Update

TARGET PROPERTY INFORMATION

ADDRESS

Apache Leap South Pinal County, Arizona

RESEARCH SOURCE

Source: Pinal County Assessor Pinal County Recorder

Current Owner of Property: Resolution Copper Mining LLC

LEGAL DESCRIPTION

(All that certain piece or parcel of land situated and lying in Section 12, Township 2 South, Range 12 East of the Gila and Salt River Base and Meridian, Pinal County, State of Arizona

Assessor's Parcel Number(s): 105-15-0030 an 105-15-0040

ENVIRONMENTAL LIEN

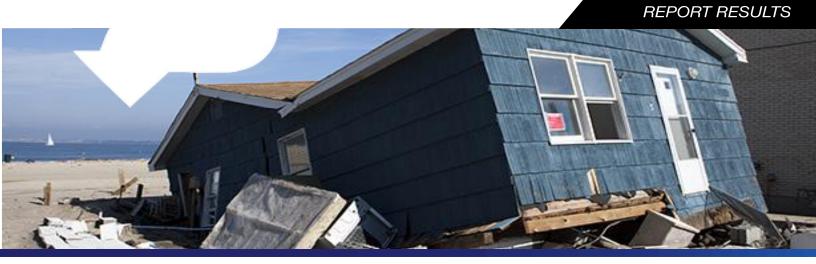
Environmental Lien: Found Not Found X

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: Found Not Found X



Environmental Lien Research



Report Results for: Diana Shiel

Diana Shiel Westland Resources 4001 E. Paradise Falls Drive Tucson, AZ 85712 2104651907 EL April 14, 2015



Subject Site:

Clients Project #: Address: City, State Zip:

105-15-003 and 105-15-004 Pinal County, AZ

Prepared For:

Name:Diana ShielCompany:Westland ResourcesAddress:4001 E. Paradise Falls DriveCity, State Zip:Tucson, AZ 85712

ERS Order #: 2104651907 EL

Date:

April 14, 2015



The NETR Environmental Lien Search Report

APACHE LEAP SOUTH PINAL COUNTY, ARIZONA

Tuesday, April 14, 2015

Project Number: L15-00795

2055 East Rio Salado Parkway Tempe, Arizona 85281

Telephone: 480-967-6752 Fax: 480-966-9422

ENVIRONMENTAL LIEN REPORT

The NETR Environmental LienSearch Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

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

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' office, registries of deed, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved and description); and
- provide a copy of the deed or cite documents reviewed;

Thank you for your business

Please contact NETR at 480-967-6752 with any questions or comments

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ENVIRONMENTAL LIEN REPORT

The NETR Environmental Lien Search Report is intended to assist in the search for environmental liens filed in land title records.

TARGET PROPERTY INFORMATION

ADDRESS

Apache Leap South Pinal County, Arizona

RESEARCH SOURCE

Source: Pinal County Assessor Pinal County Recorder

DEED INFORMATION

Type of Instrument: Special Warranty Deed

Grantor: BHP Copper Inc., a Delaware corporation

Grantee: Resolution Copper Mining LLC, a Delaware limited liability company

Deed Dated: 01/31/2005 Deed Recorded: 01/31/2005 Instrument: 2005-9840

LEGAL DESCRIPTION

All that certain piece or parcel of land situated and lying in Section 12, Township 2 South, Range 12 East of the Gila and Salt River Base and Meridian, Pinal County, State of Arizona

Assessor's Parcel Number(s): 105-15-003 and 105-15-004

ENVIRONMENTAL LIEN

Environmental Lien: Found D Not Found

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: Found □ Not Found ⊠





OFFICIAL RECORDS OF PINAL COUNTY RECORDER LAURA DEAN-LYTLE

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

WHEN RECORDED, PLEASE RETURN TO:

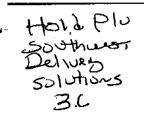


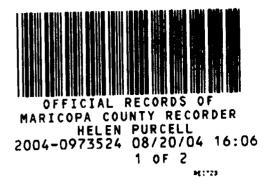
A Rio Tinto Company

2525 E. Arizona Biltmore Circle Suite C-135 Phoenix, AZ 85016 Tel.: (602) 956-0223

This Special Warranty Deed dated August 12th, 2004, was inadvertently recorded in Maricopa County. Please accept this certified copy from Maricopa County as the recorded document.

Daniel Mean for Resolution Copper





WHEN RECORDED, 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

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 Exhibit 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.

200409735243524

IN WITNESS WHEREOF, Grantor has executed this Special Warranty Deed effective as of March 31, 2004.

GRANTOR:

BHP COPPER INC., a Delaware corporation WICHERS Name: LESIDENT

STATE OF <u>Hrizona</u> County of Pinal) ss.

On this, the <u>12</u> day of <u>August</u>, 2004, before me, the undersigned Notary Public, personally appeared <u>Ben Wichers</u>, the <u>President</u> of BHP COPPER INC., a Delaware corporation, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged that he/she executed the same on behalf of the limited partnership for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.



hrun L. Mclure

My commission expires:

6-10-08

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 (NW¹/₄SE¹/₄), the West Half of the Southwest Quarter of the Southeast Quarter (W¹/₂SW¹/₄SE¹/₄), the North Half of the Northeast Quarter (N¹/₂NE¹/₄) 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 (NE¹/₄SE¹/₄), the West Half of the Southeast Quarter of the Southeast Quarter (W¹/₂SE¹/₄SE¹/₄), the East Half of the Southwest Quarter of the Southeast Quarter (E¹/₂SW¹/₄SE¹/₄) 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.

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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;

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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:

(1) 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

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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&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.

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 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. 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 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 sixteen degrees twenty-six minutes east fifty-five and twenty-four-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-six degrees twenty-six degrees twenty-six degrees twenty-six degrees twenty-six degrees twenty-six degrees twenty-four-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-seven degrees forty-eight minutes east fifty-four and seventy-nine-hundredths feet, thence south seventy-seven degrees forty-eight minutes of a forty-nine-hundredths feet, 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-eight 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 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.

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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. PARCEL 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.

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53. PARCEL NO. 53:

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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;..."

20040973524 OFFICIAL RECORDS OF MARICOPA COUNTY RECORDER HELEN PURCELL



The foregoing instrument is a full, true and correct copy of the original record in this office. Attest: 01/27/2005 2:14:24 PM

By the methecorder

AFFIDAVIT OF P	
1. ASSESSOR'S PARCEL IDENTIFICATION NUMBER(s) Primary Parcel: 105 - 02 - 001 - A BOOK - 02 - 001 - A PARCEL - A PARCEL - A PARCEL - A PARCEL - A BPLIT LETTER Does this sale include any parcels that are being split / divided? Check one: Yes I No I How many parcels, gther than the Primary Parcel, are included in this sale? 48 Please list the additional parcels below (no more than four): (1) 105-15-001 (3) 105-03-023 (3) 105-05-002	9. F (a) C (b) D (c) D (c) D (d) Fu MARICOPA COUNTY RECORDER HELEN PURCELL (v) AS 2004-0973524 08/20/04 16:06 ASS ** AFFIDAVIT ** REITZO Verthy Prix. Use Code: Full Cash Value: \$
2. SELLER'S NAME AND ADDRESS: <u>BHP Copper INC.</u> <u>1360 POST Oak BIVD.</u> <u>HOUSTON, TX 77056-3020</u> 3. (A) BUYER'S NAME AND ADDRESS: <u>RESOLUTION Copper MINING LLC</u>	10. TYPE OF DEED OR INSTRUMENT (Check Only One Box): a. [] Werranty Deed d. [] Contract or Agreement b. [3] Special Werranty Deed e. [] Quit Claim Deed c. [] Joint Tenancy Deed f. [] Other: 11. SALE PRICE: \$ [] N/A 00
(b) Are the Buyer and Seller related? Yes X No	12. DATE OF SALE (Numeric Digits): 05/04 (For example: 03/05 for March 2005) 13. DOM:N. DAYMENT: \$ N/A 00
HYDE, STATE FEISTERING LLC Hember/LLC 4. ADDRESS OF PROPERTY: N/A 5. MAIL TAX BILL TO: <u>Resolution Copper Hining LLC</u> 2525 East Arizona Bilt more Cir.	14. METHOD OF FINANCING: e. I New loan(a) from financial institution: a. [] Cash (190% of Sale Price) (1) [] Conventional b. [] Exchange or trade (2) [] VA c. [] Assumption of existing loan(a) r, [X] Other financial specify:
Single Family Residence g. Agricultural	d. Seller Loan (Carryback) <u>Exc. Na. Net</u> For <u>LC</u> 15. PERSONAL PROPERTY (see reverse side for definition): <u>1</u> Iffeles 1 (a) Did the Sale Price in item #11 include Personal Property that impacted the Sale Price by 5% or more? Yes No N/A (b) If Yes, provide the dollar amount of the Personal Property:
c. ☐ Condo or Townhouse h. ☐ Mobile or Manufactured Home d. ☐ 2-4 Plax I. ☐ Other Use; Specify: e. ☐ Apertment Building	OO AND briefly describe the Personal Property: 16. PARTIAL INTEREST: If only a partial connership interest is being sold, briefly describe the partial interest:
 7. RESIDENTIAL BUYER'S USE: If you checked b, c, d or h in item 6 above, please check <u>ane</u> of the following: To be cocupled by owner or "tamily member." To be rented to sceneone other than "family member." See reverse side for definition of a "family member." 	17. PARTY COMPLETING AFFIDAVIT (Name, Address, Phone): <u>Resolutions Copper Mining LLC</u> <u>Sce above</u> Phone (602) 956-0223
8. NUMBER OF UNITS: For Apartment Properties, Motels, Holels, Mobile Home Parks, RV Parks, Mini-Storage Properties, etc. THE UNIDERSIGNED BEINS DULY SWORN, ON OATH, SAYS THAT THE FO	TR. LEGAL DESCRIPTION (other copy if necessory): Sec A-TTACH ed Exhibit A. DREGOING INFORMATION IS A TRUE AND CORRECT STATEMENT OF THE
THE UNDERSIGNED BEING DUT SHOW, OT THE ABOVE DESCRIBED PR FACTE FERNING OTHE TRANSFER OF THE ABOVE DESCRIBED PR Signature of Seller/Agent State of <u>AVIZANA</u> county of <u>DINA</u> Subscribed and even to before me on this <u>12</u> day of <u>AUGUST</u> 2004 Notary Public <u>Dath VIZANA</u> <u>MCLUXE</u> Notary Expiration Data <u>GETFICIAL SEAL</u> Notary Expiration Data <u>GETFICIAL SEAL</u> NOTARY PUBLIC State of Arizona PINAL COUNTY	Signature of Buyer/Agent Signature of Buyer/Agent Binte of APIZONA County of MAPILOPA

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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. **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 (NW¹/₄SE¹/₄), the West Half of the Southwest Quarter of the Southeast Quarter (W¹/₂SW¹/₄SE¹/₄), the North Half of the Northeast Quarter (N¹/₂NE¹/₄) 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 (NE¹/₄SE¹/₄), the West Half of the Southeast Quarter of the Southeast Quarter (W¹/₂SE¹/₄SE¹/₄), the East Half of the Southwest Quarter of the Southeast Quarter (E¹/₂SW¹/₄SE¹/₄) 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.

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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;

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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:

(1) 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

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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&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.

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 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.,

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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

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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-onehundredths feet, thence south sixteen degrees twenty-six minutes east fifty-five and twenty-fourhundredths feet, thence south seventy-seven degrees forty-eight minutes west eighty-twohundredths 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 forty-eight minutes west fifty-four and seventy-nine-hundredths feet, thence south seventy-seven degrees forty-seven degrees forty-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

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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 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.

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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.

598950.1

A-11

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. **PARCEL 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

ERS RecCheck Area Report Results





RecCheck Area Report Results

The Standard for ASTM/AAI Radius Searches (One Mile Environmental Records Search, Exceeds ASTM 1527/1528 and EPA All Appropriate Inquiry)



Site Location: Parcels 105-15-0030 And 105-15-00040 Pinal County, AZ 85173 (N 33-16-10, W 111-3-58) NAD83 Client:

WestLand Resources, Inc.

2104724020



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EXECUTIVE SUMMARY

INFORMATION ON THE REQUESTED LOCATION

Site Address:	Parcels 105-15-0030 And 105-15-00040 Pinal County, AZ 85173
Client Project Name/Number:	Apache Leap South- Part 3 807.211
Coordinates:	N 33-16-10, W 111-3-58 (NAD 83) 33.2695638080038, -111.066125897257
Date of Report	June 17, 2020
ERS Project Number:	2104724020
Subject Site Listed on the following lists:	Not Listed
Subject Site Listed as Map ID#:	N/A
USGS 7.5 Minute Quad Map:	Superior (2014-11-20)
Subject Site Located within a Potential Area of Concern:	No
Township, Section and Range:	Township: 02S Range: 12E Section: 012
Site Elevation: (feet above or below (-) mean sea level)	Approximately 4659 ft near the center of the area.
Flood Zone: (FEMA Q3 Digital Data)	Panel: 04021C0290E, Effective Date: 12/4/2007 Zone X - Area of minimal flood hazard, usually depicted on FIRMs as above the 500- year flood level.
Fire Insurance Map Coverage:	No
Radon Information:	EPA Radon Zone: 2 (Predicted avg for county: 2 to 4 pCi/L)
Search Radius Expansion Size: (In Miles)	0
Soil Type: (USDA Soil Survey Geographic Database) (SSURGO)	Rock outcrop-Woodcutter complex, tuff, 15 to 50 percent slopes Map Unit Type: Complex Hydric: No Drainage Class: Well drained General Information: Loamy-skeletal, mixed, superactive, thermic Aridic Lithic Argiustolls

800-377-2430



Zip Codes Searched for "Un-Mappable" Sites:	Not Researched
Occurrence Count:	2



SUMMARY OF OCCURRENCES

MAP ID	ID/SITE NAME	ADDRESS	DATABASE	STATUS	DISTANCE (MILES)	ELEV DIFF (FEET)
<u>1</u> Maps: <u>1</u> , <u>4</u>	10048317 Grand Pacific Mine	Not Reported by Agency	MRDS-US	Listed	0.13 W	N/A
2 Maps: <u>1</u> , <u>4</u>	10283301 Grand Pacific	Not Reported by Agency	MRDS-US	Listed	0.13 W	N/A



POTENTIAL AREAS OF CONCERN/CONTAMINATION SUMMARY

DATABASE SEARCHED	SUBJECT SITE WITHIN POTENTIAL AREA OF CONCERN	AREAS FOUND WITHIN 1- MILE RADIUS
Brownfields-AZ	No	0
Close-WQARF-AZ	No	0
NPL-R9-US	No	0
DOD-AZ	No	0
EpaNPL-AZ	No	0
WQARF-AZ	No	0
Military-Bases-US	No	0
LF-Pima-AZ	No	0
LF-FedState-AZ	No	0

DATABASE OCCURRENCE SUMMARY

HIGH RISK* OCCURRENCES IDENTIFIED IN REQUESTED SEARCH RADIUS							
DISTANCE SEARCHED HIGH RISK DATABASE SEARCHED (MILES) OCCURRENCES							
ASPL-AZ	0.5	0					
BF-Open-AZ	0.5	0					
CERCLIS-US	0.5	0					
LUST-Open-AZ	0.5	0					
NPL-US	1	0					
Proposed-NPL-US	1	0					
RemOther-Open-AZ	0.5	0					
SAA-Agreements-US	1	0					
Tribal-LUST-Open-Reg9	0.5	0					
VCP-Open-AZ	0.5	0					

* For the purposes of this report, "high risk" occurrences are those that have known contamination and have not received a "case closed" or "no further action" status from the agency that maintains the records.

ASTM/AAI STANDARD RECORD SOURCES SUMMARY							
STANDARD ENVIRONMENTAL RECORD SOURCES	SEARCH DIST. / ERS NAME SEARCH DIST. (MILES)						
Federal NPL site list	1.0 / 1.0	NPL-US	0	None Listed			
		Proposed-NPL-US	0	None Listed			
Federal Delisted NPL site list	0.5 / 1.0	Delisted-NPL-US	0	None Listed			
Federal CERCLIS list	0.5 / 0.5	CERCLIS-US	0	None Listed			
Federal CERCLIS NFRAP site list	0.5 / 0.5	CERCLIS-Archived- US	0	None Listed			
Federal RCRA CORRACTS facilities list	1.0 / 1.0	RCRA-COR-US	0	None Listed			
Federal RCRA non-CORRACTS	0.5 / 0.5	RCRA-TSDF-US	0	None Listed			
277 2420		Daga 4		2104724020			

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TSD facilities list Federal RCRA generators list	Property	RCRA-CESQG-US	0	
	inopolity		()	None Listed
	and	RCRA-CESQG-05	0	NOTE LISTED
	adjoining			
	properties /			
	0.25			
	0.20	RCRA-LQG-US	0	None Listed
		RCRA-NON-US	0	None Listed
		RCRA-SQG-US	0	None Listed
Federal Inst/Eng control	Property	Controls-RCRA-US	0	None Listed
registries	Only / 0.25		U	None Listed
regionitee	0111y / 0120	Controls-US	0	None Listed
		Hist-US-EC	0	None Listed
		Hist-US-IC	0	None Listed
		LIENS-US	0	None Listed
Federal ERNS list	Property	ERNS-US	0	None Listed
	Only /		Ŭ	
	0.0625			
State and Tribal-Equivalent NPL	1.0 / 1.0	Not Reported by	0	None Listed
		Agency	Ū	
State and Tribal-Equivalent	0.5 / 0.5	ASPL-AZ	0	None Listed
CERCLIS			-	
		Hist-SS-AZ	0	None Listed
State and Tribal landfill and/or	0.5 / 0.5	Debris-US	0	None Listed
solid waste disposal sites				
·		Hist-Dumps-US	0	None Listed
		SWF-AZ	0	None Listed
		SWF-Closed-AZ	0	None Listed
		SWLF-US	0	None Listed
		Transfer-AZ	0	None Listed
		Tribal-ODI-US	0	None Listed
State and Tribal Leaking Storage	0.5 / 0.5	LUST-Closed-AZ	0	None Listed
Tank Lists				
		LUST-Open-AZ	0	None Listed
		LUST-Suspected-AZ	0	None Listed
		Tribal-LUST-Closed-	0	None Listed
		Reg9		
		Tribal-LUST-Open-	0	None Listed
		Reg9		
State and Tribal Registered	Property	AST2-AZ	0	None Listed
Storage Tank Lists	and			
	adjoining			
	properties /			
	0.25			
		AST-AZ	0	None Listed
		FEMA-UST-US	0	None Listed
		Tribal-UST-Reg9	0	None Listed
		UST-AZ	0	None Listed
State and Tribal Inst/Eng Control	Property	Controls-AZ	0	None Listed
Registries	Only / 0.5			
State and Tribal Voluntary Cleanup Sites	0.5 / 0.5	Tribal-VCP-US	0	None Listed
Oreanup Orea		VCP-Closed-AZ	0	None Listed
		VCP-Open-AZ	0	None Listed

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State and Tribal Brownfield Sites	0.5 / 0.5	BF-Closed-AZ	0	None Listed
		BF-Open-AZ	0	None Listed
		BF-Tribal-US	0	None Listed

FEDERAL ASTM/AAI DATABASES							
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
BF-Tribal-US	0.5	0	0	0	0	-	0
BF-US	0.5	0	0	0	0	-	0
CERCLIS-Archived-US	0.5	0	0	0	0	-	0
CERCLIS-US	0.5	0	0	0	0	-	0
Controls-RCRA-US	0.5	0	0	0	0	-	0
Controls-US	0.5	0	0	0	0	-	0
Debris-US	0.5	0	0	0	0	-	0
Delisted-NPL-US	1	0	0	0	0	0	0
ERNS-US	0.0625	0	0	-	-	-	0
FEMA-UST-US	0.25	0	0	0	-	-	0
FTTS-ENF-US	0.25	0	0	0	-	-	0
Hist-Dumps-US	0.5	0	0	0	0	-	0
Hist-US-EC	0.5	0	0	0	0	-	0
Hist-US-IC	0.5	0	0	0	0	-	0
HMIS-US	0.0625	0	0	-	-	-	0
LIENS-US	0.0625	0	0	-	-	-	0
NPL-US	1	0	0	0	0	0	0
PADS-US	0.0625	0	0	-	-	-	0
PCB-US	0.25	0	0	0	-	-	0
Proposed-NPL-US	1	0	0	0	0	0	0
RCRA-CESQG-US	0.25	0	0	0	-	-	0
RCRA-COR-US	1	0	0	0	0	0	0
RCRA-LQG-US	0.25	0	0	0	-	-	0
RCRA-NON-US	0.25	0	0	0	-	-	0
RCRA-SQG-US	0.25	0	0	0	-	-	0
RCRA-TSDF-US	0.5	0	0	0	0	-	0
SAA-Agreements-US	1	0	0	0	0	0	0
SWLF-US	0.5	0	0	0	0	-	0
Tribal-LUST-Closed-Reg9	0.5	0	0	0	0	-	0
Tribal-LUST-Open-Reg9	0.5	0	0	0	0	-	0
Tribal-ODI-US	0.5	0	0	0	0	-	0
Tribal-UST-Reg9	0.25	0	0	0	-	-	0
Tribal-VCP-US	0.5	0	0	0	0	-	0

STATE ASTM/AAI DATABASES						
DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
0.5	0	0	0	0	-	0
0.25	0	0	0	-	-	0
0.25	0	0	0	-	-	0
0.5	0	0	0	0	-	0
0.5	0	0	0	0	-	0
0.5	0	0	0	0	-	0
0.0625	0	0	-	-	-	0
0.5	0	0	0	0	-	0
0.5	0	0	0	0	-	0
0.5	0	0	0	0	-	0
	SEARCHED 0.5 0.25 0.25 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	SEARCHED SITE 0.5 0 0.25 0 0.25 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0	SEARCHED SITE MILES 0.5 0 0 0.25 0 0 0.25 0 0 0.25 0 0 0.5 0 0 0.5 0 0 0.5 0 0 0.5 0 0 0.5 0 0 0.5 0 0 0.625 0 0 0.5 0 0 0.5 0 0	SEARCHED SITE MILES MILES 0.5 0 0 0 0.25 0 0 0 0.25 0 0 0 0.25 0 0 0 0.5 0 0 0 0.5 0 0 0 0.5 0 0 0 0.5 0 0 0 0.5 0 0 - 0.5 0 0 - 0.5 0 0 0 0.5 0 0 0 0.5 0 0 0 0.5 0 0 0 0.5 0 0 0	SEARCHED SITE MILES MILES MILES 0.5 0 0 0 0 0.25 0 0 0 - 0.25 0 0 0 - 0.25 0 0 0 - 0.25 0 0 0 - 0.5 0 0 0 0 0.5 0 0 0 0 0.5 0 0 0 0 0.55 0 0 0 0 0.55 0 0 0 0 0.55 0 0 0 0 0.5 0 0 0 0 0.5 0 0 0 0	SEARCHED SITE MILES <

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STATE ASTM/AAI DATABASES									
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL		
LUST-Suspected-AZ	0.5	0	0	0	0	-	0		
Oil-Centers-AZ	0.5	0	0	0	0	-	0		
RemOther-Closed-AZ	0.5	0	0	0	0	-	0		
RemOther-Open-AZ	0.5	0	0	0	0	-	0		
SWF-AZ	0.5	0	0	0	0	-	0		
SWF-Closed-AZ	0.5	0	0	0	0	-	0		
Transfer-AZ	0.5	0	0	0	0	-	0		
UST-AZ	0.25	0	0	0	-	-	0		
VCP-Closed-AZ	0.5	0	0	0	0	-	0		
VCP-Open-AZ	0.5	0	0	0	0	-	0		
VCP-Other-AZ	0.5	0	0	0	0	-	0		

SUPPLEMENTAL DATABASES								
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL	
Abandoned-Mines-AZ	0.0625	0	0	-	-	-	0	
Air-AZ	0.25	0	0	0	-	-	0	
Allfac-AZ	0.25	0	0	0	-	-	0	
BioFuel-US	0.25	0	0	0	-	-	0	
CDL-AZ	0.0625	0	0	-	-	-	0	
CDL-US	0.0625	0	0	-	-	-	0	
Coal-Ash-AZ	0.5	0	0	0	0	-	0	
Coal-Ash-Dams-US	0.5	0	0	0	0	-	0	
Dams-AZ	0.25	0	0	0	-	-	0	
DryCleaners-AZ	0.25	0	0	0	-	-	0	
DryWell-AZ	0.25	0	0	0	-	-	0	
EGRID-US	0.5	0	0	0	0	-	0	
EPA-Watch-List-US	0.25	0	0	0	-	-	0	
FA-HW-US	0.0625	0	0	-	-	-	0	
FA-UST-AZ	0.0625	0	0	-	-	-	0	
FRS-US	0.0625	0	0	-	-	-	0	
FTTS-INSP-US	0.0625	0	0	-	-	-	0	
FUDS-US	1	0	0	0	0	0	0	
FUSRAP-US	0.25	0	0	0	-	-	0	
Hist-ACIDS-AZ	0.25	0	0	0	-	-	0	
Hist-AFS2-US	0.25	0	0	0	-	-	0	
Hist-AFS-US	0.25	0	0	0	-	-	0	
Hist-AZ	0.0625	0	0	-	-	-	0	
Hist-CERCLIS-NFRAP-US	0.25	0	0	0	-	-	0	
Hist-CERCLIS-US	0.25	0	0	0	-	-	0	
Hist-DryWells-AZ	0.25	0	0	0	-	-	0	
Hist-ERNS-US	0.0625	0	0	-	-	-	0	
Hist-FIFRA-US	0.25	0	0	0	-	-	0	
Hist-FINDS-US	0.0625	0	0	-	-	-	0	
Hist-HML-AZ	0.25	0	0	0	-	-	0	
Hist-LF-AZ	0.25	0	0	0	-	-	0	
Hist-LUST-AZ	0.25	0	0	0	-	-	0	
HIST-MLTS-US	0.25	0	0	0	-	-	0	
Hist-NPL-US	0.25	0	0	0	-	-	0	
Hist-RCRIS-US	0.25	0	0	0	-	-	0	
Hist-Superfund-AZ	0.25	0	0	0	-	-	0	
Hist-TRIS-US	0.25	0	0	0	-	-	0	
Hist-US	0.0625	0	0	-	-	-	0	

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	SUPPLEMENTAL DATABASES							
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL	
Hist-UST-AZ	0.25	0	0	0	-	-	0	
Hist-WaterWells-US	0.0625	0	0	-	-	-	0	
ICIS-Air-US	0.0625	0	0	-	-	-	0	
ICIS-FEC-US	0.0625	0	0	-	-	-	0	
ICIS-NPDES-US	0.0625	0	0	-	-	-	0	
Lead-Smelter-2-US	0.25	0	0	0	-	-	0	
Lead-US	0.25	0	0	0	-	-	0	
LMOP-US	0.5	0	0	0	0	-	0	
Mines-AZ	0.0625	0	0	-	-	-	0	
MINES-US	0.0625	0	0	-	-	-	0	
MLTS-US	0.0625	0	0	-	-	-	0	
MRDS-US	0.25	0	2	0	-	-	2	
NPDES-AZ	0.0625	0	0	-	-	-	0	
OGW-AZ	0.0625	0	0	-	-	-	0	
PCS-US	0.25	0	0	0	-	-	0	
RADINFO-US	0.0625	0	0	-	-	-	0	
RFG-Lab-US	0.25	0	0	0	-	-	0	
RMP-US	0.0625	0	0	-	-	-	0	
ROD-US	0.5	0	0	0	0	-	0	
SDWIS-US	0.25	0	0	0	-	-	0	
SSTS-US	0.0625	0	0	-	-	-	0	
SWT-AZ	0.25	0	0	0	-	-	0	
Tribal-Air-US	0.25	0	0	0	-	-	0	
TRIS2000-US	0.0625	0	0	-	-	-	0	
TRIS2010-US	0.0625	0	0	-	-	-	0	
TRIS80-US	0.0625	0	0	-	-	-	0	
TRIS90-US	0.0625	0	0	-	-	-	0	
TSCA-US	0.0625	0	0	-	-	-	0	
UIC-AZ	0.0625	0	0	-	-	-	0	
UMTRA-US	0.0625	0	0	-	-	-	0	
USGS-Waterwells-US	0.0625	0	0	-	-	-	0	
Vapor-Intrusions-US	0.5	0	0	0	0	-	0	
Waste-tire-AZ	0.5	0	0	0	0	-	0	
Wells-AZ	0.0625	0	0	-	-	-	0	

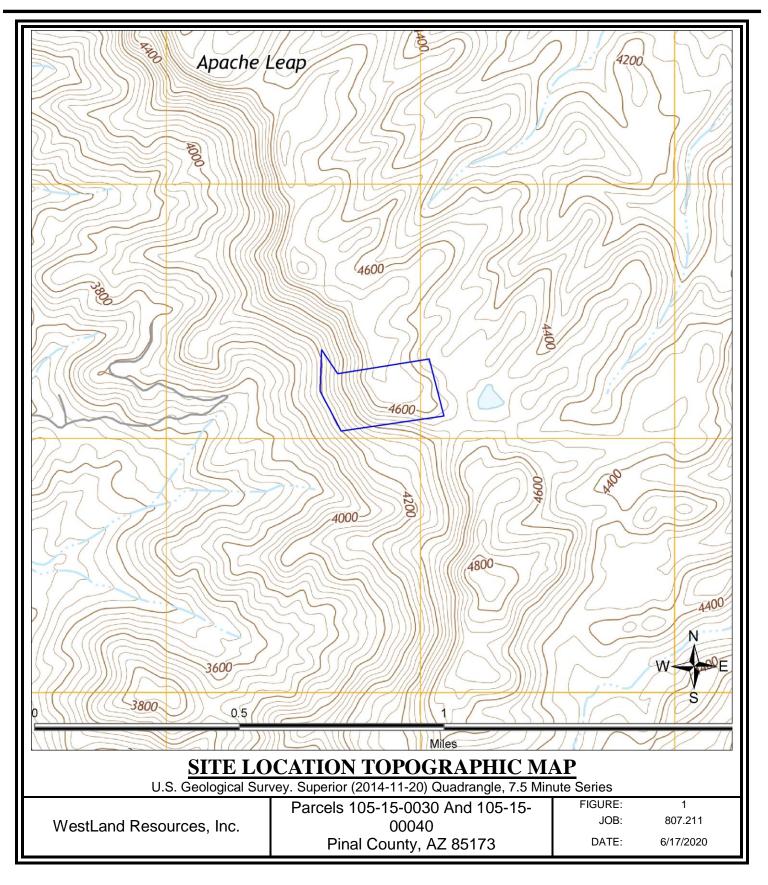
PROPRIETARY HISTORIC DATABASES								
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL	
Hist-Agriculture	0.0625	0	0	-	-	-	0	
Hist-Auto Dealers	0.0625	0	0	-	-	-	0	
Hist-Auto Repair	0.25	0	0	0	-	-	0	
Hist-Chemical Manufacturing	0.0625	0	0	-	-	-	0	
Hist-Chemical-Storage	0.0625	0	0	-	-	-	0	
Hist-Cleaners	0.25	0	0	0	-	-	0	
Hist-Convenience	0.0625	0	0	-	-	-	0	
Hist-Disposal-Recycle	0.0625	0	0	-	-	-	0	
Hist-Food-Processors	0.0625	0	0	-	-	-	0	
Hist-Gun-Ranges	0.0625	0	0	-	-	-	0	
Hist-Machine Shop	0.0625	0	0	-	-	-	0	
Hist-Manufacturing	0.0625	0	0	-	-	-	0	
Hist-Metal Plating	0.0625	0	0	-	-	-	0	
Hist-Mining	0.0625	0	0	-	-	-	0	
Hist-Mortuaries	0.0625	0	0	-	-	-	0	

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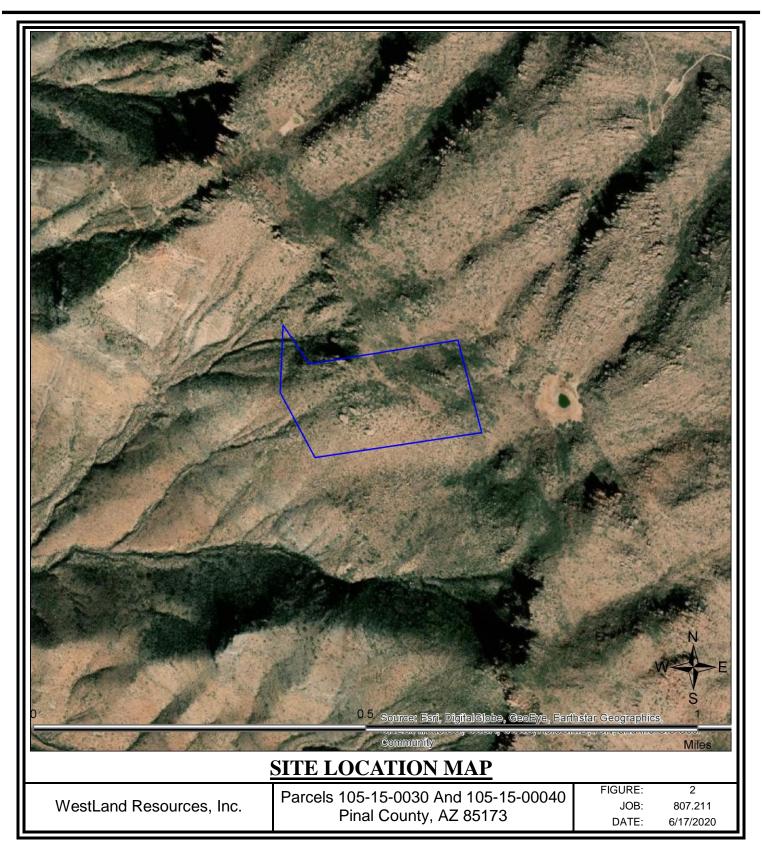


PROPRIETARY HISTORIC DATABASES									
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL		
Hist-Oil-Gas	0.0625	0	0	-	-	-	0		
Hist-OilGas-Refiners	0.0625	0	0	-	-	-	0		
Hist-Other	0.0625	0	0	-	-	-	0		
Hist-Paint-Stores	0.0625	0	0	-	-	-	0		
Hist-Petroleum	0.0625	0	0	-	-	-	0		
Hist-Post-Offices	0.0625	0	0	-	-	-	0		
Hist-Printers	0.0625	0	0	-	-	-	0		
Hist-Rental	0.0625	0	0	-	-	-	0		
Hist-RV-Dealers	0.0625	0	0	-	-	-	0		
Hist-Salvage	0.0625	0	0	-	-	-	0		
Hist-Service Stations	0.25	0	0	0	-	-	0		
Hist-Steel-Metals	0.0625	0	0	-	-	-	0		
Hist-Textile	0.0625	0	0	-	-	-	0		
Hist-Transportation	0.0625	0	0	-	-	-	0		
Hist-Trucking	0.0625	0	0	-	-	-	0		
Hist-Vehicle-Parts	0.0625	0	0	-	-	-	0		
Hist-Vehicle-Washing	0.0625	0	0	-	-	-	0		











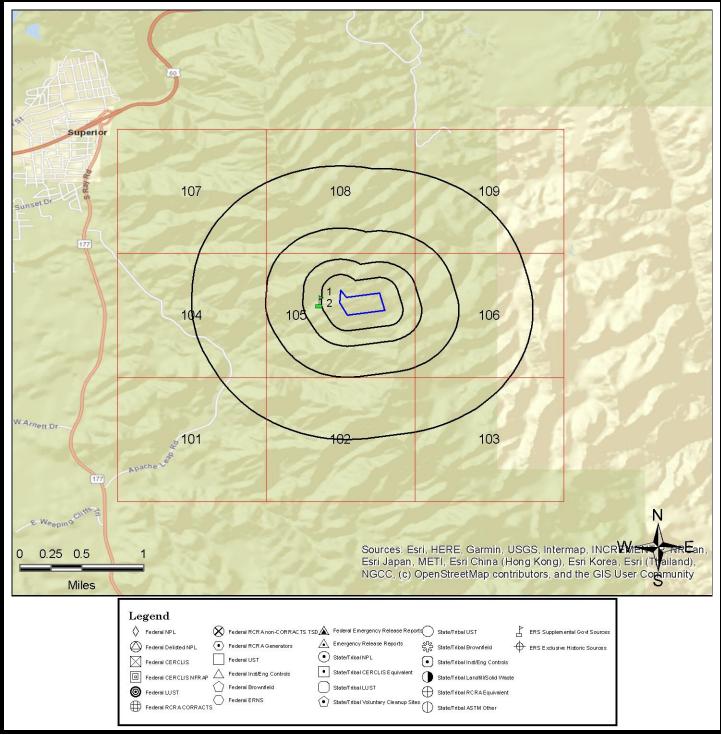
<u>1-MILE KADIUS SIKEEI MAP W/UCCUKKENCES (MAPI)</u>
0 0,25 0,5 Miles
Image: State of the state

1-MILE RADIUS STREET MAPW/OCCURRENCES (MAPI)

All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrences based on the type of list and the current status of the occurrences. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

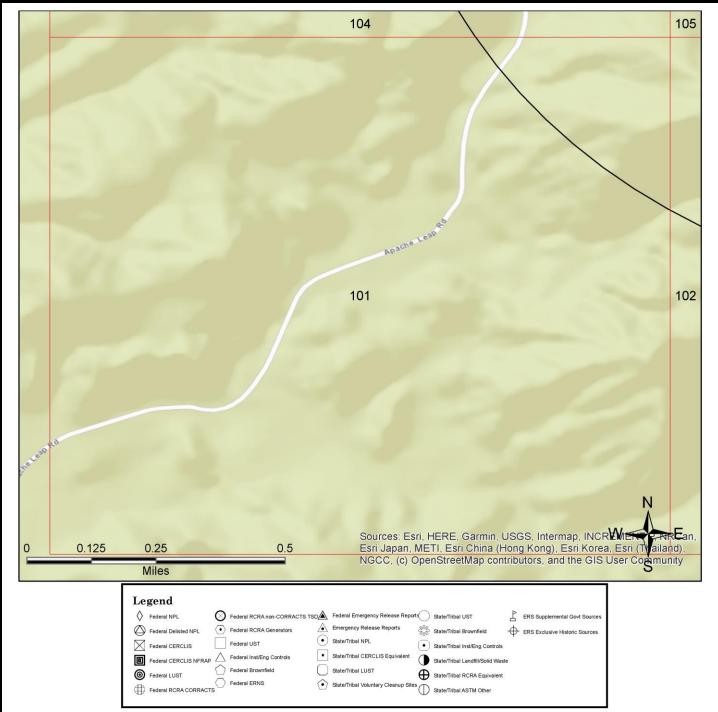


GRID LAYOUT MAP KEY



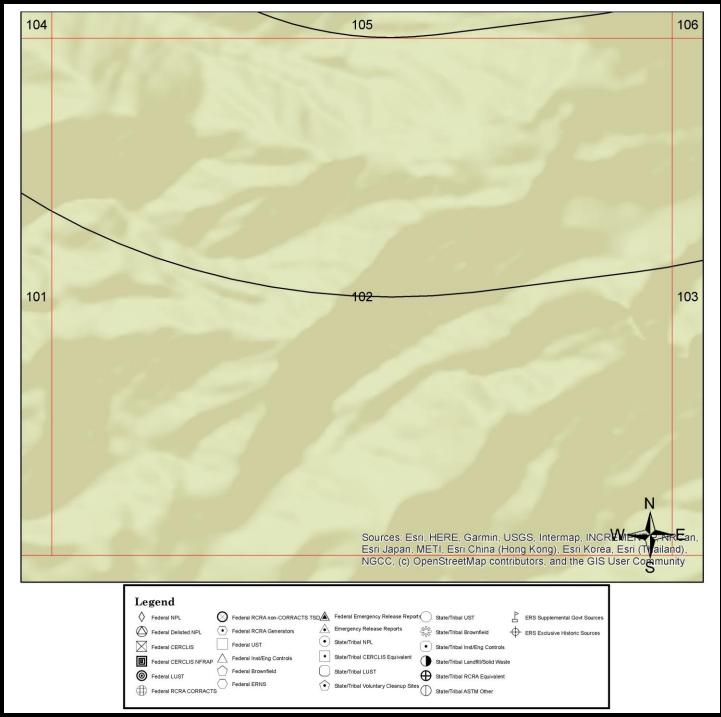
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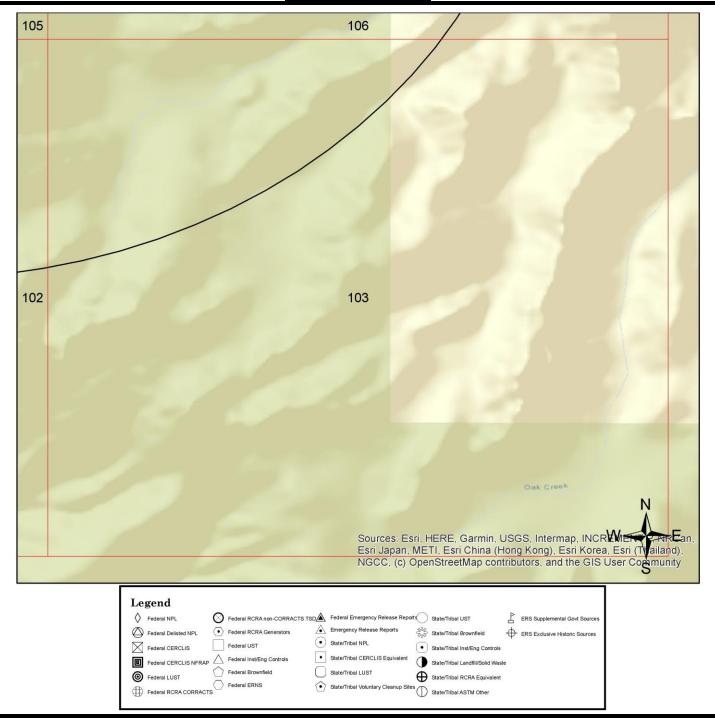
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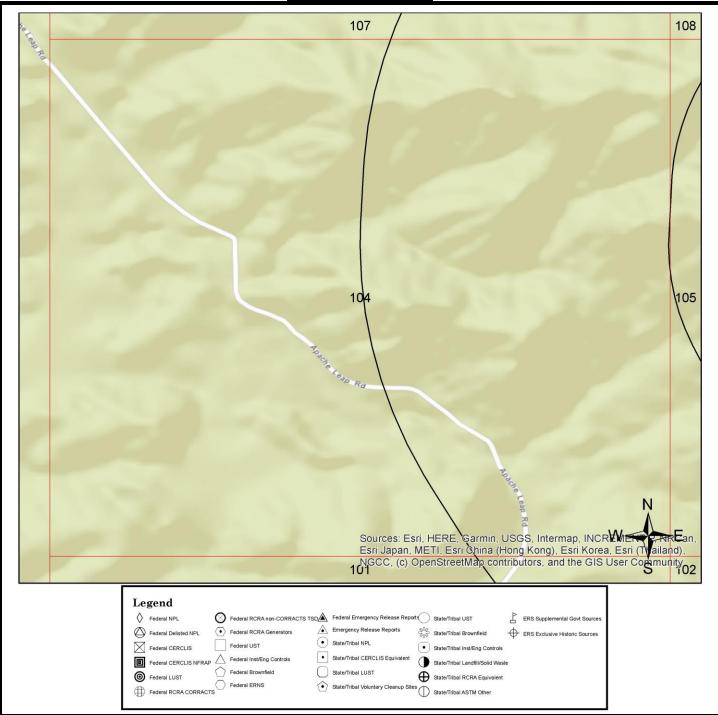
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.





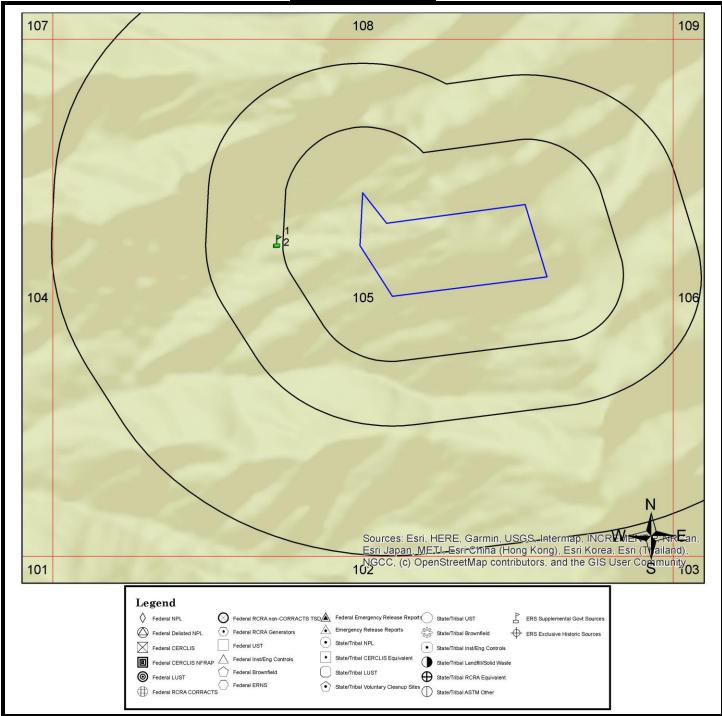
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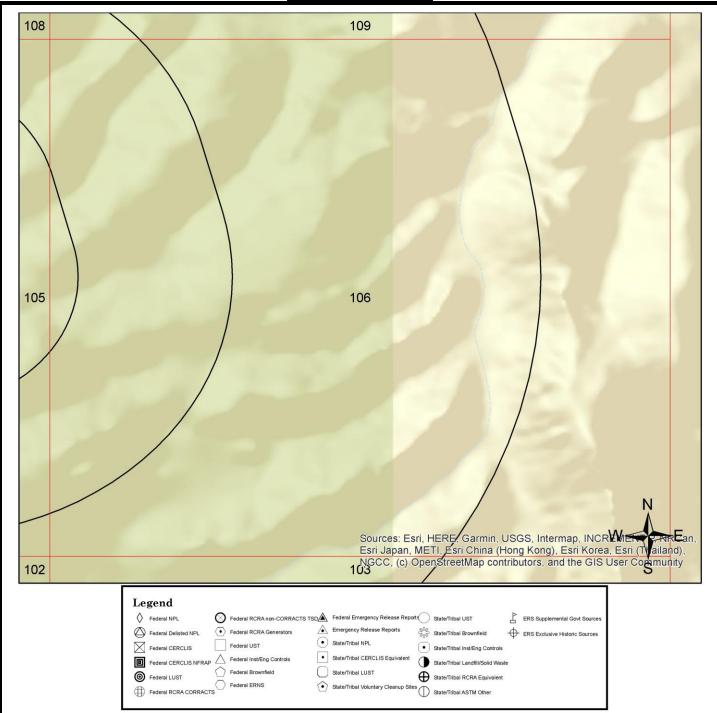
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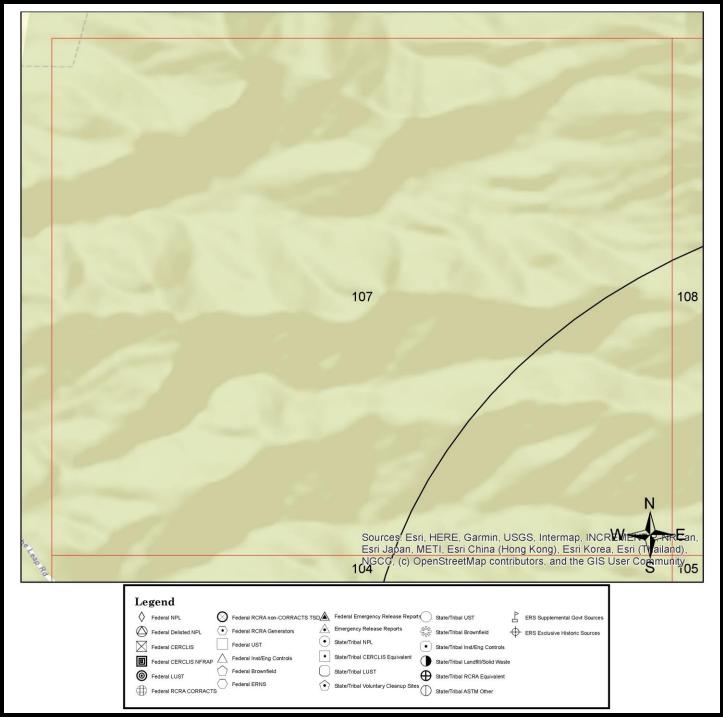




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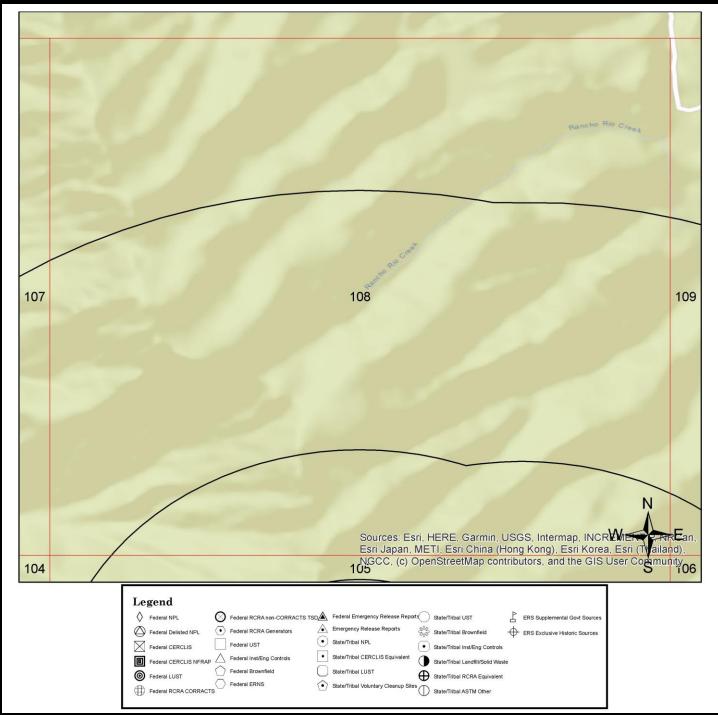
800-377-2430





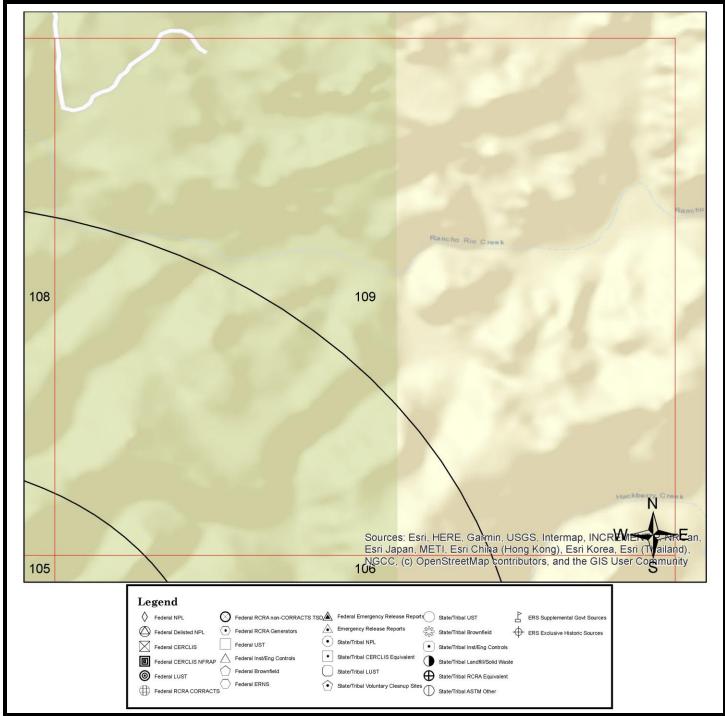
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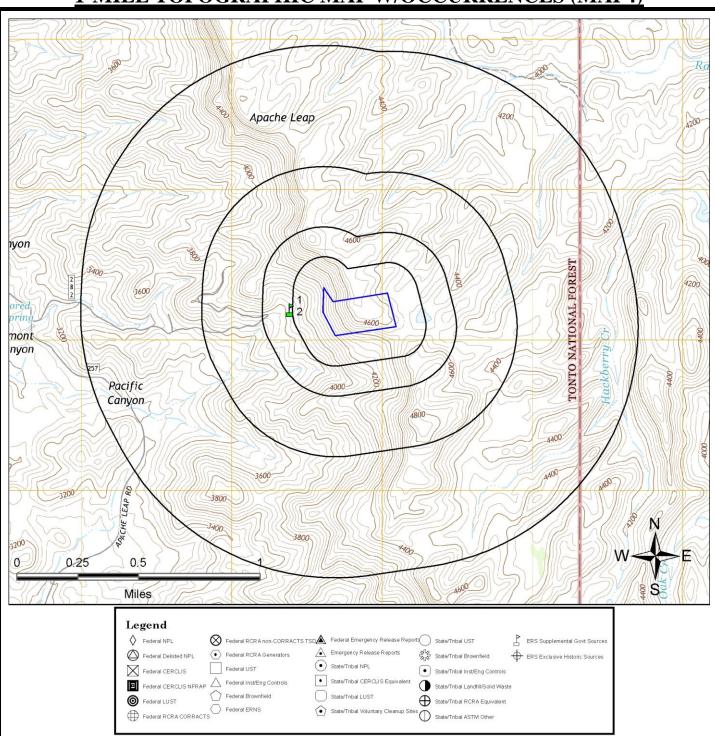
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.





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<u>1-MILE TOPOGRAPHIC MAP W/OCCURRENCES (MAP4)</u>

All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.



AGENCY DIFFERENCES IN MAPPED LOCATIONS (MAP5) Note: Occurrences on this map have agency provided coordinates which differ significantly from geocoded locations. This map was not created because there were no occurrences which had agency provided coordinates that differed significantly from our mapped locations. Sources: Esri, HERE, DeLorme, USGS, Intermap, increment Corp NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thatand), 0.25 0.5 TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Miles Community Legend Federal NPL Federal RCRA non-CORRACTS TSD State/Tribal UST ERS Supplemental Govt Sources Federal Delisted NPL • Federal RCRA Generators State/Tribal Brownfield \oplus ERS Exclusive Historic Sources Federal UST Federal CERCLIS State/Tribal Inst/Eng Controls \times ribal CERCLIS Equivaler Federal Inst/Eng Controls Federal CERCLIS NFRAP State/Tribal Landfill/Solid Waste \cap Federal Brownfield State/Tribal LUST Federal LUST \oplus State/Tribal RCRAEquivalent \cap Federal ERNS State/Tribal Voluntary Cleanup Site Federal RCRACORRAC State/Tribal ASTM Other

This "AGENCY DIFFERENCES IN MAPPED LOCATIONS (MAP 4)" is fully protected against reproduction in any way, shape or form by ERS Environmental Record Search. ALL applicable laws, copyrights, pending copyrights, trademarks, and any and all applicable Federal and State laws apply at all times. These protections include the concept, procedures, processes, layout, vision, color scheme, mapping layout, legends, data, any and all verbiage, and the entire concept.



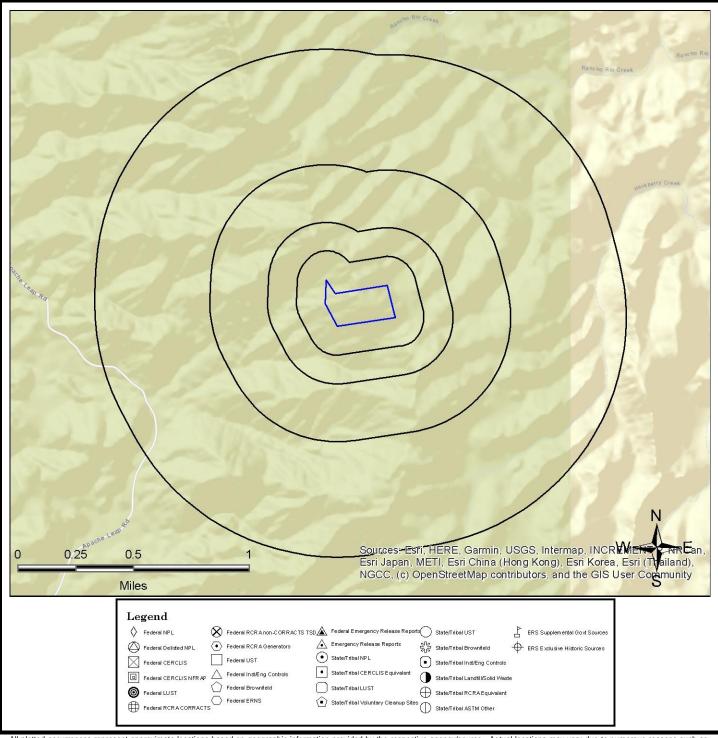
SUMMARY OF AGENCY DIFFERENCES

MAP ID	ID / SITE NAME	ADDRESS / DATABASE	AGENCY COORDINATES	DISTANCE (MILES)	DIRECTION
N/A	No occurrences were identified where the agency provided coordinates that differed significantly from our mapped locations.				



MAPPED AIR PERMITS WITH POTENTIAL DISPERSION (MAP6)

Note: Occurrences on this map are reported in Air Quality databases. Potential air plumes are drawn in the direction of the prevailing wind. No air quality occurrences were identified in the search radius



All plotted occurrences represent approximate locations based on geographic information provided by the respective agency/source. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. Potential air dispersion plumes are depicted to graphically show the direction the size of the property, accuracy of the provided location, accuracy of the solution of the solution for th



LISTED OCCURRENCE DETAILS

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
MRDS-US	Listed	0.13 miles W	3848 ft	1
	SITE NAME		MAPS	ID
	Grand Pacific Mine		<u>1, 4</u>	10048317
	ADDRESS		CITY	ZIP
No	ot Reported by Agency			
		DETAILS	-	
Mineral Resource Data Systems (M Mineral Resources On-Line Spatial http://mrdata.usgs.gov/mrds/show-r Deposit ID: 10048317 Code List: CU AG Development Status: Producer Ages Information Rock Record ID: Not Reported Age Record ID: 1 Age Type: Mineralization Chronological Age: Not Reported Age Uncertainty: Not Reported Age Determination Method: Not Rep Material Analyzed: Not Reported Young Age Modifier: Not Reported Young Age Code: 1760 Young Age: Paleocene Old Age Modifier: Not Reported Old Age Code: Not Reported Old Age: Not Reported Not Reported Rock Record ID: 4 Age Record ID: 1 Age Type: Associated Rock Chronological Age: Not Reported More Details Link	Data: nrds.php?dep_id=10048317			

800-377-2430



DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
MRDS-US	Listed	0.13 miles W	3848 ft	2
	SITE NAME	-	MAPS	ID
	Grand Pacific		<u>1, 4</u>	10283301
	ADDRESS		CITY	ZIP
No	ot Reported by Agency			
		DETAILS		
Mineral Resource Data Systems (M Mineral Resources On-Line Spatial http://mrdata.usgs.gov/mrds/show-m Deposit ID: 10283301 Code List: CU Development Status: Past Producer Ages Information : Not Reported Analytical Data Information : Not Reported Commodity Information : Not Reported Commodity Information Commodity Code: CU Commodity Name: Copper Commodity Group: Copper Commodity Code: MN Commodity Name: Manganese Commodity Group: Manganese Commodity Code: FE Commodity Name: Iron <u>More Details Link</u>	Data: hrds.php?dep_id=10283301			



RECORDS SOURCES SEARCHED

ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
Abandoned- Mines-AZ	Abandoned Mines	ERS Supplemental Govt Sources	Click Here	None Found
Air-AZ	Arizona Air Permits	ERS Supplemental Govt Sources	Click Here	None Found
Allfac-AZ	Arizona Permits	ERS Supplemental Govt Sources	Click Here	None Found
ASPL-AZ	Arizona Superfund Program List	State/Tribal CERCLIS Equivalent	Click Here	None Found
AST2-AZ	Aboveground Storage Tanks	State/Tribal UST	Click Here	None Found
AST-AZ	Storage Tank Facility Data, ASTs (aka Registered Aboveground Storage Tanks)	State/Tribal UST	Click Here	None Found
BF-Closed-AZ	Brownfields Assistance Program Site List, Open Cases (aka Brownfields Tracking System)	State/Tribal Brownfield	Click Here	None Found
BF-Open-AZ	Brownfields Assistance Program Site List, Closed Cases (aka Brownfields Tracking System)	State/Tribal Brownfield	Click Here	None Found
BF-Tribal-US	Historical Tribal Brownfields	Federal Brownfield	Click Here	None Found
BF-US	Brownfields Sites	Federal Brownfields	Click Here	None Found
BioFuel-US	Bio Diesel Fuel	ERS Supplemental Govt Sources	Click Here	None Found
Brownfields-AZ	Brownfield Site Boundaries	State/Tribal Brownfield	Click Here	None Found
CDL-AZ	Clandestine Drug Labs	ERS Supplemental Govt Sources	Click Here	None Found
CDL-US	National Clandestine Drug Lab Register	ERS Supplemental Govt Sources	Click Here	None Found
CERCLIS- Archived-US	CERCLIS sites that have been archived	Federal CERCLIS NFRAP	Click Here	None Found
CERCLIS-US	Comprehensive Environmental Response, Compensation, and Liability Information System	Federal CERCLIS	Click Here	None Found
Close- WQARF-AZ	Closed Water Quality Assurance Revolving Fund (WQARF) Sites.	State/Tribal NPL	Click Here	None Found
Coal-Ash-AZ	Coal Ash Disposal Sites	ERS Supplemental Govt Sources	Click Here	None Found
Coal-Ash- Dams-US	Coal Ash Contaminated Sites and Hazard Dams	ERS Supplemental Govt Sources	Click Here	None Found



ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
Controls-AZ	Remediation and Declaration of Environmental Use Restriction (DEUR) (aka AUL, Environmental Use Restriction Sites)	State/Tribal Inst/Eng Controls	Click Here	None Found
Controls- RCRA-US	RCRA Institutional and Engineering Controls Summary (aka Federal RCRA with Controls)	Federal Institutional/Engineering Controls	Click Here	None Found
Controls-US	US CERCLA Sites with Controls (aka US IC/EC, Institutional/Engineering List Controls, Land Use Controls)	Federal Institutional/Engineering Controls	Click Here	None Found
Dams-AZ	Arizona Dams	ERS Supplemental Govt Sources	Click Here	None Found
Debris-US	Historical Debris Sites	Federal Solid Waste	Click Here	None Found
Delisted-NPL- US	Delisted NPL Sites	Federal Delisted NPL	Click Here	None Found
DOD-AZ	Department of Defense Sites	ERS Supplemental Govt Sources	Click Here	None Found
DryCleaners- AZ	Dry Cleaner Facilities	ERS Supplemental Govt Sources	Click Here	None Found
DryWell-AZ	DryWells	ERS Supplemental Govt Sources	Click Here	None Found
EGRID-US	Emissions & Generation Resource Facilities	ERS Supplemental Govt Sources	Click Here	None Found
EpaNPL-AZ	Arizona National Priority List	State/Tribal NPL	Click Here	None Found
EPA-Watch- List-US	Historical EPA Watch List	ERS Supplemental Govt Sources	Click Here	None Found
ERNS-US	Emergency Response Notification System	Federal ERNS	Click Here	None Found
FA-HW-US	Financial Assurance, Hazardous Waste	ERS Supplemental Govt Sources	Click Here	None Found
FA-UST-AZ	Financial Assurance for Underground Storage Tanks	ERS Supplemental Govt Sources	Click Here	None Found
FEMA-UST-US	Historical FEMA Underground Storage Tanks	Federal UST	Click Here	None Found
FRS-US	Facility Registry Index (FINDS)	ERS Supplemental Govt Sources	Click Here	None Found
FTTS-ENF-US	Historical FIFRA/TSCA Tracking System (FTTS) Enforcement Actions	Federal ASTM Other	Click Here	None Found
FTTS-INSP-US	Historical FIFRA/TSCA Tracking System (FTTS) Inspections	ERS Supplemental Govt Sources	Click Here	None Found
FUDS-US	Formerly Used Defense Sites	ERS Supplemental Govt Sources	Click Here	None Found



ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
FUSRAP-US	Formerly Utilized Sites Remedial Action Program Sites	ERS Supplemental Govt Sources	Click Here	None Found
Hist-ACIDS-AZ	Historical Cercla Information Data System	ERS Supplemental Govt Sources	Click Here	None Found
Hist-AFS2-US	Historical Air Facility System for Clean Air Act stationary sources	ERS Supplemental Govt Sources	Click Here	None Found
Hist-AFS-US	Historical Air Facility System for Clean Air Act stationary sources	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Agriculture	Historical Ranches/Farms, Livestock/Agriculture	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Auto Dealers	Historical Auto and Truck Dealers	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Auto Repair	Historical Automotive Repair	ERS Exclusive Historic Sources	Click Here	None Found
Hist-AZ	Previously Listed Arizona Sites	ERS Supplemental Govt Sources	Click Here	None Found
Hist-CERCLIS- NFRAP-US	Historical CERCLIS-NFRAP	ERS Supplemental Govt Sources	Click Here	None Found
Hist-CERCLIS- US	Historical CERCLIS Sites	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Chemical Manufacturing	Historical Manufacturing and Distribution of Chemicals, Gases, and/or Solids	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Chemical- Storage	Historical Chemical/Hazardous Use Storage	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Cleaners	Historical Laundry, Cleaners, and Dry Cleaning Services	ERS Exclusive Historic Sources	Click Here	None Found
Hist- Convenience	Historical Convenience Store with Possible Gas	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Disposal- Recycle	Historical Hazardous Disposal/Recycle and Dumps/Waste	ERS Exclusive Historic Sources	Click Here	None Found
Hist-DryWells- AZ	Historical Dry Well Registration List	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Dumps- US	Historical Dumps Inventory of 1985	Federal Solid Waste	Click Here	None Found
Hist-ERNS-US	Historical Emergency Response Notification System (ERNS)	ERS Supplemental Govt Sources	Click Here	None Found
Hist-FIFRA-US	Historical Case Administration Data from National Compliance Database (Federal Insecticide, Fungicide, and Rodenticide Act)	ERS Supplemental Govt Sources	Click Here	None Found



ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
Hist-FINDS-US	Historical Facility Index System	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Food- Processors	Historical Food Processing Manufacturers	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Gun- Ranges	Historical Gun Ranges/Clubs	ERS Exclusive Historic Sources	Click Here	None Found
Hist-HML-AZ	Historical Hazardous Materials Logbook	ERS Supplemental Govt Sources	Click Here	None Found
Hist-LF-AZ	Historical Arizona Landfills	ERS Supplemental Govt Sources	Click Here	None Found
Hist-LUST-AZ	Historical LUST File Listing	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Machine Shop	Historical Machine Shops, Welding, Machine Repair	ERS Exclusive Historic Sources	Click Here	None Found
Hist- Manufacturing	Historical Sources US: Manufacturing	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Metal Plating	Historical Metal Plating	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Mining	Historical Mining Operations	ERS Exclusive Historic Sources	Click Here	None Found
HIST-MLTS- US	Historical Material Licensing Tracking System	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Mortuaries	Historical Crematories/Mortuaries	ERS Exclusive Historic Sources	Click Here	None Found
Hist-NPL-US	Historical National Priority List	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Oil-Gas	Historical Oil and Gas Well Related Facilities	ERS Exclusive Historic Sources	Click Here	None Found
Hist-OilGas- Refiners	Historical Oil/Gas Refiners/Manufacturers/Plants	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Other	Historical Environmental Facilities	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Paint- Stores	Historical Paint Stores	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Petroleum	Historical Petroleum Refining/ Manufacturing/ Chemicals	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Post- Offices	Historical Post Offices	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Printers	Historical Printers and Publishers	ERS Exclusive Historic Sources	Click Here	None Found



ABREVIATION	DATABASE FULLNAME DATABASE CATE		DATABASE DETAILS LINK	TOTAL LISTINGS
Hist-RCRIS-US	Historical EPA's Resource ERS Supplementa Conservation and Recovery Act Sources		Click Here	None Found
Hist-Rental	Historical Rental Equipment & Yards	ERS Exclusive Historic Sources	Click Here	None Found
Hist-RV- Dealers	Historical Trailer and Recreational Vehicle Dealers	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Salvage	Historical Vehicle Salvage Yards or Wreckers	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Service Stations	Historical Service Stations/Vehicle Fueling	ERS Exclusive Historic Sources	Click Here	None Found
Hist-SPILLS- AZ	Historical Arizona Spills Reported	Emergency Release Reports	Click Here	None Found
Hist-SS-AZ	Historical Superfund Sites	State/Tribal CERCLIS Equivalent	Click Here	None Found
Hist-Steel- Metals	Historical Steel Mills/Manufacturers/Foundries/Smelte rs	ERS Exclusive Historic Sources	Click Here	None Found
Hist- Superfund-AZ	Historical Superfund and WQARF ERS Supplemental C Priorities List Sources		Click Here	None Found
Hist-Textile	Historical Textile Mills/Manufacturers	ERS Exclusive Historic Sources	Click Here	None Found
Hist- Transportation	Historical Transportation Facilities	ERS Exclusive Historic Sources	Click Here	None Found
Hist-TRIS-US	Historical Toxic Release Inventory System Sources		Click Here	None Found
Hist-Trucking	Historical Trucking, Shipping, Delivery, and/or Storage	ERS Exclusive Historic Sources	Click Here	None Found
Hist-US	Historical Previously Listed Federal Sites	ERS Supplemental Govt Sources	Click Here	None Found
Hist-US-EC	Historical Engineering Controls Sites (aka US EC, Engineering Controls, Land Use Controls)	Federal Institutional/Engineering Controls	Click Here	None Found
Hist-US-IC	Historical Sites with Institutional Controls (aka US IC, Institutional Controls, Land Use Controls) Federal Institutional/Engineering Controls		Click Here	None Found
Hist-UST-AZ	Historical UST Tank Listing	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Vehicle- Parts	Historical Vehicle Parts	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Vehicle- Washing	Historical Vehicle/Truck Washing Facilities	ERS Exclusive Historic Sources	Click Here	None Found



ABREVIATION	DATABASE FULLNAME DATABASE CATEGO		DATABASE DETAILS LINK	TOTAL LISTINGS
Hist- WaterWells-US	Historical Public Community Water Supply/Well Head Protection Database		Click Here	None Found
HMIS-US	Hazardous Materials Information System	Federal Emergency Release Reports	Click Here	None Found
ICIS-Air-US	Integrated Compliance Information System for Air	ERS Supplemental Govt Sources	Click Here	None Found
ICIS-FEC-US	Integrated Compliance Information System for Federal Enforcement Data	ERS Supplemental Govt Sources	Click Here	None Found
ICIS-NPDES- US	National Pollutant Discharge Elimination System (NPDES)	ERS Supplemental Govt Sources	Click Here	None Found
Lead-Smelter- 2-US	Historical Lead Smelter Sites	ERS Supplemental Govt Sources	Click Here	None Found
Lead-US	Lead Smelter Sites	ERS Supplemental Govt Sources	Click Here	None Found
LF-FedState- AZ	Federal Owned Landfills, Pima County	State/Tribal Solid Waste	Click Here	None Found
LF-Pima-AZ	Pima County and City of Tucson Landfills	State/Tribal Solid Waste	Click Here	None Found
LIENS-US	Superfund Liens	Federal Institutional/Engineering Controls	Click Here	None Found
LMOP-US	Landfill Methane Outreach Program	ERS Supplemental Govt Sources	Click Here	None Found
LUST-Closed- AZ	Leaking Underground Storage Tank (LUST) Database, Closed Cases	State/Tribal LUST	Click Here	None Found
LUST-Open- AZ	Leaking Underground Storage Tank (LUST) Database, Open Cases	State/Tribal LUST	Click Here	None Found
LUST- Suspected-AZ	Leaking Underground Storage Tanks, Suspected Cases	State/Tribal LUST	Click Here	None Found
Military-Bases- US	Military Base Boundaries	ERS Supplemental Govt Sources	Click Here	None Found
Mines-AZ	Arizona Mines	ERS Supplemental Govt Sources	Click Here	None Found
MINES-US	Mines Master Index File	ERS Supplemental Govt Sources	Click Here	None Found
MLTS-US	Material Licensing Tracking System	ERS Supplemental Govt Sources	Click Here	None Found
MRDS-US	Mineral Resources Data System (MRDS)	ERS Supplemental Govt Sources	Click Here	2
NPDES-AZ	National Pollutant Discharge Elimination System (NPDES)	ERS Supplemental Govt Sources	Click Here	None Found



ABREVIATION	DATABASE FULLNAME DATABASE CATEGORY		DATABASE DETAILS LINK	TOTAL LISTINGS
NPL-R9-US	NPL Region 9 Site Boundaries	NPL Region 9 Site Boundaries Federal NPL		None Found
NPL-US	National Priorities List	Federal NPL	Click Here	None Found
OGW-AZ	Arizona Oil and Gas Wells	ERS Supplemental Govt Sources	Click Here	None Found
Oil-Centers-AZ	Used Oil Collection Centers	State/Tribal ASTM Other Med	Click Here	None Found
PADS-US	PCB Registration Database System	Federal ASTM Other	Click Here	None Found
PCB-US	PCB Transformers	Federal ASTM Other	Click Here	None Found
PCS-US	Historical Permit Compliance System for Clean Water Act	ERS Supplemental Govt Sources	Click Here	None Found
Proposed-NPL- US	Proposed NPL Sites	Federal NPL	Click Here	None Found
RADINFO-US	Radiation Information Database	ERS Supplemental Govt Sources	Click Here	None Found
RCRA- CESQG-US	Resource Conservation and Recovery Act, Conditionally Exempt Small Quantity Generators (aka RCRA CESQG)	Federal RCRA Generators	Click Here	None Found
RCRA-COR- US	Resource Conservation and Recovery Act, - Corrective Actions (aka RCRA CORRACTS)	Federal RCRA CORRACTS	Click Here	None Found
RCRA-LQG- US	Resource Conservation and Recovery Act, Large Quantity Generators (aka RCRA LQG)	Federal RCRA Generators	Click Here	None Found
RCRA-NON- US	Resource Conservation and Recovery Act, Non-Hazardous Generators (aka RCRA Non-Haz, RCRA NonGen, RCRA No longer Regulated)	Federal RCRA Generators	Click Here	None Found
RCRA-SQG- US	Resource Conservation and Recovery Act, Small Quantity Generators (aka RCRA SQG)	Federal RCRA Generators	Click Here	None Found
RCRA-TSDF- US	Resource Conservation and Recovery Act -, Treatment, Storage, and Disposal Facilities (aka RCRA TSD, RCRA TSDF)	Federal RCRA non- CORRACTS TSD	Click Here	None Found
RemOther- Closed-AZ	Remediation and Declaration of Environmental Use Restriction (DEUR) Search, Other Remediation Sites, Closed Cases	State/Tribal ASTM Other Low	Click Here	None Found
RemOther- Open-AZ	Remediation and Declaration of Environmental Use Restriction (DEUR) Search, Other Remediation Sites, Open Cases	State/Tribal ASTM Other High	Click Here	None Found



ABREVIATION	DATABASE FULLNAME DATABASE CATEGORY		DATABASE DETAILS LINK	TOTAL LISTINGS
RFG-Lab-US	Reformulated Gasoline (RFG)	ERS Supplemental Govt Sources	Click Here	None Found
RMP-US	Risk Management Plans	ERS Supplemental Govt Sources	Click Here	None Found
ROD-US	Records of Decision	ERS Supplemental Govt Sources	Click Here	None Found
SAA- Agreements- US	Sites with Superfund Alternative Approach Agreements	Federal ASTM Other	Click Here	None Found
SDWIS-US	Safe Drinking Water Information System	ERS Supplemental Govt Sources	Click Here	None Found
SSTS-US	Section 7 Tracking System	ERS Supplemental Govt Sources	Click Here	None Found
SWF-AZ	Active Municipal Solid Waste Landfills (aka Directory of Solid Waste Facilities)	State/Tribal Landfill/Solid Waste	Click Here	None Found
SWF-Closed- AZ	Closed Solid Waste Facilities	State/Tribal Landfill/Solid Waste	Click Here	None Found
SWLF-US	Solid Waste Facilities	Federal Solid Waste	Click Here	None Found
SWT-AZ	Special Waste Transporter List	ERS Supplemental Govt Sources	Click Here	None Found
Transfer-AZ	Arizona Solid Waste Transfer Stations	State/Tribal Landfill/Solid Waste	Click Here	None Found
Tribal-Air-US	Tribal Air Permitted Facilities	ERS Supplemental Govt Sources	Click Here	None Found
Tribal-LUST- Closed-Reg9	Tribal Leaking Underground Storage Tanks, Region 9 (aka Indian Lust)	Federal LUST	Click Here	None Found
Tribal-LUST- Open-Reg9	Tribal Leaking Underground Storage Tanks , Region 9 (aka Indian Lust)	Federal LUST	Click Here	None Found
Tribal-ODI-US	Tribal Open Dump Sites	Federal Solid Waste	Click Here	None Found
Tribal-UST- Reg9	Tribal Underground Storage Tanks (aka Tribal UST)	Federal UST	Click Here	None Found
Tribal-VCP-US	Tribal VCP	Federal Tribal VCP	Click Here	None Found
TRIS2000-US	Historical Toxics Release Inventory System	ERS Supplemental Govt Sources	Click Here	None Found
TRIS2010-US	Toxics Release Inventory System	ERS Supplemental Govt Sources	Click Here	None Found
TRIS80-US	Historical Toxics Release Inventory System	ERS Supplemental Govt Sources	Click Here	None Found
TRIS90-US	Historical Toxics Release Inventory System	ERS Supplemental Govt Sources	Click Here	None Found



ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
TSCA-US	Toxics Substance Control Sites	ERS Supplemental Govt Sources	Click Here	None Found
UIC-AZ	Underground Injection Control Wells	ERS Supplemental Govt Sources	Click Here	None Found
UMTRA-US	Historical Uranium Mill Tailings Remedial Action Sites	ERS Supplemental Govt Sources	Click Here	None Found
USGS- Waterwells-US	Ground Water Site Inventory	ERS Supplemental Govt Sources	Click Here	None Found
UST-AZ	Storage Tank Facility Data, USTs (aka Underground Storage Tank Listing)	State/Tribal UST	Click Here	None Found
Vapor- Intrusions-US	Vapor Intrusion Database	ERS Supplemental Govt Sources	Click Here	None Found
VCP-Closed- AZ	Voluntary Remediation Program Sites, Closed Cases	State/Tribal Voluntary Cleanup Sites	Click Here	None Found
VCP-Open-AZ	Voluntary Remediation Program Sites, Open Cases	State/Tribal Voluntary Cleanup Sites	Click Here	None Found
VCP-Other-AZ	Voluntary Remediation Program Sites	State/Tribal Voluntary Cleanup Sites	Click Here	None Found
Waste-tire-AZ	Waste Tire Sites	ERS Supplemental Govt Sources	Click Here	None Found
Wells-AZ	Arizona Wells	ERS Supplemental Govt Sources	Click Here	None Found
WQARF-AZ	Water Quality Assurance Revolving Fund (WQARF) Sites	State/Tribal NPL	Click Here	None Found



UN-MAPPABLE OCCURRENCES

The following occurrences were not mapped primarily due to incomplete or inaccurate address information. All of the following occurrences were determined to share the same zip code as the area searched. General status information is given with each occurrence along with any address information entered by the agency responsible for the list.

ID	Facility Name	Address	Database	Status
No "un-mapped" sites requested.				



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RecCheck Area Report Results

The Standard for ASTM/AAI Radius Searches (One Mile Environmental Records Search, Exceeds ASTM 1527/1528 and EPA All Appropriate Inquiry)



Site Location: Parcels 105-15-0030 And 105-15-00040 Pinal County, AZ 85173 (N 33-16-30, W 111-4-15) NAD83 Client:

WestLand Resources, Inc.



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EXECUTIVE SUMMARY

INFORMATION ON THE REQUESTED LOCATION

Site Address:	Parcels 105-15-0030 And 105-15-00040 Pinal County, AZ 85173
Client Project Name/Number:	Apache Leap South- Part 2 807.211
Coordinates:	N 33-16-30, W 111-4-15 (NAD 83) 33.2750204243917, -111.070752534017
Date of Report	June 17, 2020
ERS Project Number:	2104724019
Subject Site Listed on the following lists:	Mines-AZ,MRDS-US
Subject Site Listed as Map ID#:	Multiple Map IDs
USGS 7.5 Minute Quad Map:	Superior (2014-11-20)
Subject Site Located within a Potential Area of Concern:	No
Township, Section and Range:	Township: 02S Range: 12E Section: 012
Site Elevation: (feet above or below (-) mean sea level)	Approximately 4414 ft near the center of the area.
Flood Zone: (FEMA Q3 Digital Data)	Panel: 04021C0290E, Effective Date: 12/4/2007 Zone X - Area of minimal flood hazard, usually depicted on FIRMs as above the 500- year flood level.
Fire Insurance Map Coverage:	No
Radon Information:	EPA Radon Zone: 2 (Predicted avg for county: 2 to 4 pCi/L)
Search Radius Expansion Size: (In Miles)	0
Soil Type: (USDA Soil Survey Geographic Database) (SSURGO)	Rock outcrop-Woodcutter complex, tuff, 15 to 50 percent slopes Map Unit Type: Complex Hydric: No Drainage Class: Well drained General Information: Loamy-skeletal, mixed, superactive, thermic Aridic Lithic Argiustolls

800-377-2430



Zip Codes Searched for "Un-Mappable" Sites:	Not Researched
Occurrence Count:	6



SUMMARY OF OCCURRENCES

MAP ID	ID/SITE NAME	ADDRESS	DATABASE	STATUS	DISTANCE (MILES)	ELEV DIFF (FEET)
<u>1</u> Maps: <u>1</u> , <u>4</u>	6479 DAGGS GROUP	Not Reported by Agency	Mines-AZ	Listed	Subject Site	N/A
2 Maps: <u>1</u> , <u>4</u>	10113245 Daggs Group	Not Reported by Agency	MRDS-US	Listed	Subject Site	N/A
<u>3</u> Maps: <u>1</u> , <u>4</u>	10048317 Grand Pacific Mine	Not Reported by Agency	MRDS-US	Listed	0.16 S	N/A
<u>4</u> Maps: <u>1</u> , <u>4</u>	10283301 Grand Pacific	Not Reported by Agency	MRDS-US	Listed	0.16 S	N/A
<u>5</u> Maps: <u>1</u> , <u>4</u>	10210657 Belmont Copper Property	Not Reported by Agency	MRDS-US	Listed	0.17 W	N/A
<u>6</u> Maps: <u>1</u> , <u>4</u>	10088908 Belmont Mine	Not Reported by Agency	MRDS-US	Listed	0.22 W	N/A



POTENTIAL AREAS OF CONCERN/CONTAMINATION SUMMARY

DATABASE SEARCHED	SUBJECT SITE WITHIN POTENTIAL AREA OF CONCERN	AREAS FOUND WITHIN 1- MILE RADIUS
Brownfields-AZ	No	0
Close-WQARF-AZ	No	0
NPL-R9-US	No	0
DOD-AZ	No	0
EpaNPL-AZ	No	0
WQARF-AZ	No	0
Military-Bases-US	No	0
LF-Pima-AZ	No	0
LF-FedState-AZ	No	0

DATABASE OCCURRENCE SUMMARY

HIGH RISK* OCCURRENCES IDENTIFIED IN REQUESTED SEARCH RADIUS									
DATABASE SEARCHED	DISTANCE SEARCHED (MILES)	HIGH RISK OCCURRENCES FOUND							
ASPL-AZ	0.5	0							
BF-Open-AZ	0.5	0							
CERCLIS-US	0.5	0							
LUST-Open-AZ	0.5	0							
NPL-US	1	0							
Proposed-NPL-US	1	0							
RemOther-Open-AZ	0.5	0							
SAA-Agreements-US	1	0							
Tribal-LUST-Open-Reg9	0.5	0							
VCP-Open-AZ	0.5	0							

* For the purposes of this report, "high risk" occurrences are those that have known contamination and have not received a "case closed" or "no further action" status from the agency that maintains the records.

ASTM/AAI STANDARD RECORD SOURCES SUMMARY									
STANDARD ENVIRONMENTAL RECORD SOURCES	ASTM MIN. SEARCH DIST. / ERS SEARCH DIST. (MILES)	ERS DATABASE NAME	TOTAL LISTINGS	MAP ID #'S					
Federal NPL site list	1.0 / 1.0	NPL-US	0	None Listed					
		Proposed-NPL-US	0	None Listed					
Federal Delisted NPL site list	0.5 / 1.0	Delisted-NPL-US	0	None Listed					
Federal CERCLIS list	0.5 / 0.5	CERCLIS-US	0	None Listed					
Federal CERCLIS NFRAP site list	0.5 / 0.5	CERCLIS-Archived- US	0	None Listed					
Federal RCRA CORRACTS facilities list	1.0 / 1.0	RCRA-COR-US	0	None Listed					
Federal RCRA non-CORRACTS	0.5 / 0.5	RCRA-TSDF-US	0	None Listed					
	1	Daga 4		0404704040					

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TSD facilities list				
Federal RCRA generators list	Property and adjoining properties / 0.25	RCRA-CESQG-US	0	None Listed
		RCRA-LQG-US	0	None Listed
		RCRA-NON-US	0	None Listed
		RCRA-SQG-US	0	None Listed
Federal Inst/Eng control registries	Property Only / 0.25	Controls-RCRA-US	0	None Listed
5	2	Controls-US	0	None Listed
		Hist-US-EC	0	None Listed
		Hist-US-IC	0	None Listed
		LIENS-US	0	None Listed
Federal ERNS list	Property Only / 0.0625	ERNS-US	0	None Listed
State and Tribal-Equivalent NPL	1.0 / 1.0	Not Reported by Agency	0	None Listed
State and Tribal-Equivalent CERCLIS	0.5 / 0.5	ASPL-AZ	0	None Listed
		Hist-SS-AZ	0	None Listed
State and Tribal landfill and/or solid waste disposal sites	0.5 / 0.5	Debris-US	0	None Listed
		Hist-Dumps-US	0	None Listed
		SWF-AZ	0	None Listed
		SWF-Closed-AZ	0	None Listed
		SWLF-US	0	None Listed
		Transfer-AZ	0	None Listed
		Tribal-ODI-US	0	None Listed
State and Tribal Leaking Storage Tank Lists	0.5 / 0.5	LUST-Closed-AZ	0	None Listed
		LUST-Open-AZ	0	None Listed
		LUST-Suspected-AZ	0	None Listed
		Tribal-LUST-Closed- Reg9	0	None Listed
		Tribal-LUST-Open- Reg9	0	None Listed
State and Tribal Registered Storage Tank Lists	Property and adjoining properties / 0.25	AST2-AZ	0	None Listed
		AST-AZ	0	None Listed
		FEMA-UST-US	0	None Listed
		Tribal-UST-Reg9	0	None Listed
		UST-AZ	0	None Listed
State and Tribal Inst/Eng Control Registries	Property Only / 0.5	Controls-AZ	0	None Listed
State and Tribal Voluntary Cleanup Sites	0.5 / 0.5	Tribal-VCP-US	0	None Listed
		VCP-Closed-AZ	0	None Listed
		VCP-Open-AZ	0	None Listed
		VCP-Other-AZ	0	None Listed

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State and Tribal Brownfield Sites	0.5 / 0.5	BF-Closed-AZ	0	None Listed
		BF-Open-AZ	0	None Listed
		BF-Tribal-US	0	None Listed

FEDERAL ASTM/AAI DATABASES									
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL		
BF-Tribal-US	0.5	0	0	0	0	-	0		
BF-US	0.5	0	0	0	0	-	0		
CERCLIS-Archived-US	0.5	0	0	0	0	-	0		
CERCLIS-US	0.5	0	0	0	0	-	0		
Controls-RCRA-US	0.5	0	0	0	0	-	0		
Controls-US	0.5	0	0	0	0	-	0		
Debris-US	0.5	0	0	0	0	-	0		
Delisted-NPL-US	1	0	0	0	0	0	0		
ERNS-US	0.0625	0	0	-	-	-	0		
FEMA-UST-US	0.25	0	0	0	-	-	0		
FTTS-ENF-US	0.25	0	0	0	-	-	0		
Hist-Dumps-US	0.5	0	0	0	0	-	0		
Hist-US-EC	0.5	0	0	0	0	-	0		
Hist-US-IC	0.5	0	0	0	0	-	0		
HMIS-US	0.0625	0	0	-	-	-	0		
LIENS-US	0.0625	0	0	-	-	-	0		
NPL-US	1	0	0	0	0	0	0		
PADS-US	0.0625	0	0	-	-	-	0		
PCB-US	0.25	0	0	0	-	-	0		
Proposed-NPL-US	1	0	0	0	0	0	0		
RCRA-CESQG-US	0.25	0	0	0	-	-	0		
RCRA-COR-US	1	0	0	0	0	0	0		
RCRA-LQG-US	0.25	0	0	0	-	-	0		
RCRA-NON-US	0.25	0	0	0	-	-	0		
RCRA-SQG-US	0.25	0	0	0	-	-	0		
RCRA-TSDF-US	0.5	0	0	0	0	-	0		
SAA-Agreements-US	1	0	0	0	0	0	0		
SWLF-US	0.5	0	0	0	0	-	0		
Tribal-LUST-Closed-Reg9	0.5	0	0	0	0	-	0		
Tribal-LUST-Open-Reg9	0.5	0	0	0	0	-	0		
Tribal-ODI-US	0.5	0	0	0	0	-	0		
Tribal-UST-Reg9	0.25	0	0	0	-	-	0		
Tribal-VCP-US	0.5	0	0	0	0	-	0		

STATE ASTM/AAI DATABASES									
DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL			
0.5	0	0	0	0	-	0			
0.25	0	0	0	-	-	0			
0.25	0	0	0	-	-	0			
0.5	0	0	0	0	-	0			
0.5	0	0	0	0	-	0			
0.5	0	0	0	0	-	0			
0.0625	0	0	-	-	-	0			
0.5	0	0	0	0	-	0			
0.5	0	0	0	0	-	0			
0.5	0	0	0	0	-	0			
	SEARCHED 0.5 0.25 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	SEARCHED SITE 0.5 0 0.25 0 0.25 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0 0.5 0	SEARCHED SITE MILES 0.5 0 0 0.25 0 0 0.25 0 0 0.25 0 0 0.5 0 0 0.5 0 0 0.5 0 0 0.5 0 0 0.5 0 0 0.55 0 0 0.55 0 0 0.5 0 0 0.5 0 0 0.5 0 0	SEARCHED SITE MILES MILES 0.5 0 0 0 0.25 0 0 0 0.25 0 0 0 0.25 0 0 0 0.5 0 0 0 0.5 0 0 0 0.5 0 0 0 0.5 0 0 0 0.5 0 0 - 0.5 0 0 - 0.5 0 0 0 0.5 0 0 0 0.5 0 0 0 0.5 0 0 0 0.5 0 0 0	SEARCHED SITE MILES MILES MILES 0.5 0 0 0 0 0.25 0 0 0 - 0.25 0 0 0 - 0.25 0 0 0 - 0.25 0 0 0 - 0.5 0 0 0 0 0.5 0 0 0 0 0.5 0 0 0 0 0.55 0 0 0 0 0.55 0 0 0 0 0.55 0 0 0 0 0.5 0 0 0 0 0.5 0 0 0 0	SEARCHED SITE MILES <			

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STATE ASTM/AAI DATABASES										
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL			
LUST-Suspected-AZ	0.5	0	0	0	0	-	0			
Oil-Centers-AZ	0.5	0	0	0	0	-	0			
RemOther-Closed-AZ	0.5	0	0	0	0	-	0			
RemOther-Open-AZ	0.5	0	0	0	0	-	0			
SWF-AZ	0.5	0	0	0	0	-	0			
SWF-Closed-AZ	0.5	0	0	0	0	-	0			
Transfer-AZ	0.5	0	0	0	0	-	0			
UST-AZ	0.25	0	0	0	-	-	0			
VCP-Closed-AZ	0.5	0	0	0	0	-	0			
VCP-Open-AZ	0.5	0	0	0	0	-	0			
VCP-Other-AZ	0.5	0	0	0	0	-	0			

SUPPLEMENTAL DATABASES									
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL		
Abandoned-Mines-AZ	0.0625	0	0	-	-	-	0		
Air-AZ	0.25	0	0	0	-	-	0		
Allfac-AZ	0.25	0	0	0	-	-	0		
BioFuel-US	0.25	0	0	0	-	-	0		
CDL-AZ	0.0625	0	0	-	-	-	0		
CDL-US	0.0625	0	0	-	-	-	0		
Coal-Ash-AZ	0.5	0	0	0	0	-	0		
Coal-Ash-Dams-US	0.5	0	0	0	0	-	0		
Dams-AZ	0.25	0	0	0	-	-	0		
DryCleaners-AZ	0.25	0	0	0	-	-	0		
DryWell-AZ	0.25	0	0	0	-	-	0		
EGRID-US	0.5	0	0	0	0	-	0		
EPA-Watch-List-US	0.25	0	0	0	-	-	0		
FA-HW-US	0.0625	0	0	-	-	-	0		
FA-UST-AZ	0.0625	0	0	-	-	-	0		
FRS-US	0.0625	0	0	-	-	-	0		
FTTS-INSP-US	0.0625	0	0	-	-	-	0		
FUDS-US	1	0	0	0	0	0	0		
FUSRAP-US	0.25	0	0	0	-	-	0		
Hist-ACIDS-AZ	0.25	0	0	0	-	-	0		
Hist-AFS2-US	0.25	0	0	0	-	-	0		
Hist-AFS-US	0.25	0	0	0	-	-	0		
Hist-AZ	0.0625	0	0	-	-	-	0		
Hist-CERCLIS-NFRAP-US	0.25	0	0	0	-	-	0		
Hist-CERCLIS-US	0.25	0	0	0	-	-	0		
Hist-DryWells-AZ	0.25	0	0	0	-	-	0		
Hist-ERNS-US	0.0625	0	0	-	-	-	0		
Hist-FIFRA-US	0.25	0	0	0	-	-	0		
Hist-FINDS-US	0.0625	0	0	-	-	-	0		
Hist-HML-AZ	0.25	0	0	0	-	-	0		
Hist-LF-AZ	0.25	0	0	0	-	-	0		
Hist-LUST-AZ	0.25	0	0	0	-	-	0		
HIST-MLTS-US	0.25	0	0	0	-	-	0		
Hist-NPL-US	0.25	0	0	0	-	-	0		
Hist-RCRIS-US	0.25	0	0	0	-	-	0		
Hist-Superfund-AZ	0.25	0	0	0	-	-	0		
Hist-TRIS-US	0.25	0	0	0	-	-	0		
Hist-US	0.0625	0	0	-	-	-	0		

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	SUPPLEMENTAL DATABASES									
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL			
Hist-UST-AZ	0.25	0	0	0	-	-	0			
Hist-WaterWells-US	0.0625	0	0	-	-	-	0			
ICIS-Air-US	0.0625	0	0	-	-	-	0			
ICIS-FEC-US	0.0625	0	0	-	-	-	0			
ICIS-NPDES-US	0.0625	0	0	-	-	-	0			
Lead-Smelter-2-US	0.25	0	0	0	-	-	0			
Lead-US	0.25	0	0	0	-	-	0			
LMOP-US	0.5	0	0	0	0	-	0			
Mines-AZ	0.0625	1	0	-	-	-	1			
MINES-US	0.0625	0	0	-	-	-	0			
MLTS-US	0.0625	0	0	-	-	-	0			
MRDS-US	0.25	1	0	4	-	-	5			
NPDES-AZ	0.0625	0	0	-	-	-	0			
OGW-AZ	0.0625	0	0	-	-	-	0			
PCS-US	0.25	0	0	0	-	-	0			
RADINFO-US	0.0625	0	0	-	-	-	0			
RFG-Lab-US	0.25	0	0	0	-	-	0			
RMP-US	0.0625	0	0	-	-	-	0			
ROD-US	0.5	0	0	0	0	-	0			
SDWIS-US	0.25	0	0	0	-	-	0			
SSTS-US	0.0625	0	0	-	-	-	0			
SWT-AZ	0.25	0	0	0	-	-	0			
Tribal-Air-US	0.25	0	0	0	-	-	0			
TRIS2000-US	0.0625	0	0	-	-	-	0			
TRIS2010-US	0.0625	0	0	-	-	-	0			
TRIS80-US	0.0625	0	0	-	-	-	0			
TRIS90-US	0.0625	0	0	-	-	-	0			
TSCA-US	0.0625	0	0	-	-	-	0			
UIC-AZ	0.0625	0	0	-	-	-	0			
UMTRA-US	0.0625	0	0	-	-	-	0			
USGS-Waterwells-US	0.0625	0	0	-	-	-	0			
Vapor-Intrusions-US	0.5	0	0	0	0	-	0			
Waste-tire-AZ	0.5	0	0	0	0	-	0			
Wells-AZ	0.0625	0	0	-	-	-	0			

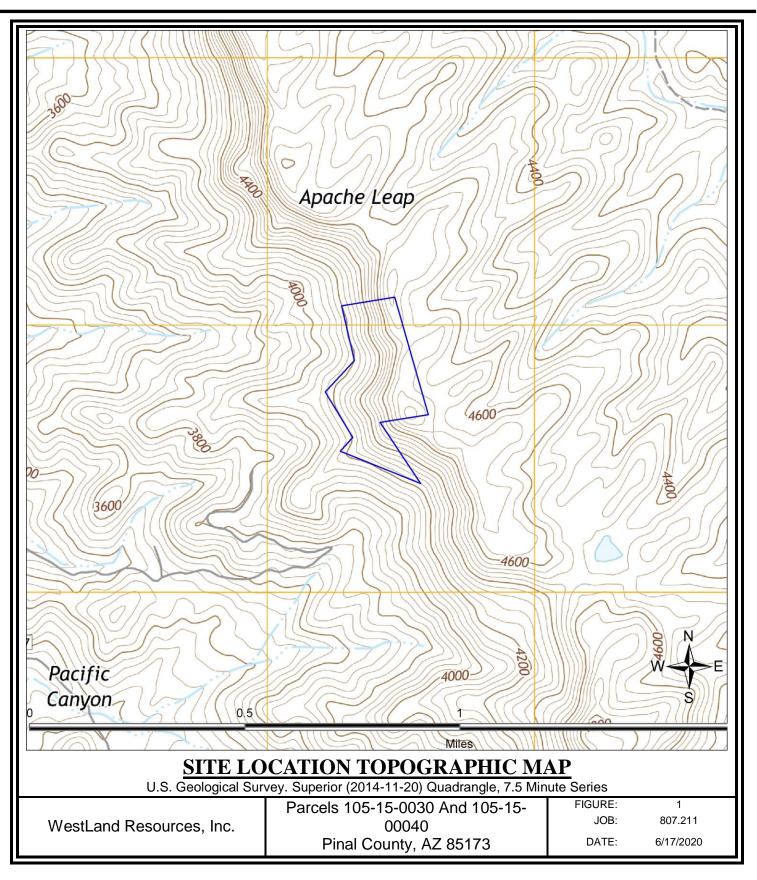
PROPRIETARY HISTORIC DATABASES							
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
Hist-Agriculture	0.0625	0	0	-	-	-	0
Hist-Auto Dealers	0.0625	0	0	-	-	-	0
Hist-Auto Repair	0.25	0	0	0	-	-	0
Hist-Chemical Manufacturing	0.0625	0	0	-	-	-	0
Hist-Chemical-Storage	0.0625	0	0	-	-	-	0
Hist-Cleaners	0.25	0	0	0	-	-	0
Hist-Convenience	0.0625	0	0	-	-	-	0
Hist-Disposal-Recycle	0.0625	0	0	-	-	-	0
Hist-Food-Processors	0.0625	0	0	-	-	-	0
Hist-Gun-Ranges	0.0625	0	0	-	-	-	0
Hist-Machine Shop	0.0625	0	0	-	-	-	0
Hist-Manufacturing	0.0625	0	0	-	-	-	0
Hist-Metal Plating	0.0625	0	0	-	-	-	0
Hist-Mining	0.0625	0	0	-	-	-	0
Hist-Mortuaries	0.0625	0	0	-	-	-	0

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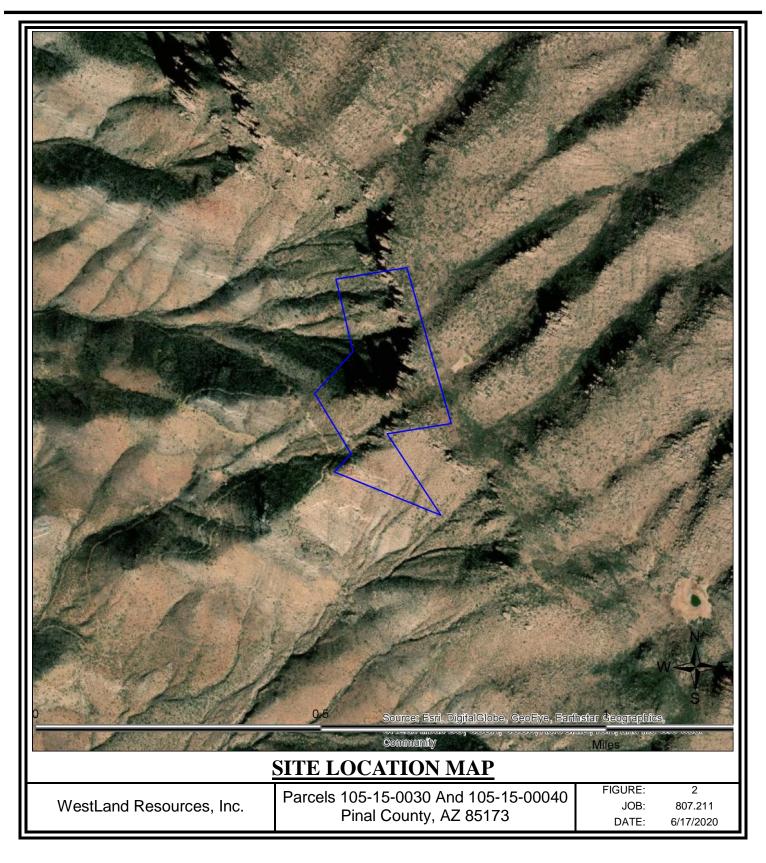


PROPRIETARY HISTORIC DATABASES							
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
Hist-Oil-Gas	0.0625	0	0	-	-	-	0
Hist-OilGas-Refiners	0.0625	0	0	-	-	-	0
Hist-Other	0.0625	0	0	-	-	-	0
Hist-Paint-Stores	0.0625	0	0	-	-	-	0
Hist-Petroleum	0.0625	0	0	-	-	-	0
Hist-Post-Offices	0.0625	0	0	-	-	-	0
Hist-Printers	0.0625	0	0	-	-	-	0
Hist-Rental	0.0625	0	0	-	-	-	0
Hist-RV-Dealers	0.0625	0	0	-	-	-	0
Hist-Salvage	0.0625	0	0	-	-	-	0
Hist-Service Stations	0.25	0	0	0	-	-	0
Hist-Steel-Metals	0.0625	0	0	-	-	-	0
Hist-Textile	0.0625	0	0	-	-	-	0
Hist-Transportation	0.0625	0	0	-	-	-	0
Hist-Trucking	0.0625	0	0	-	-	-	0
Hist-Vehicle-Parts	0.0625	0	0	-	-	-	0
Hist-Vehicle-Washing	0.0625	0	0	-	-	-	0

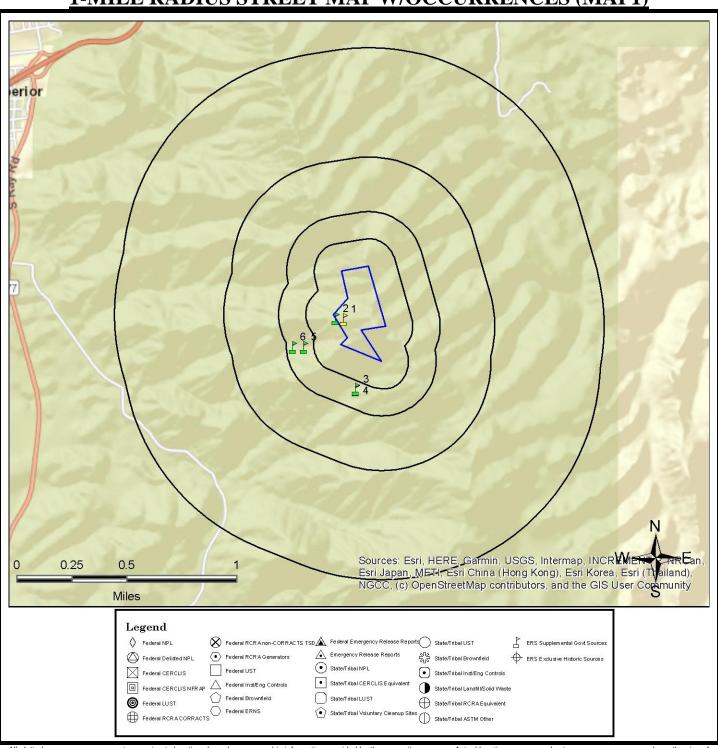










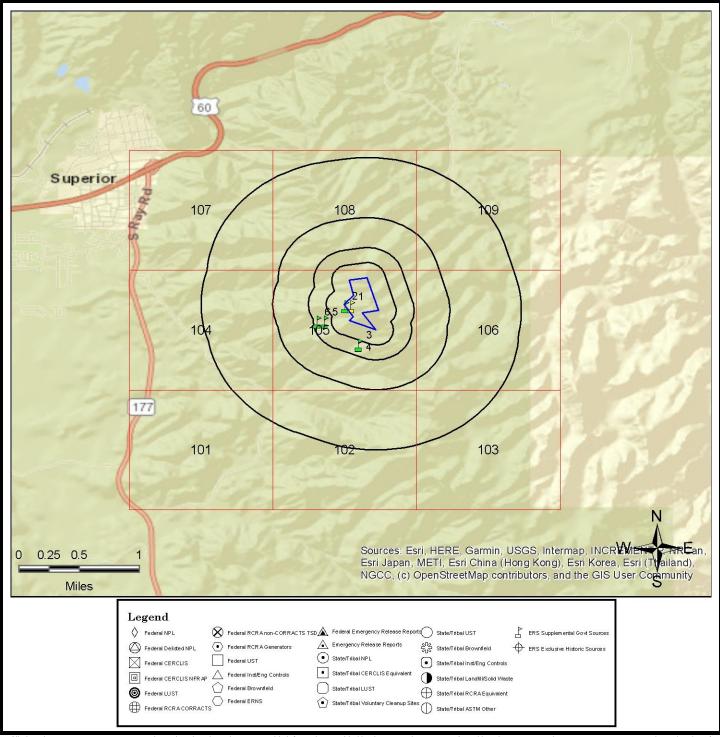


<u>1-MILE RADIUS STREET MAP W/OCCURRENCES (MAP1)</u>

All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

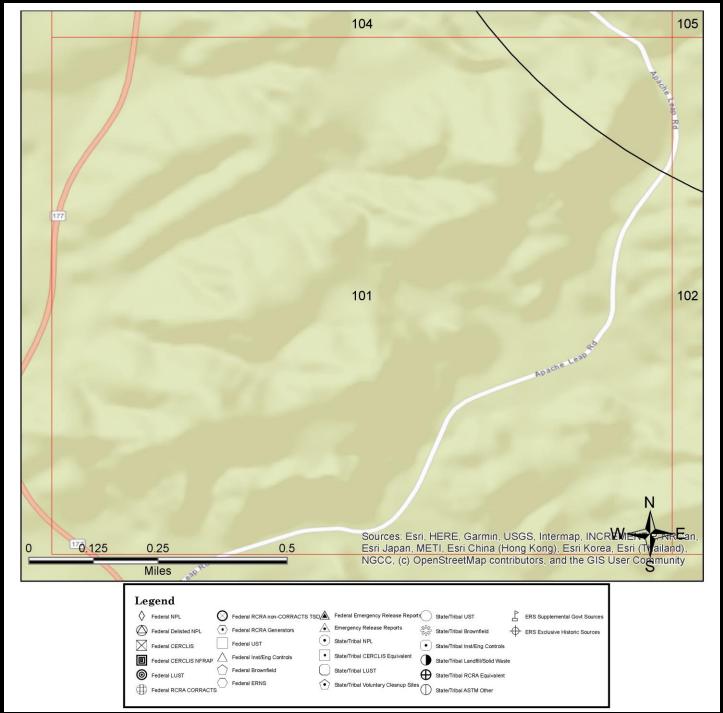


GRID LAYOUT MAP KEY



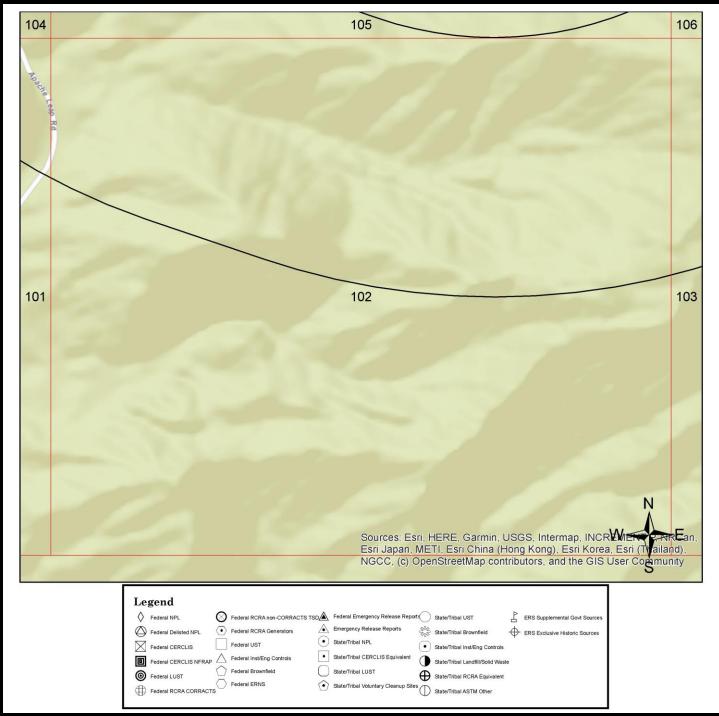
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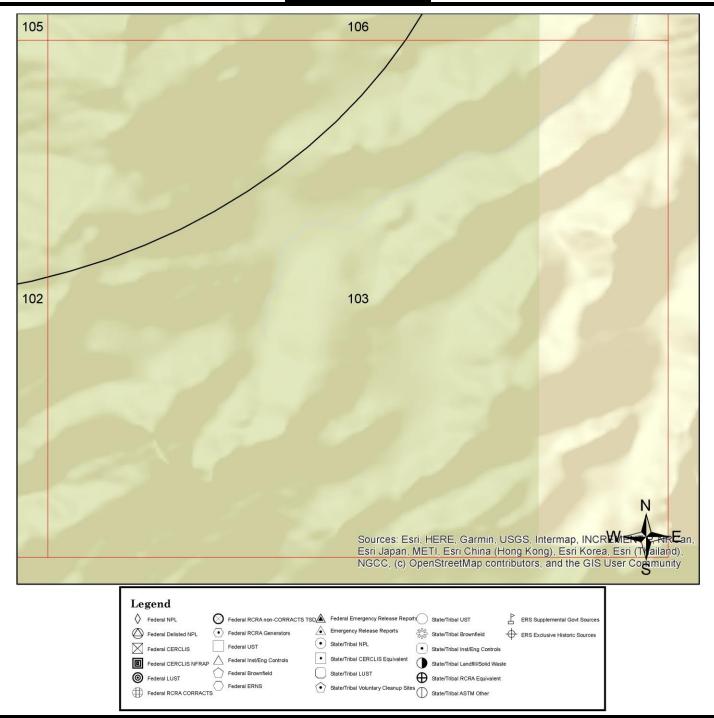
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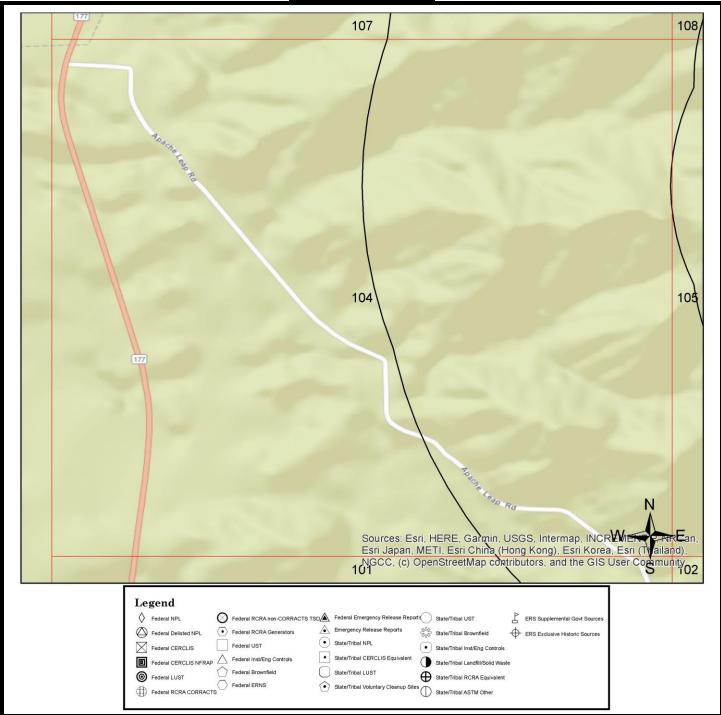
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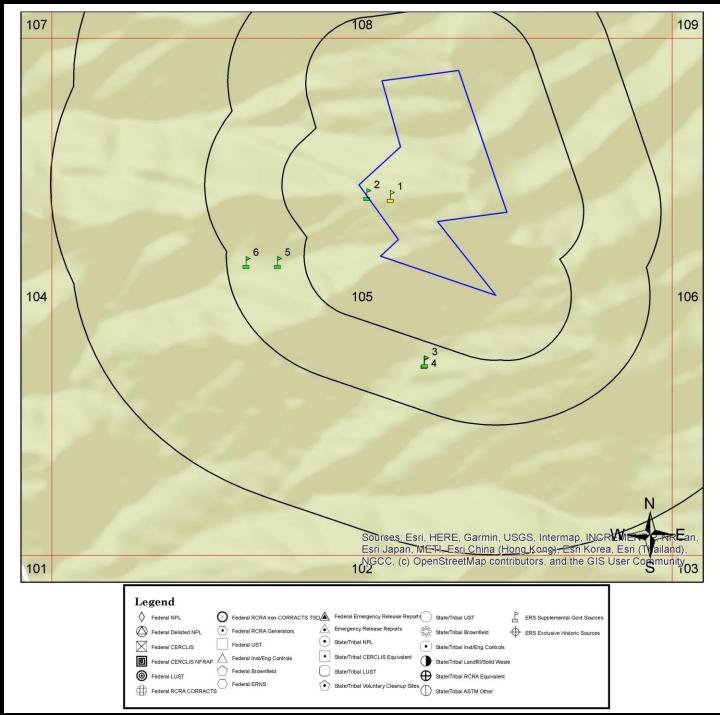
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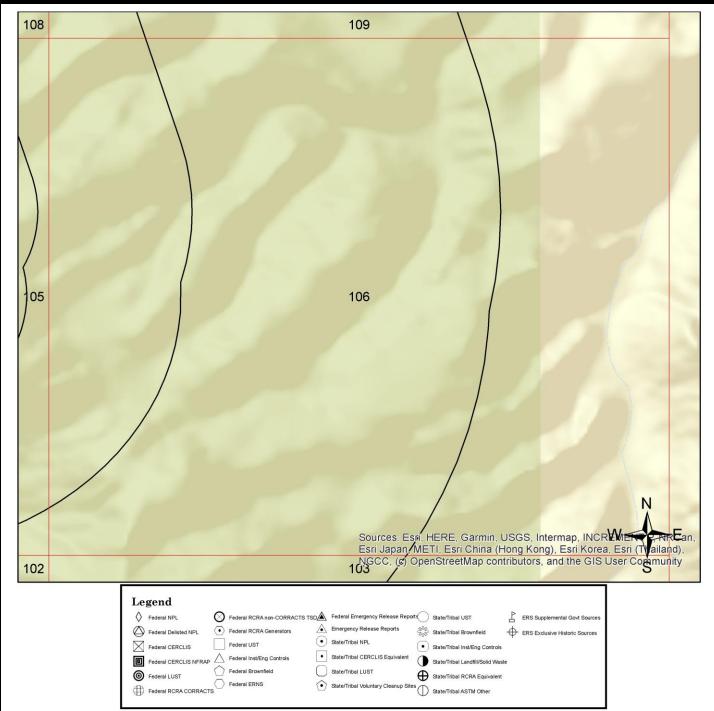
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.





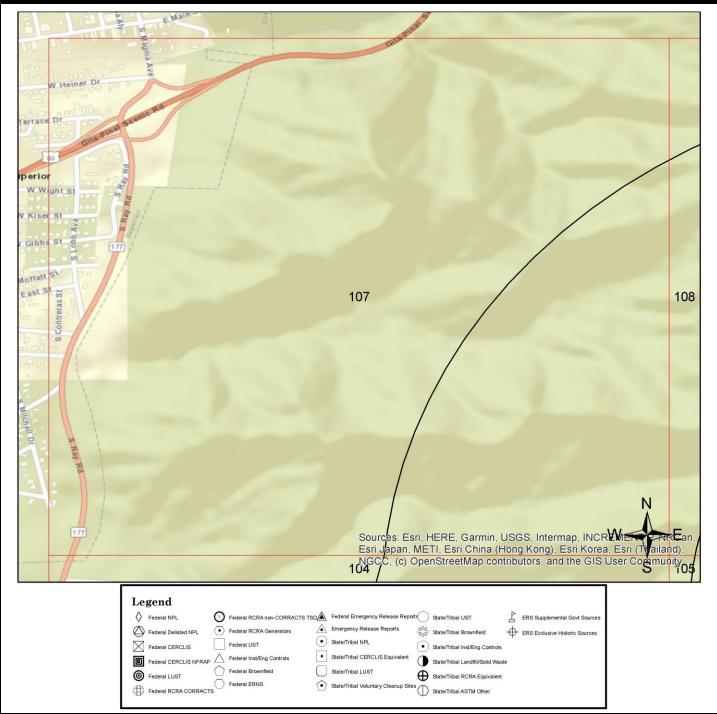
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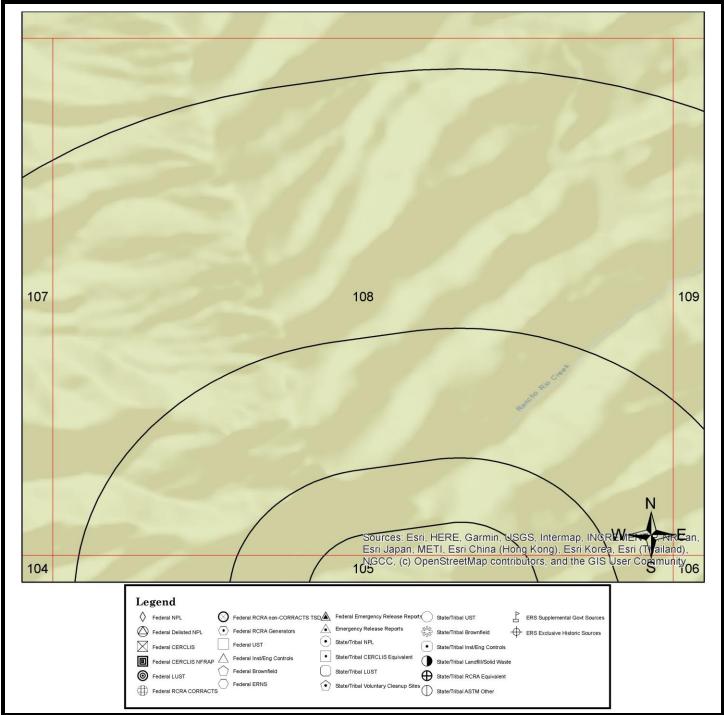
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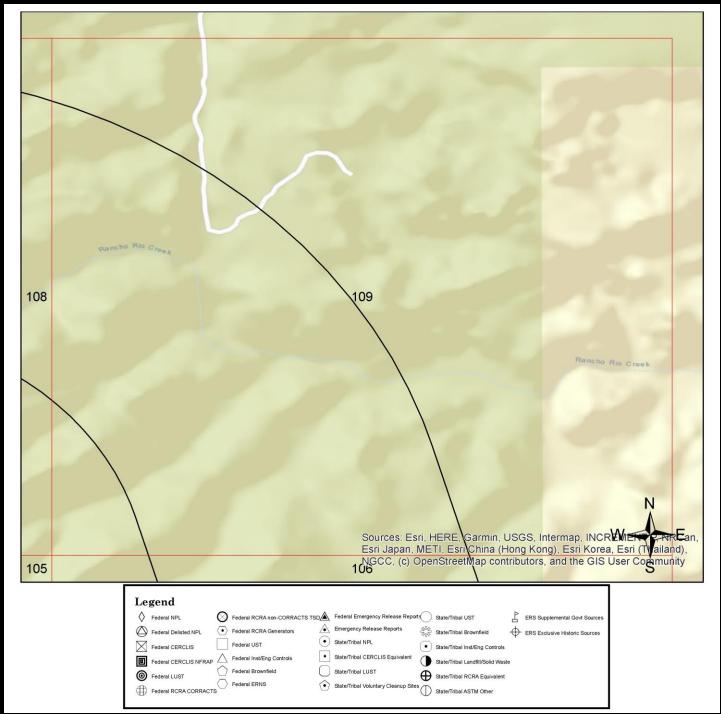
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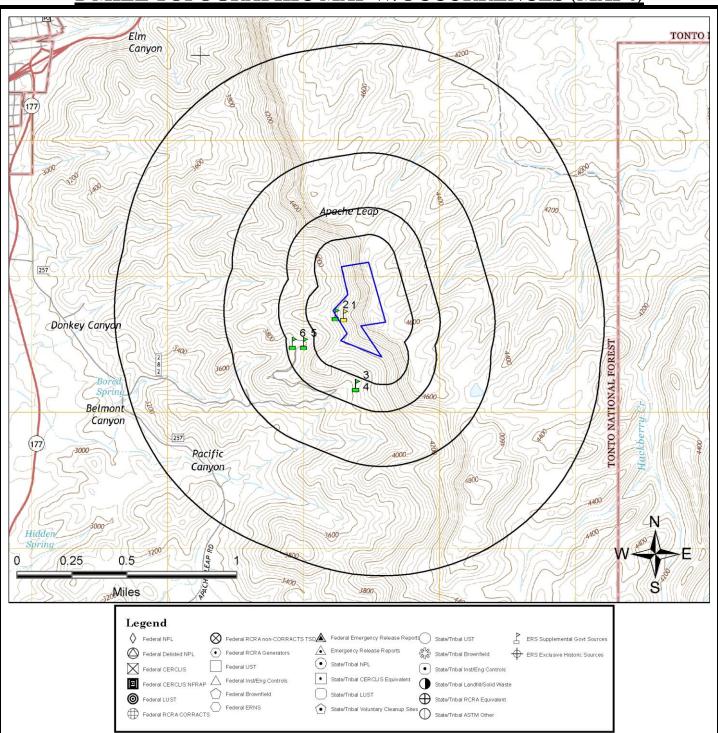




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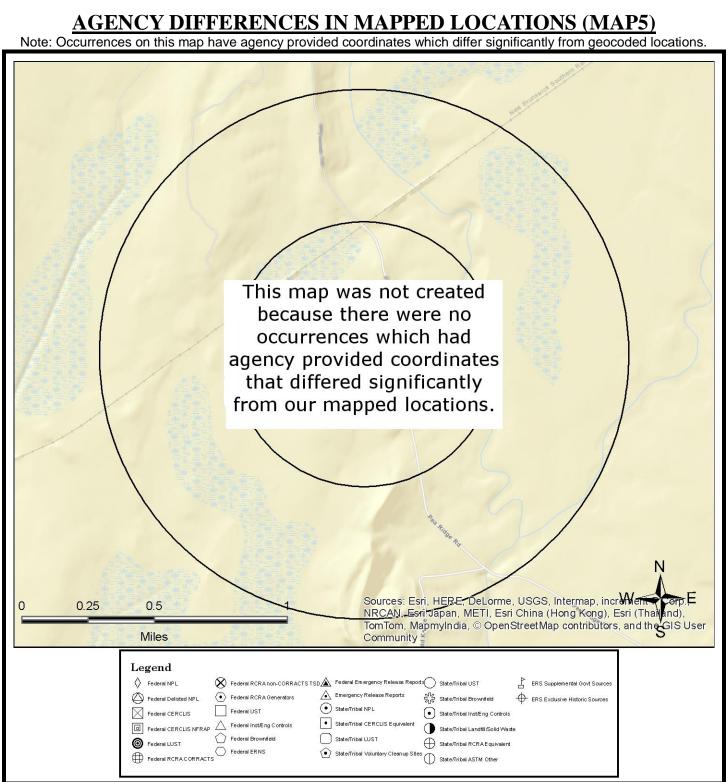


1-MILE TOPOGRAPHIC MAP W/OCCURRENCES (MAP4)

All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

800-377-2430





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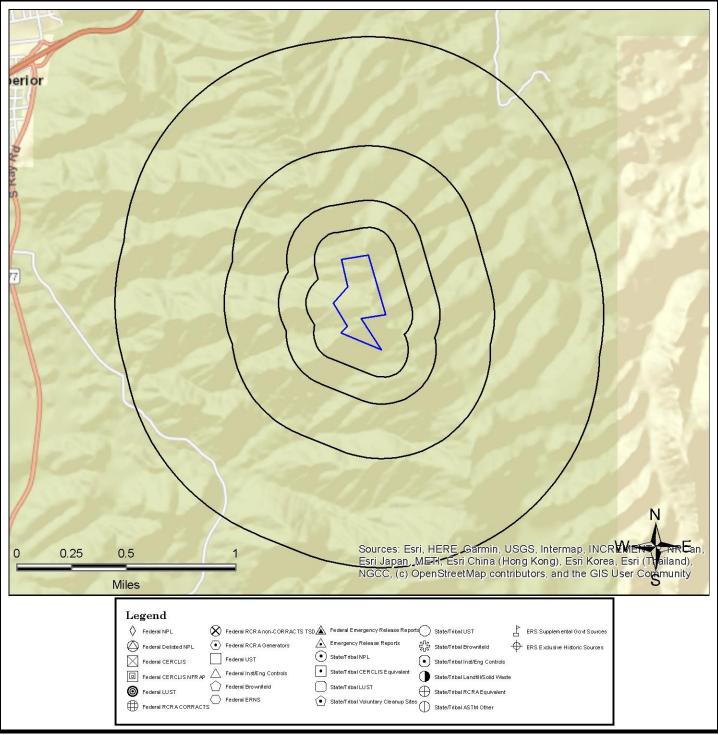
SUMMARY OF AGENCY DIFFERENCES

MAP ID	ID / SITE NAME	ADDRESS / DATABASE	AGENCY COORDINATES	DISTANCE (MILES)	DIRECTION
N/A	No occurrences were identified where the agency provided coordinates that differed significantly from our mapped locations.				



MAPPED AIR PERMITS WITH POTENTIAL DISPERSION (MAP6)

Note: Occurrences on this map are reported in Air Quality databases. Potential air plumes are drawn in the direction of the prevailing wind. No air quality occurrences were identified in the search radius



All plotted occurrences represent approximate locations based on geographic information provided by the respective agency/source. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. Potential air dispersion plumes are depicted to graphically show the direction the size of the property, accuracy of the provided location, accuracy of the solution of the solution (accuracy of the provided location), accuracy of the solution of the solution (accuracy of the provided location), accuracy of the solution (accuracy of the solution) (accuracy of the solut

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LISTED OCCURRENCE DETAILS

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Mines-AZ	Listed	Subject Site	4316 ft	1
	SITE NAME		MAPS	ID
	DAGGS GROUP		<u>1, 4</u>	6479
	ADDRESS		CITY	ZIP
No	ot Reported by Agency			
		DETAILS		
MILSALB_: 6500 MILSALB_ID: 40210285 SEQ: 40210285 COMMODITY: LEAD, IRON, IRON, TYPE: UNDERGROUND STATUS: PAST PRODUCER POR: OREBODY POP: 100M ZONE: 12 NORTHING: 3681522 EASTING: 493299 QUADRANGLE: MESA MAP: SUPERIOR MERIDIAN: GILA & SALT R TOWNSHIP: 002 S RANGE: 012 E SEC: 12 SUBDIVISIO: Not Reported YOD: 0 DISTRICT: Not Reported YOD: 0 DISTRICT: Not Reported CTY_ALB_ID: 3054 STATE_FIPS: 4 CNTY_FIPS: 21 FIPS: 4021 STATE_NAME: Arizona CNTY_NAME: Pinal More Details Link	MOLYBDENUM, VANADIUM			



DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
MRDS-US	Listed	Subject Site	4180 ft	2
	SITE NAME		MAPS	ID
	Daggs Group		<u>1, 4</u>	10113245
	ADDRESS		CITY	ZIP
No	ot Reported by Agency			
		DETAILS		
Mineral Resource Data Systems (M Mineral Resources On-Line Spatial http://mrdata.usgs.gov/mrds/show-m Deposit ID: 10113245 Code List: FE MO Development Status: Past Producer Ages Information : Not Reported Analytical Data Information : Not Reported Comment(s) Information : Not Reported Commodity Information Commodity Code: V Commodity Type: Metallic Commodity Group: Vanadium Commodity Code: FE Commodity Group: Iron Commodity Group: Iron Commodity Code: PB Commodity Name: Lead <u>More Details Link</u>	Data: nrds.php?dep_id=10113245			



DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID		
MRDS-US	Listed	0.16 miles S	3848 ft	3		
	SITE NAME		MAPS	ID		
	Grand Pacific Mine		<u>1, 4</u>	10048317		
	ADDRESS		CITY	ZIP		
Ν	Not Reported by Agency					
		DETAILS		-		
Mineral Resources On-Line Spatia http://mrdata.usgs.gov/mrds/show Deposit ID: 10048317 Code List: CU AG Development Status: Producer						
Ages Information Rock Record ID: Not Reported Age Record ID: 1 Age Type: Mineralization Chronological Age: Not Reported Age Uncertainty: Not Reported Age Determination Method: Not Reported Material Analyzed: Not Reported Young Age Modifier: Not Reported Young Age Code: 1760 Young Age Code: 1760 Old Age Modifier: Not Reported Old Age Code: Not Reported Old Age: Not Reported						
Rock Record ID: 4 Age Record ID: 1 Age Type: Associated Rock Chronological Age: Not Reported						
More Details Link						



DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
MRDS-US	Listed	0.16 miles S	3848 ft	4
	SITE NAME		MAPS	ID
	Grand Pacific		<u>1, 4</u>	10283301
	ADDRESS		CITY	ZIP
Nc	ot Reported by Agency			
		DETAILS		
Mineral Resource Data Systems (M Mineral Resources On-Line Spatial http://mrdata.usgs.gov/mrds/show-m Deposit ID: 10283301 Code List: CU Development Status: Past Producer Ages Information : Not Reported Analytical Data Information : Not Reported Comment(s) Information : Not Reported Commodity Information Commodity Code: CU Commodity Name: Copper Commodity Group: Metallic Commodity Group: Copper Commodity Name: Manganese Commodity Group: Manganese Commodity Group: Manganese Commodity Code: FE Commodity Name: Iron More Details Link	Data: hrds.php?dep_id=10283301			



	STATUS	DISTANCE	ELEVATION	MAP ID
MRDS-US	Listed	0.17 miles W	3796 ft	5
	SITE NAME		MAPS	ID
Ве	Imont Copper Property		<u>1, 4</u>	10210657
	ADDRESS		CITY	ZIP
No	ot Reported by Agency			
		DETAILS		
Mineral Resource Data Systems (M Mineral Resources On-Line Spatial http://mrdata.usgs.gov/mrds/show-r Deposit ID: 10210657 Code List: CU PB Development Status: Past Producer Ages Information : Not Reported Analytical Data Information : Not Reported Comment(s) Information : Not Reported Commodity Information	Data: nrds.php?dep_id=10210657			



DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID		
MRDS-US	Listed	0.22 miles W	3785 ft	6		
	SITE NAME		MAPS	ID		
	Belmont Mine		<u>1, 4</u>	10088908		
	ADDRESS		CITY	ZIP		
Nc	t Reported by Agency					
		DETAILS				
http://mrdata.usgs.gov/mrds/show-n Deposit ID: 10088908 Code List: CU AG MN Development Status: Producer	nrds.php?dep_id=10088908					
Development Status: Producer Ages Information Rock Record ID: Not Reported Age Record ID: 1 Age Type: Mineralization Chronological Age: Not Reported Age Uncertainty: Not Reported Age Uncertainty: Not Reported Age Determination Method: Not Reported Material Analyzed: Not Reported Young Age Modifier: Not Reported Young Age: Paleocene Old Age Modifier: Not Reported Old Age: Not Reported Old Age: Not Reported						
Rock Record ID: 4 Age Record ID: 1 Age Type: Associated Rock Chronological Age: Not Reported						
More Details Link						



RECORDS SOURCES SEARCHED

ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
Abandoned- Mines-AZ	Abandoned Mines	ERS Supplemental Govt Sources	Click Here	None Found
Air-AZ	Arizona Air Permits	ERS Supplemental Govt Sources	Click Here	None Found
Allfac-AZ	Arizona Permits	ERS Supplemental Govt Sources	Click Here	None Found
ASPL-AZ	Arizona Superfund Program List	State/Tribal CERCLIS Equivalent	Click Here	None Found
AST2-AZ	Aboveground Storage Tanks	State/Tribal UST	Click Here	None Found
AST-AZ	Storage Tank Facility Data, ASTs (aka Registered Aboveground Storage Tanks)	State/Tribal UST	Click Here	None Found
BF-Closed-AZ	Brownfields Assistance Program Site List, Open Cases (aka Brownfields Tracking System)	State/Tribal Brownfield	Click Here	None Found
BF-Open-AZ	Brownfields Assistance Program Site List, Closed Cases (aka Brownfields Tracking System)	State/Tribal Brownfield	Click Here	None Found
BF-Tribal-US	Historical Tribal Brownfields	Federal Brownfield	Click Here	None Found
BF-US	Brownfields Sites	Federal Brownfields	Click Here	None Found
BioFuel-US	Bio Diesel Fuel	ERS Supplemental Govt Sources	Click Here	None Found
Brownfields-AZ	Brownfield Site Boundaries	State/Tribal Brownfield	Click Here	None Found
CDL-AZ	Clandestine Drug Labs	ERS Supplemental Govt Sources	Click Here	None Found
CDL-US	National Clandestine Drug Lab Register	ERS Supplemental Govt Sources	Click Here	None Found
CERCLIS- Archived-US	CERCLIS sites that have been archived	Federal CERCLIS NFRAP	Click Here	None Found
CERCLIS-US	Comprehensive Environmental Response, Compensation, and Liability Information System	Federal CERCLIS	Click Here	None Found
Close- WQARF-AZ	Closed Water Quality Assurance Revolving Fund (WQARF) Sites.	State/Tribal NPL	Click Here	None Found
Coal-Ash-AZ	Coal Ash Disposal Sites	ERS Supplemental Govt Sources	Click Here	None Found
Coal-Ash- Dams-US	Coal Ash Contaminated Sites and Hazard Dams	ERS Supplemental Govt Sources	Click Here	None Found



ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
Controls-AZ	Remediation and Declaration of Environmental Use Restriction (DEUR) (aka AUL, Environmental Use Restriction Sites)	State/Tribal Inst/Eng Controls	Click Here	None Found
Controls- RCRA-US	RCRA Institutional and Engineering Controls Summary (aka Federal RCRA with Controls)	Federal Institutional/Engineering Controls	Click Here	None Found
Controls-US	US CERCLA Sites with Controls (aka US IC/EC, Institutional/Engineering List Controls, Land Use Controls)	Federal Institutional/Engineering Controls	Click Here	None Found
Dams-AZ	Arizona Dams	ERS Supplemental Govt Sources	Click Here	None Found
Debris-US	Historical Debris Sites	Federal Solid Waste	Click Here	None Found
Delisted-NPL- US	Delisted NPL Sites	Federal Delisted NPL	Click Here	None Found
DOD-AZ	Department of Defense Sites	ERS Supplemental Govt Sources	Click Here	None Found
DryCleaners- AZ	Dry Cleaner Facilities	ERS Supplemental Govt Sources	Click Here	None Found
DryWell-AZ	DryWells	ERS Supplemental Govt Sources	Click Here	None Found
EGRID-US	Emissions & Generation Resource Facilities	ERS Supplemental Govt Sources	Click Here	None Found
EpaNPL-AZ	Arizona National Priority List	State/Tribal NPL	Click Here	None Found
EPA-Watch- List-US	Historical EPA Watch List	ERS Supplemental Govt Sources	Click Here	None Found
ERNS-US	Emergency Response Notification System	Federal ERNS	Click Here	None Found
FA-HW-US	Financial Assurance, Hazardous Waste	ERS Supplemental Govt Sources	Click Here	None Found
FA-UST-AZ	Financial Assurance for Underground Storage Tanks	ERS Supplemental Govt Sources	Click Here	None Found
FEMA-UST-US	Historical FEMA Underground Storage Tanks	Federal UST	Click Here	None Found
FRS-US	Facility Registry Index (FINDS)	ERS Supplemental Govt Sources	Click Here	None Found
FTTS-ENF-US	Historical FIFRA/TSCA Tracking System (FTTS) Enforcement Actions	Federal ASTM Other	Click Here	None Found
FTTS-INSP-US	Historical FIFRA/TSCA Tracking System (FTTS) Inspections	ERS Supplemental Govt Sources	Click Here	None Found
FUDS-US	Formerly Used Defense Sites	ERS Supplemental Govt Sources	Click Here	None Found



ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
FUSRAP-US	Formerly Utilized Sites Remedial Action Program Sites	ERS Supplemental Govt Sources	Click Here	None Found
Hist-ACIDS-AZ	Historical Cercla Information Data System	ERS Supplemental Govt Sources	Click Here	None Found
Hist-AFS2-US	Historical Air Facility System for Clean Air Act stationary sources	ERS Supplemental Govt Sources	Click Here	None Found
Hist-AFS-US	Historical Air Facility System for Clean Air Act stationary sources	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Agriculture	Historical Ranches/Farms, Livestock/Agriculture	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Auto Dealers	Historical Auto and Truck Dealers	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Auto Repair	Historical Automotive Repair	ERS Exclusive Historic Sources	Click Here	None Found
Hist-AZ	Previously Listed Arizona Sites	ERS Supplemental Govt Sources	Click Here	None Found
Hist-CERCLIS- NFRAP-US	Historical CERCLIS-NFRAP	ERS Supplemental Govt Sources	Click Here	None Found
Hist-CERCLIS- US	Historical CERCLIS Sites	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Chemical Manufacturing	Historical Manufacturing and Distribution of Chemicals, Gases, and/or Solids	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Chemical- Storage	Historical Chemical/Hazardous Use Storage	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Cleaners	Historical Laundry, Cleaners, and Dry Cleaning Services	ERS Exclusive Historic Sources	Click Here	None Found
Hist- Convenience	Historical Convenience Store with Possible Gas	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Disposal- Recycle	Historical Hazardous Disposal/Recycle and Dumps/Waste	ERS Exclusive Historic Sources	Click Here	None Found
Hist-DryWells- AZ	Historical Dry Well Registration List	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Dumps- US	Historical Dumps Inventory of 1985	Federal Solid Waste	Click Here	None Found
Hist-ERNS-US	Historical Emergency Response Notification System (ERNS)	ERS Supplemental Govt Sources	Click Here	None Found
Hist-FIFRA-US	Historical Case Administration Data from National Compliance Database (Federal Insecticide, Fungicide, and Rodenticide Act)	ERS Supplemental Govt Sources	Click Here	None Found



ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
Hist-FINDS-US	Historical Facility Index System	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Food- Processors	Historical Food Processing Manufacturers	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Gun- Ranges	Historical Gun Ranges/Clubs	ERS Exclusive Historic Sources	Click Here	None Found
Hist-HML-AZ	Historical Hazardous Materials Logbook	ERS Supplemental Govt Sources	Click Here	None Found
Hist-LF-AZ	Historical Arizona Landfills	ERS Supplemental Govt Sources	Click Here	None Found
Hist-LUST-AZ	Historical LUST File Listing	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Machine Shop	Historical Machine Shops, Welding, Machine Repair	ERS Exclusive Historic Sources	Click Here	None Found
Hist- Manufacturing	Historical Sources US: Manufacturing	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Metal Plating	Historical Metal Plating	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Mining	Historical Mining Operations	ERS Exclusive Historic Sources	Click Here	None Found
HIST-MLTS- US	Historical Material Licensing Tracking System	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Mortuaries	Historical Crematories/Mortuaries	ERS Exclusive Historic Sources	Click Here	None Found
Hist-NPL-US	Historical National Priority List	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Oil-Gas	Historical Oil and Gas Well Related Facilities	ERS Exclusive Historic Sources	Click Here	None Found
Hist-OilGas- Refiners	Historical Oil/Gas Refiners/Manufacturers/Plants	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Other	Historical Environmental Facilities	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Paint- Stores	Historical Paint Stores	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Petroleum	Historical Petroleum Refining/ Manufacturing/ Chemicals	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Post- Offices	Historical Post Offices	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Printers	Historical Printers and Publishers	ERS Exclusive Historic Sources	Click Here	None Found



ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
Hist-RCRIS-US	Historical EPA's Resource Conservation and Recovery Act	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Rental	Historical Rental Equipment & Yards	ERS Exclusive Historic Sources	Click Here	None Found
Hist-RV- Dealers	Historical Trailer and Recreational Vehicle Dealers	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Salvage	Historical Vehicle Salvage Yards or Wreckers	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Service Stations	Historical Service Stations/Vehicle Fueling	ERS Exclusive Historic Sources	Click Here	None Found
Hist-SPILLS- AZ	Historical Arizona Spills Reported	Emergency Release Reports	Click Here	None Found
Hist-SS-AZ	Historical Superfund Sites	State/Tribal CERCLIS Equivalent	Click Here	None Found
Hist-Steel- Metals	Historical Steel Mills/Manufacturers/Foundries/Smelte rs	ERS Exclusive Historic Sources	Click Here	None Found
Hist- Superfund-AZ	Historical Superfund and WQARF Priorities List	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Textile	Historical Textile Mills/Manufacturers	ERS Exclusive Historic Sources	Click Here	None Found
Hist- Transportation	Historical Transportation Facilities	ERS Exclusive Historic Sources	Click Here	None Found
Hist-TRIS-US	Historical Toxic Release Inventory System	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Trucking	Historical Trucking, Shipping, Delivery, and/or Storage	ERS Exclusive Historic Sources	Click Here	None Found
Hist-US	Historical Previously Listed Federal Sites	ERS Supplemental Govt Sources	Click Here	None Found
Hist-US-EC	Historical Engineering Controls Sites (aka US EC, Engineering Controls, Land Use Controls)	Federal Institutional/Engineering Controls	Click Here	None Found
Hist-US-IC	Historical Sites with Institutional Controls (aka US IC, Institutional Controls, Land Use Controls)	Federal Institutional/Engineering Controls	Click Here	None Found
Hist-UST-AZ	Historical UST Tank Listing	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Vehicle- Parts	Historical Vehicle Parts	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Vehicle- Washing	Historical Vehicle/Truck Washing Facilities	ERS Exclusive Historic Sources	Click Here	None Found



ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
Hist- WaterWells-US	Historical Public Community Water Supply/Well Head Protection Database	ERS Supplemental Govt Sources	Click Here	None Found
HMIS-US	Hazardous Materials Information System	Federal Emergency Release Reports	Click Here	None Found
ICIS-Air-US	Integrated Compliance Information System for Air	ERS Supplemental Govt Sources	Click Here	None Found
ICIS-FEC-US	Integrated Compliance Information System for Federal Enforcement Data	ERS Supplemental Govt Sources	Click Here	None Found
ICIS-NPDES- US	National Pollutant Discharge Elimination System (NPDES)	ERS Supplemental Govt Sources	Click Here	None Found
Lead-Smelter- 2-US	Historical Lead Smelter Sites	ERS Supplemental Govt Sources	Click Here	None Found
Lead-US	Lead Smelter Sites	ERS Supplemental Govt Sources	Click Here	None Found
LF-FedState- AZ	Federal Owned Landfills, Pima County	State/Tribal Solid Waste	Click Here	None Found
LF-Pima-AZ	Pima County and City of Tucson Landfills	State/Tribal Solid Waste	Click Here	None Found
LIENS-US	Superfund Liens	Federal Institutional/Engineering Controls	Click Here	None Found
LMOP-US	Landfill Methane Outreach Program	ERS Supplemental Govt Sources	Click Here	None Found
LUST-Closed- AZ	Leaking Underground Storage Tank (LUST) Database, Closed Cases	State/Tribal LUST	Click Here	None Found
LUST-Open- AZ	Leaking Underground Storage Tank (LUST) Database, Open Cases	State/Tribal LUST	Click Here	None Found
LUST- Suspected-AZ	Leaking Underground Storage Tanks, Suspected Cases	State/Tribal LUST	Click Here	None Found
Military-Bases- US	Military Base Boundaries	ERS Supplemental Govt Sources	Click Here	None Found
Mines-AZ	Arizona Mines	ERS Supplemental Govt Sources	Click Here	1
MINES-US	Mines Master Index File	ERS Supplemental Govt Sources	Click Here	None Found
MLTS-US	Material Licensing Tracking System	ERS Supplemental Govt Sources	Click Here	None Found
MRDS-US	Mineral Resources Data System (MRDS)	ERS Supplemental Govt Sources	Click Here	5
NPDES-AZ	National Pollutant Discharge Elimination System (NPDES)	ERS Supplemental Govt Sources	Click Here	None Found



ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
NPL-R9-US	NPL Region 9 Site Boundaries	Federal NPL	Click Here	None Found
NPL-US	National Priorities List	Federal NPL	Click Here	None Found
OGW-AZ	Arizona Oil and Gas Wells	ERS Supplemental Govt Sources	Click Here	None Found
Oil-Centers-AZ	Used Oil Collection Centers	State/Tribal ASTM Other Med	Click Here	None Found
PADS-US	PCB Registration Database System	Federal ASTM Other	Click Here	None Found
PCB-US	PCB Transformers	Federal ASTM Other	Click Here	None Found
PCS-US	Historical Permit Compliance System for Clean Water Act	ERS Supplemental Govt Sources	Click Here	None Found
Proposed-NPL- US	Proposed NPL Sites	Federal NPL	Click Here	None Found
RADINFO-US	Radiation Information Database	ERS Supplemental Govt Sources	Click Here	None Found
RCRA- CESQG-US	Resource Conservation and Recovery Act, Conditionally Exempt Small Quantity Generators (aka RCRA CESQG)	Federal RCRA Generators	Click Here	None Found
RCRA-COR- US	Resource Conservation and Recovery Act, - Corrective Actions (aka RCRA CORRACTS)	Federal RCRA CORRACTS	Click Here	None Found
RCRA-LQG- US	Resource Conservation and Recovery Act, Large Quantity Generators (aka RCRA LQG)	Federal RCRA Generators	Click Here	None Found
RCRA-NON- US	Resource Conservation and Recovery Act, Non-Hazardous Generators (aka RCRA Non-Haz, RCRA NonGen, RCRA No longer Regulated)	Federal RCRA Generators	Click Here	None Found
RCRA-SQG- US	Resource Conservation and Recovery Act, Small Quantity Generators (aka RCRA SQG)	Federal RCRA Generators	Click Here	None Found
RCRA-TSDF- US	Resource Conservation and Recovery Act -, Treatment, Storage, and Disposal Facilities (aka RCRA TSD, RCRA TSDF)	Federal RCRA non- CORRACTS TSD	Click Here	None Found
RemOther- Closed-AZ	Remediation and Declaration of Environmental Use Restriction (DEUR) Search, Other Remediation Sites, Closed Cases	State/Tribal ASTM Other Low	Click Here	None Found
RemOther- Open-AZ	Remediation and Declaration of Environmental Use Restriction (DEUR) Search, Other Remediation Sites, Open Cases	State/Tribal ASTM Other High	Click Here	None Found



ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
RFG-Lab-US	Reformulated Gasoline (RFG)	ERS Supplemental Govt Sources	Click Here	None Found
RMP-US	Risk Management Plans	ERS Supplemental Govt Sources	Click Here	None Found
ROD-US	Records of Decision	ERS Supplemental Govt Sources	Click Here	None Found
SAA- Agreements- US	Sites with Superfund Alternative Approach Agreements	Federal ASTM Other	Click Here	None Found
SDWIS-US	Safe Drinking Water Information System	ERS Supplemental Govt Sources	Click Here	None Found
SSTS-US	Section 7 Tracking System	ERS Supplemental Govt Sources	Click Here	None Found
SWF-AZ	Active Municipal Solid Waste Landfills (aka Directory of Solid Waste Facilities)	State/Tribal Landfill/Solid Waste	Click Here	None Found
SWF-Closed- AZ	Closed Solid Waste Facilities	State/Tribal Landfill/Solid Waste	Click Here	None Found
SWLF-US	Solid Waste Facilities	Federal Solid Waste	Click Here	None Found
SWT-AZ	Special Waste Transporter List	ERS Supplemental Govt Sources	Click Here	None Found
Transfer-AZ	Arizona Solid Waste Transfer Stations	State/Tribal Landfill/Solid Waste	Click Here	None Found
Tribal-Air-US	Tribal Air Permitted Facilities	ERS Supplemental Govt Sources	Click Here	None Found
Tribal-LUST- Closed-Reg9	Tribal Leaking Underground Storage Tanks, Region 9 (aka Indian Lust)	Federal LUST	Click Here	None Found
Tribal-LUST- Open-Reg9	Tribal Leaking Underground Storage Tanks , Region 9 (aka Indian Lust)	Federal LUST	Click Here	None Found
Tribal-ODI-US	Tribal Open Dump Sites	Federal Solid Waste	Click Here	None Found
Tribal-UST- Reg9	Tribal Underground Storage Tanks (aka Tribal UST)	Federal UST	Click Here	None Found
Tribal-VCP-US	Tribal VCP	Federal Tribal VCP	Click Here	None Found
TRIS2000-US	Historical Toxics Release Inventory System	ERS Supplemental Govt Sources	Click Here	None Found
TRIS2010-US	Toxics Release Inventory System	ERS Supplemental Govt Sources	Click Here	None Found
TRIS80-US	Historical Toxics Release Inventory System	ERS Supplemental Govt Sources	Click Here	None Found
TRIS90-US	Historical Toxics Release Inventory System	ERS Supplemental Govt Sources	Click Here	None Found



ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
TSCA-US	Toxics Substance Control Sites	ERS Supplemental Govt Sources	Click Here	None Found
UIC-AZ	Underground Injection Control Wells	ERS Supplemental Govt Sources	Click Here	None Found
UMTRA-US	Historical Uranium Mill Tailings Remedial Action Sites	ERS Supplemental Govt Sources	Click Here	None Found
USGS- Waterwells-US	Ground Water Site Inventory	ERS Supplemental Govt Sources	Click Here	None Found
UST-AZ	Storage Tank Facility Data, USTs (aka Underground Storage Tank Listing)	State/Tribal UST	Click Here	None Found
Vapor- Intrusions-US	Vapor Intrusion Database	ERS Supplemental Govt Sources	Click Here	None Found
VCP-Closed- AZ	Voluntary Remediation Program Sites, Closed Cases	State/Tribal Voluntary Cleanup Sites	Click Here	None Found
VCP-Open-AZ	Voluntary Remediation Program Sites, Open Cases	State/Tribal Voluntary Cleanup Sites	Click Here	None Found
VCP-Other-AZ	Voluntary Remediation Program Sites	State/Tribal Voluntary Cleanup Sites	Click Here	None Found
Waste-tire-AZ	Waste Tire Sites	ERS Supplemental Govt Sources	Click Here	None Found
Wells-AZ	Arizona Wells	ERS Supplemental Govt Sources	Click Here	None Found
WQARF-AZ	Water Quality Assurance Revolving Fund (WQARF) Sites	State/Tribal NPL	Click Here	None Found



UN-MAPPABLE OCCURRENCES

The following occurrences were not mapped primarily due to incomplete or inaccurate address information. All of the following occurrences were determined to share the same zip code as the area searched. General status information is given with each occurrence along with any address information entered by the agency responsible for the list.

ID	Facility Name	Address	Database	Status
No "un-mapped" sites requested.				



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RecCheck Area Report Results

The Standard for ASTM/AAI Radius Searches (One Mile Environmental Records Search, Exceeds ASTM 1527/1528 and EPA All Appropriate Inquiry)



Site Location: Parcels 105-15-0030 And 105-15-0040 Pinal County , AZ 85173 (N 33-16-48, W 111-4-41) NAD83 Client:

WestLand Resources, Inc.



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EXECUTIVE SUMMARY

INFORMATION ON THE REQUESTED LOCATION

Site Address:	Parcels 105-15-0030 And 105-15-0040 Pinal County , AZ 85173
Client Project Name/Number:	Apache Leap South- Part 1 807.211
Coordinates:	N 33-16-48, W 111-4-41 (NAD 83) 33.280079901591, -111.078194258807
Date of Report	June 17, 2020
ERS Project Number:	2104724018
Subject Site Listed on the following lists:	Not Listed
Subject Site Listed as Map ID#:	N/A
USGS 7.5 Minute Quad Map:	Superior (2014-11-20)
Subject Site Located within a Potential Area of Concern:	No
Township, Section and Range:	Township: 02S Range: 12E Section: 001
Site Elevation: (feet above or below (-) mean sea level)	Approximately 3923 ft near the center of the area.
Flood Zone: (FEMA Q3 Digital Data)	Panel: 04021C0290E, Effective Date: 12/4/2007 Zone X - Area of minimal flood hazard, usually depicted on FIRMs as above the 500- year flood level.
Fire Insurance Map Coverage:	No
Radon Information:	EPA Radon Zone: 2 (Predicted avg for county: 2 to 4 pCi/L)
Search Radius Expansion Size: (In Miles)	0
Soil Type: (USDA Soil Survey Geographic Database) (SSURGO)	Rock outcrop-Mabray-Pantak complex, 20 to 70 percent slopes Map Unit Type: Complex Hydric: No Drainage Class: Well drained General Information: Loamy-skeletal, carbonatic, thermic Lithic Ustic Torriorthents



Zip Codes Searched for "Un-Mappable" Sites:	Not Researched
Occurrence Count:	0



SUMMARY OF OCCURRENCES

MAP ID	ID/SITE NAME	ADDRESS	DATABASE	STATUS	DISTANCE (MILES)	ELEV DIFF (FEET)
N/A						



POTENTIAL AREAS OF CONCERN/CONTAMINATION SUMMARY

DATABASE SEARCHED	SUBJECT SITE WITHIN POTENTIAL AREA OF CONCERN	AREAS FOUND WITHIN 1- MILE RADIUS
Brownfields-AZ	No	0
Close-WQARF-AZ	No	0
NPL-R9-US	No	0
DOD-AZ	No	0
EpaNPL-AZ	No	0
WQARF-AZ	No	0
Military-Bases-US	No	0
LF-Pima-AZ	No	0
LF-FedState-AZ	No	0

DATABASE OCCURRENCE SUMMARY

HIGH RISK* OCCURRENCES IDENTIFIED IN REQUESTED SEARCH RADIUS					
DISTANCE SEARCHED HIGH RISK DATABASE SEARCHED (MILES) OCCURRENCES FOU					
ASPL-AZ	0.5	0			
BF-Open-AZ	0.5	0			
CERCLIS-US	0.5	0			
LUST-Open-AZ	0.5	0			
NPL-US	1	0			
Proposed-NPL-US	1	0			
RemOther-Open-AZ	0.5	0			
SAA-Agreements-US	1	0			
Tribal-LUST-Open-Reg9	0.5	0			
VCP-Open-AZ	0.5	0			

* For the purposes of this report, "high risk" occurrences are those that have known contamination and have not received a "case closed" or "no further action" status from the agency that maintains the records.

ASTM/AAI STANDARD RECORD SOURCES SUMMARY						
STANDARD ENVIRONMENTAL RECORD SOURCES	ASTM MIN. SEARCH DIST. / ERS SEARCH DIST. (MILES)	ERS DATABASE NAME	TOTAL LISTINGS	MAP ID #'S		
Federal NPL site list	1.0 / 1.0	NPL-US	0	None Listed		
		Proposed-NPL-US	0	None Listed		
Federal Delisted NPL site list	0.5 / 1.0	Delisted-NPL-US	0	None Listed		
Federal CERCLIS list	0.5 / 0.5	CERCLIS-US	0	None Listed		
Federal CERCLIS NFRAP site list	0.5 / 0.5	CERCLIS-Archived- US	0	None Listed		
Federal RCRA CORRACTS facilities list	1.0 / 1.0	RCRA-COR-US	0	None Listed		
Federal RCRA non-CORRACTS	0.5 / 0.5	RCRA-TSDF-US	0	None Listed		
$P_{77} 2420$ $P_{77} 2420$ $P_{77} 2404724018$						

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TSD facilities list				
Federal RCRA generators list	Property and adjoining properties / 0.25	RCRA-CESQG-US	0	None Listed
	0.20	RCRA-LQG-US	0	None Listed
		RCRA-NON-US	0	None Listed
		RCRA-SQG-US	0	None Listed
Federal Inst/Eng control registries	Property Only / 0.25	Controls-RCRA-US	0	None Listed
5	5	Controls-US	0	None Listed
		Hist-US-EC	0	None Listed
		Hist-US-IC	0	None Listed
		LIENS-US	0	None Listed
Federal ERNS list	Property Only / 0.0625	ERNS-US	0	None Listed
State and Tribal-Equivalent NPL	1.0 / 1.0	Not Reported by Agency	0	None Listed
State and Tribal-Equivalent CERCLIS	0.5 / 0.5	ASPL-AZ	0	None Listed
		Hist-SS-AZ	0	None Listed
State and Tribal landfill and/or solid waste disposal sites	0.5 / 0.5	Debris-US	0	None Listed
		Hist-Dumps-US	0	None Listed
		SWF-AZ	0	None Listed
		SWF-Closed-AZ	0	None Listed
		SWLF-US	0	None Listed
		Transfer-AZ	0	None Listed
		Tribal-ODI-US	0	None Listed
State and Tribal Leaking Storage Tank Lists	0.5 / 0.5	LUST-Closed-AZ	0	None Listed
		LUST-Open-AZ	0	None Listed
		LUST-Suspected-AZ	0	None Listed
		Tribal-LUST-Closed- Reg9	0	None Listed
		Tribal-LUST-Open- Reg9	0	None Listed
State and Tribal Registered Storage Tank Lists	Property and adjoining properties / 0.25	AST2-AZ	0	None Listed
		AST-AZ	0	None Listed
		FEMA-UST-US	0	None Listed
		Tribal-UST-Reg9	0	None Listed
		UST-AZ	0	None Listed
State and Tribal Inst/Eng Control Registries	Property Only / 0.5	Controls-AZ	0	None Listed
State and Tribal Voluntary Cleanup Sites	0.5 / 0.5	Tribal-VCP-US	0	None Listed
		VCP-Closed-AZ	0	None Listed
		VCP-Open-AZ	0	None Listed
		VCP-Other-AZ	0	None Listed

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State and Tribal Brownfield Sites	0.5 / 0.5	BF-Closed-AZ	0	None Listed
		BF-Open-AZ	0	None Listed
		BF-Tribal-US	0	None Listed

FEDERAL ASTM/AAI DATABASES										
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL			
BF-Tribal-US	0.5	0	0	0	0	-	0			
BF-US	0.5	0	0	0	0	-	0			
CERCLIS-Archived-US	0.5	0	0	0	0	-	0			
CERCLIS-US	0.5	0	0	0	0	-	0			
Controls-RCRA-US	0.5	0	0	0	0	-	0			
Controls-US	0.5	0	0	0	0	-	0			
Debris-US	0.5	0	0	0	0	-	0			
Delisted-NPL-US	1	0	0	0	0	0	0			
ERNS-US	0.0625	0	0	-	-	-	0			
FEMA-UST-US	0.25	0	0	0	-	-	0			
FTTS-ENF-US	0.25	0	0	0	-	-	0			
Hist-Dumps-US	0.5	0	0	0	0	-	0			
Hist-US-EC	0.5	0	0	0	0	-	0			
Hist-US-IC	0.5	0	0	0	0	-	0			
HMIS-US	0.0625	0	0	-	-	-	0			
LIENS-US	0.0625	0	0	-	-	-	0			
NPL-US	1	0	0	0	0	0	0			
PADS-US	0.0625	0	0	-	-	-	0			
PCB-US	0.25	0	0	0	-	-	0			
Proposed-NPL-US	1	0	0	0	0	0	0			
RCRA-CESQG-US	0.25	0	0	0	-	-	0			
RCRA-COR-US	1	0	0	0	0	0	0			
RCRA-LQG-US	0.25	0	0	0	-	-	0			
RCRA-NON-US	0.25	0	0	0	-	-	0			
RCRA-SQG-US	0.25	0	0	0	-	-	0			
RCRA-TSDF-US	0.5	0	0	0	0	-	0			
SAA-Agreements-US	1	0	0	0	0	0	0			
SWLF-US	0.5	0	0	0	0	-	0			
Tribal-LUST-Closed-Reg9	0.5	0	0	0	0	-	0			
Tribal-LUST-Open-Reg9	0.5	0	0	0	0	-	0			
Tribal-ODI-US	0.5	0	0	0	0	-	0			
Tribal-UST-Reg9	0.25	0	0	0	-	-	0			
Tribal-VCP-US	0.5	0	0	0	0	-	0			

STATE ASTM/AAI DATABASES										
DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL				
0.5	0	0	0	0	-	0				
0.25	0	0	0	-	-	0				
0.25	0	0	0	-	-	0				
0.5	0	0	0	0	-	0				
0.5	0	0	0	0	-	0				
0.5	0	0	0	0	-	0				
0.0625	0	0	-	-	-	0				
0.5	0	0	0	0	-	0				
0.5	0	0	0	0	-	0				
0.5	0	0	0	0	-	0				
	DISTANCE SEARCHED 0.5 0.25 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	DISTANCE SEARCHEDSUBJECT SITE0.500.2500.2500.500.500.500.500.500.500.500.500.500.500.500.50	DISTANCE SEARCHEDSUBJECT SITE0.125 MILES0.5000.25000.25000.5000.5000.5000.5000.5000.5000.5000.5000.5000.500	DISTANCE SEARCHEDSUBJECT SITE0.125 MILES0.25 MILES0.50000.250000.250000.50000.50000.50000.50000.50000.50000.550000.550000.550000.5000	DISTANCE SEARCHED SUBJECT SITE 0.125 MILES 0.25 MILES 0.5 MILES 0.5 0 0 0 0 0.25 0 0 0 - 0.25 0 0 0 - 0.25 0 0 0 - 0.5 0 0 0 - 0.5 0 0 0 0 0.5 0 0 0 0 0.5 0 0 0 0 0.5 0 0 0 0 0.55 0 0 0 0 0.625 0 0 - - 0.5 0 0 0 0 0.5 0 0 0 0	DISTANCE SEARCHED SUBJECT SITE 0.125 MILES 0.25 MILES 0.5 MILES 1.0 MILES 0.5 0 0 0 - - 0.25 0 0 0 - - 0.25 0 0 0 - - 0.25 0 0 0 - - 0.5 0 0 0 - - 0.5 0 0 0 - - 0.5 0 0 0 - - 0.5 0 0 0 - - 0.5 0 0 0 - - 0.5 0 0 - - - 0.55 0 0 0 0 - - 0.5 0 0 0 0 - -				

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STATE ASTM/AAI DATABASES											
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL				
LUST-Suspected-AZ	0.5	0	0	0	0	-	0				
Oil-Centers-AZ	0.5	0	0	0	0	-	0				
RemOther-Closed-AZ	0.5	0	0	0	0	-	0				
RemOther-Open-AZ	0.5	0	0	0	0	-	0				
SWF-AZ	0.5	0	0	0	0	-	0				
SWF-Closed-AZ	0.5	0	0	0	0	-	0				
Transfer-AZ	0.5	0	0	0	0	-	0				
UST-AZ	0.25	0	0	0	-	-	0				
VCP-Closed-AZ	0.5	0	0	0	0	-	0				
VCP-Open-AZ	0.5	0	0	0	0	-	0				
VCP-Other-AZ	0.5	0	0	0	0	-	0				

SUPPLEMENTAL DATABASES										
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL			
Abandoned-Mines-AZ	0.0625	0	0	-	-	-	0			
Air-AZ	0.25	0	0	0	-	-	0			
Allfac-AZ	0.25	0	0	0	-	-	0			
BioFuel-US	0.25	0	0	0	-	-	0			
CDL-AZ	0.0625	0	0	-	-	-	0			
CDL-US	0.0625	0	0	-	-	-	0			
Coal-Ash-AZ	0.5	0	0	0	0	-	0			
Coal-Ash-Dams-US	0.5	0	0	0	0	-	0			
Dams-AZ	0.25	0	0	0	-	-	0			
DryCleaners-AZ	0.25	0	0	0	-	-	0			
DryWell-AZ	0.25	0	0	0	-	-	0			
EGRID-US	0.5	0	0	0	0	-	0			
EPA-Watch-List-US	0.25	0	0	0	-	-	0			
FA-HW-US	0.0625	0	0	-	-	-	0			
FA-UST-AZ	0.0625	0	0	-	-	-	0			
FRS-US	0.0625	0	0	-	-	-	0			
FTTS-INSP-US	0.0625	0	0	-	-	-	0			
FUDS-US	1	0	0	0	0	0	0			
FUSRAP-US	0.25	0	0	0	-	-	0			
Hist-ACIDS-AZ	0.25	0	0	0	-	-	0			
Hist-AFS2-US	0.25	0	0	0	-	-	0			
Hist-AFS-US	0.25	0	0	0	-	-	0			
Hist-AZ	0.0625	0	0	-	-	-	0			
Hist-CERCLIS-NFRAP-US	0.25	0	0	0	-	-	0			
Hist-CERCLIS-US	0.25	0	0	0	-	-	0			
Hist-DryWells-AZ	0.25	0	0	0	-	-	0			
Hist-ERNS-US	0.0625	0	0	-	-	-	0			
Hist-FIFRA-US	0.25	0	0	0	-	-	0			
Hist-FINDS-US	0.0625	0	0	-	-	-	0			
Hist-HML-AZ	0.25	0	0	0	-	-	0			
Hist-LF-AZ	0.25	0	0	0	-	-	0			
Hist-LUST-AZ	0.25	0	0	0	-	-	0			
HIST-MLTS-US	0.25	0	0	0	-	-	0			
Hist-NPL-US	0.25	0	0	0	-	-	0			
Hist-RCRIS-US	0.25	0	0	0	-	-	0			
Hist-Superfund-AZ	0.25	0	0	0	-	-	0			
Hist-TRIS-US	0.25	0	0	0	-	-	0			
Hist-US	0.0625	0	0	-	-	-	0			

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	SUPPLEMENTAL DATABASES										
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL				
Hist-UST-AZ	0.25	0	0	0	-	-	0				
Hist-WaterWells-US	0.0625	0	0	-	-	-	0				
ICIS-Air-US	0.0625	0	0	-	-	-	0				
ICIS-FEC-US	0.0625	0	0	-	-	-	0				
ICIS-NPDES-US	0.0625	0	0	-	-	-	0				
Lead-Smelter-2-US	0.25	0	0	0	-	-	0				
Lead-US	0.25	0	0	0	-	-	0				
LMOP-US	0.5	0	0	0	0	-	0				
Mines-AZ	0.0625	0	0	-	-	-	0				
MINES-US	0.0625	0	0	-	-	-	0				
MLTS-US	0.0625	0	0	-	-	-	0				
MRDS-US	0.25	0	0	0	-	-	0				
NPDES-AZ	0.0625	0	0	-	-	-	0				
OGW-AZ	0.0625	0	0	-	-	-	0				
PCS-US	0.25	0	0	0	-	-	0				
RADINFO-US	0.0625	0	0	-	-	-	0				
RFG-Lab-US	0.25	0	0	0	-	-	0				
RMP-US	0.0625	0	0	-	-	-	0				
ROD-US	0.5	0	0	0	0	-	0				
SDWIS-US	0.25	0	0	0	-	-	0				
SSTS-US	0.0625	0	0	-	-	-	0				
SWT-AZ	0.25	0	0	0	-	-	0				
Tribal-Air-US	0.25	0	0	0	-	-	0				
TRIS2000-US	0.0625	0	0	-	-	-	0				
TRIS2010-US	0.0625	0	0	-	-	-	0				
TRIS80-US	0.0625	0	0	-	-	-	0				
TRIS90-US	0.0625	0	0	-	-	-	0				
TSCA-US	0.0625	0	0	-	-	-	0				
UIC-AZ	0.0625	0	0	-	-	-	0				
UMTRA-US	0.0625	0	0	-	-	-	0				
USGS-Waterwells-US	0.0625	0	0	-	-	-	0				
Vapor-Intrusions-US	0.5	0	0	0	0	-	0				
Waste-tire-AZ	0.5	0	0	0	0	-	0				
Wells-AZ	0.0625	0	0	-	-	-	0				

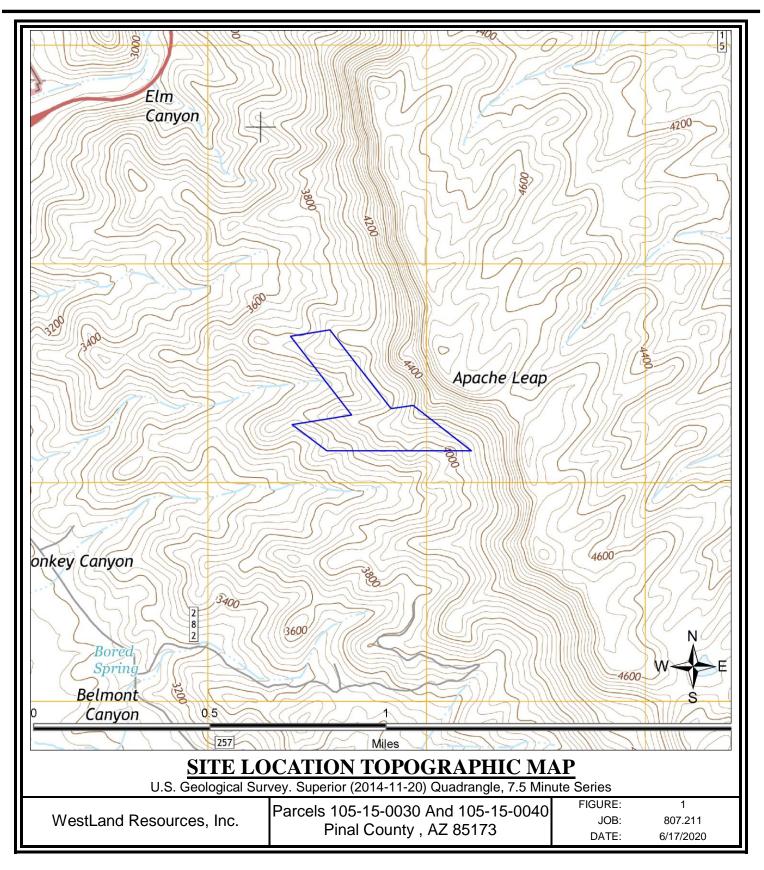
PROPRIETARY HISTORIC DATABASES											
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL				
Hist-Agriculture	0.0625	0	0	-	-	-	0				
Hist-Auto Dealers	0.0625	0	0	-	-	-	0				
Hist-Auto Repair	0.25	0	0	0	-	-	0				
Hist-Chemical Manufacturing	0.0625	0	0	-	-	-	0				
Hist-Chemical-Storage	0.0625	0	0	-	-	-	0				
Hist-Cleaners	0.25	0	0	0	-	-	0				
Hist-Convenience	0.0625	0	0	-	-	-	0				
Hist-Disposal-Recycle	0.0625	0	0	-	-	-	0				
Hist-Food-Processors	0.0625	0	0	-	-	-	0				
Hist-Gun-Ranges	0.0625	0	0	-	-	-	0				
Hist-Machine Shop	0.0625	0	0	-	-	-	0				
Hist-Manufacturing	0.0625	0	0	-	-	-	0				
Hist-Metal Plating	0.0625	0	0	-	-	-	0				
Hist-Mining	0.0625	0	0	-	-	-	0				
Hist-Mortuaries	0.0625	0	0	-	-	-	0				

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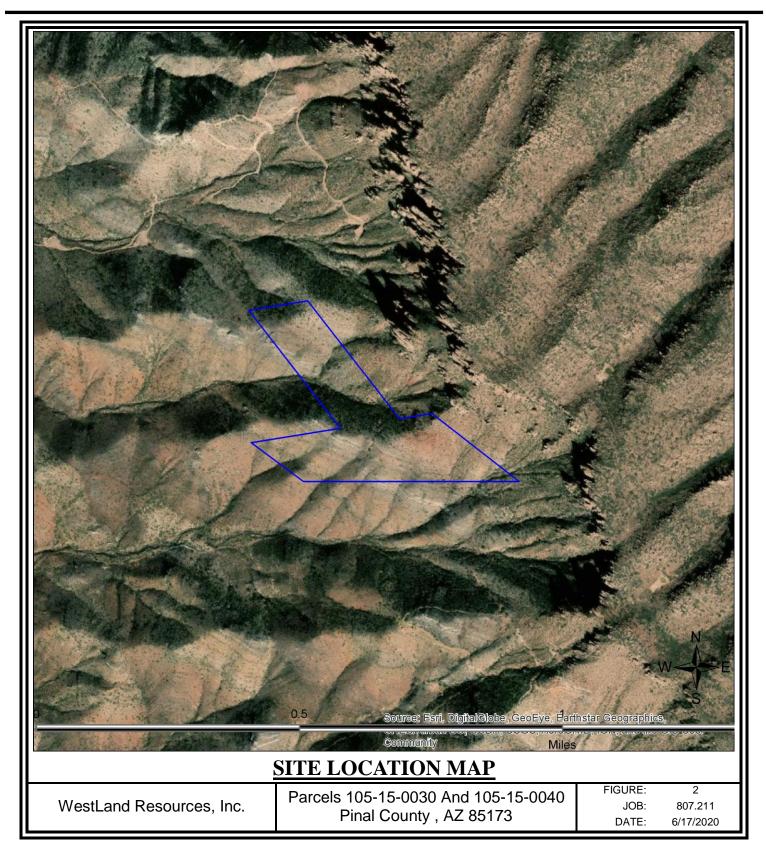


PROPRIETARY HISTORIC DATABASES											
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL				
Hist-Oil-Gas	0.0625	0	0	-	-	-	0				
Hist-OilGas-Refiners	0.0625	0	0	-	-	-	0				
Hist-Other	0.0625	0	0	-	-	-	0				
Hist-Paint-Stores	0.0625	0	0	-	-	-	0				
Hist-Petroleum	0.0625	0	0	-	-	-	0				
Hist-Post-Offices	0.0625	0	0	-	-	-	0				
Hist-Printers	0.0625	0	0	-	-	-	0				
Hist-Rental	0.0625	0	0	-	-	-	0				
Hist-RV-Dealers	0.0625	0	0	-	-	-	0				
Hist-Salvage	0.0625	0	0	-	-	-	0				
Hist-Service Stations	0.25	0	0	0	-	-	0				
Hist-Steel-Metals	0.0625	0	0	-	-	-	0				
Hist-Textile	0.0625	0	0	-	-	-	0				
Hist-Transportation	0.0625	0	0	-	-	-	0				
Hist-Trucking	0.0625	0	0	-	-	-	0				
Hist-Vehicle-Parts	0.0625	0	0	-	-	-	0				
Hist-Vehicle-Washing	0.0625	0	0	-	-	-	0				



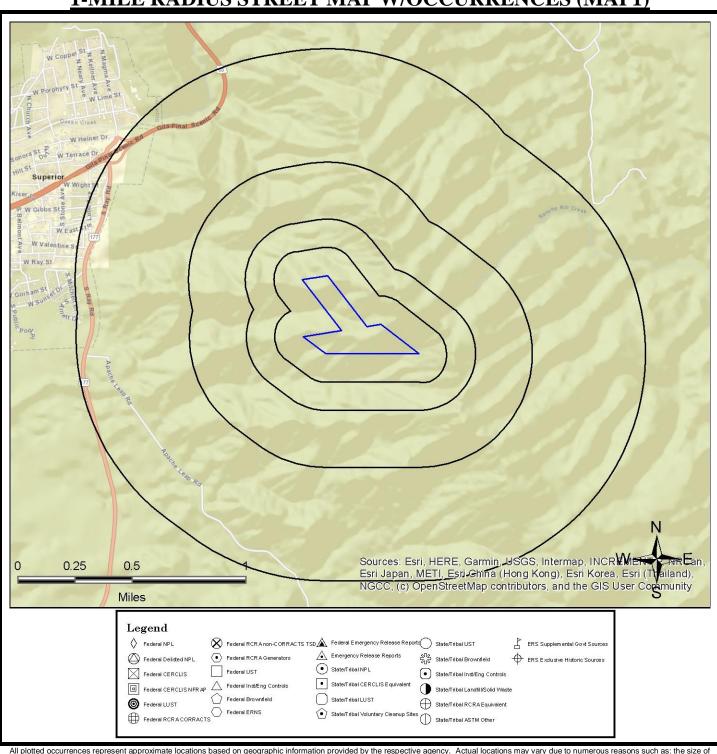








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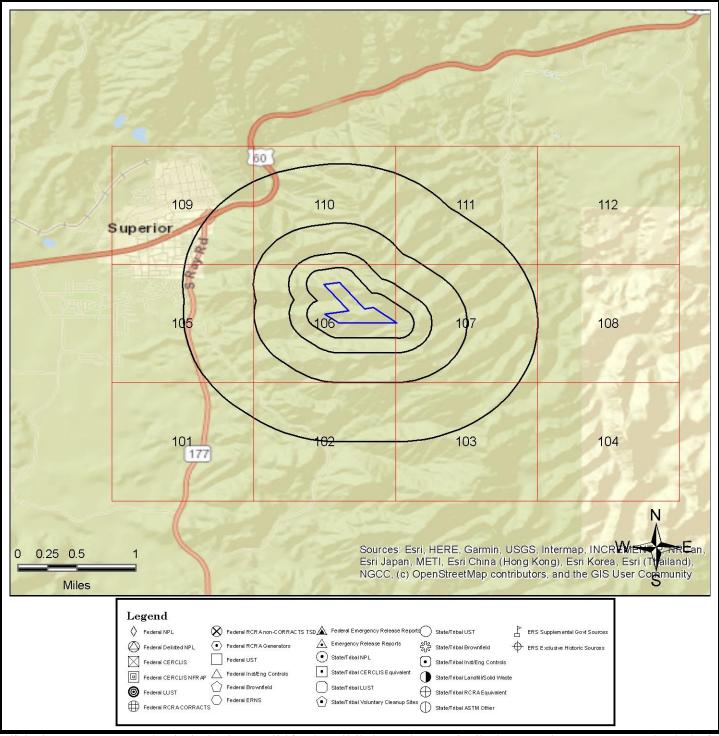


<u>1-MILE RADIUS STREET MAP W/OCCURRENCES (MAP1)</u></u>

All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.

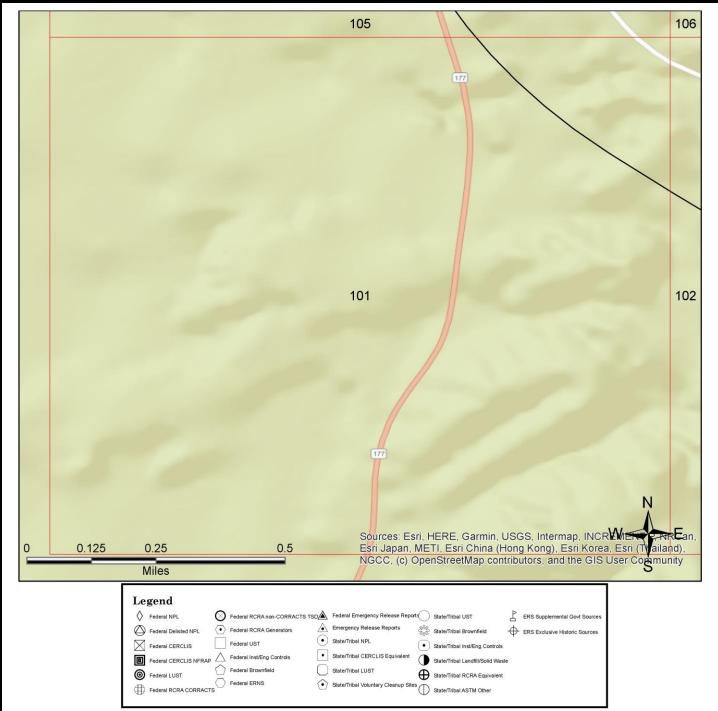


GRID LAYOUT MAP KEY



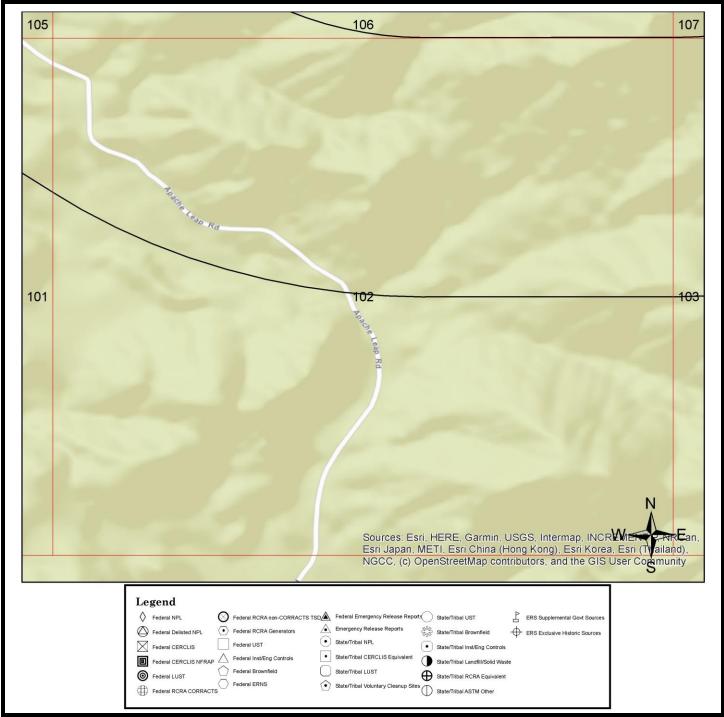
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.





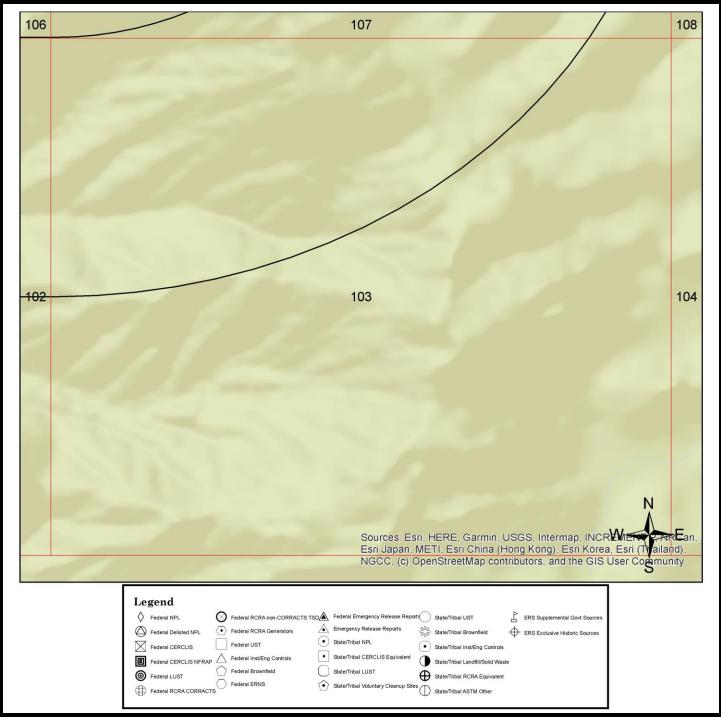
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.





All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.





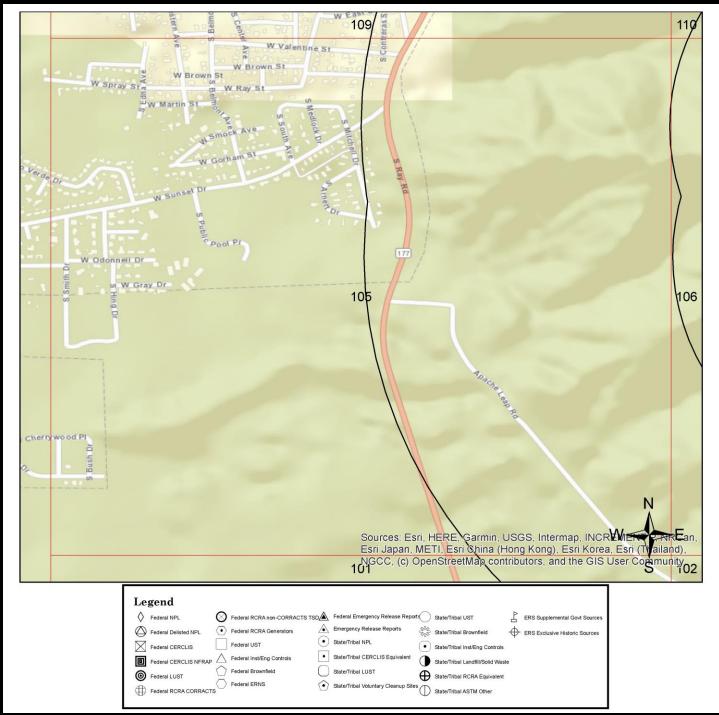
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.



107	108
103	104
	Sources: Esri, HERE, Garmin, USGS, Intermap, INCR MIETA PAREan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Trailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Cogmunity
	Image: Decision of the second of the seco

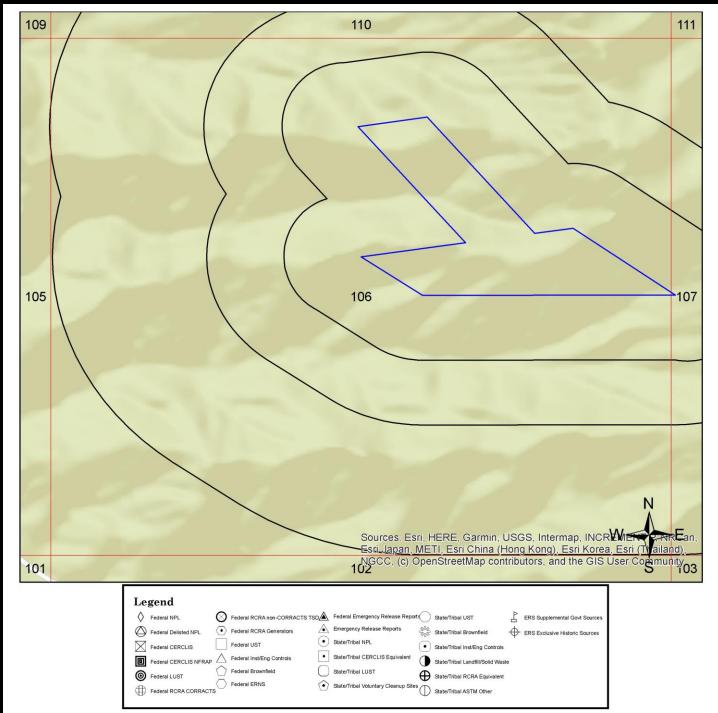
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.





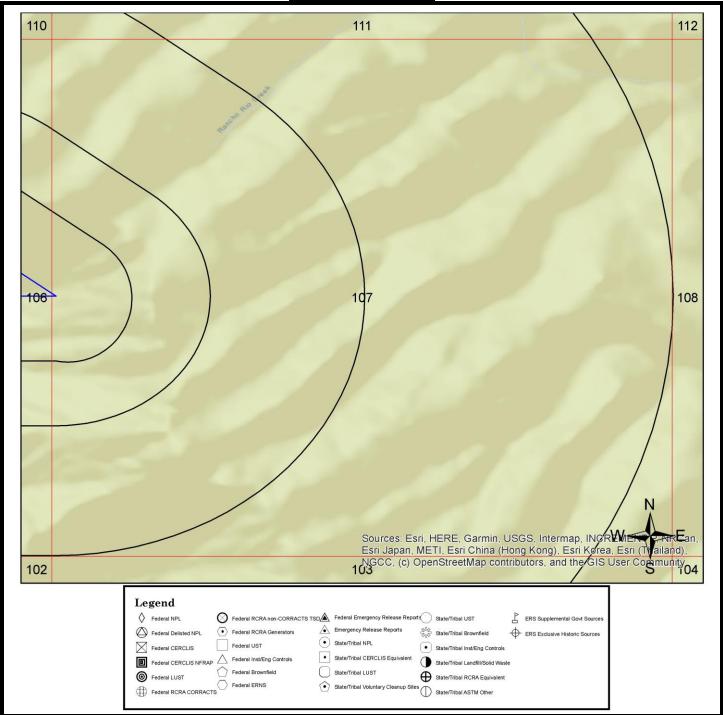
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.





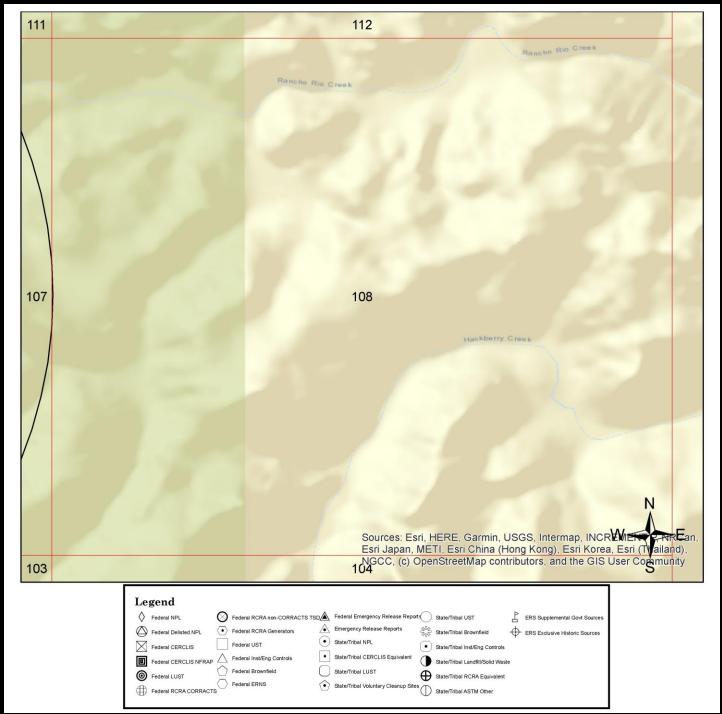
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrences. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.





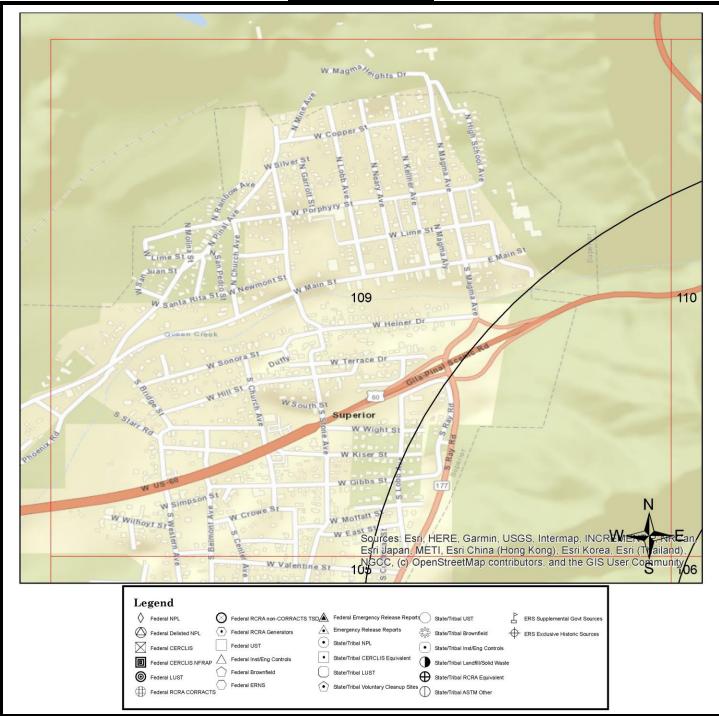
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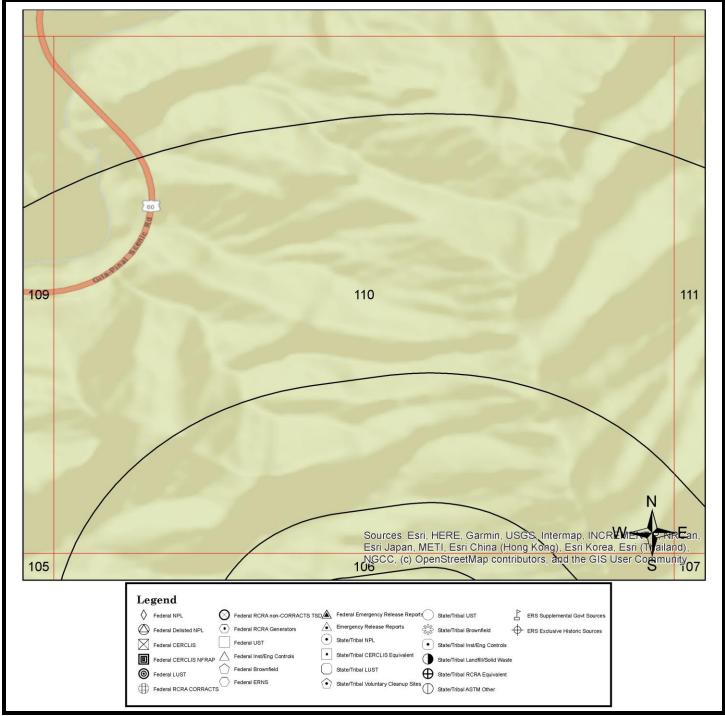
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **YELLOW** have been listed by the respective agency, but do not always represent an environmental risk. The detailed status information and description of the listing should be reviewed for further information. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.





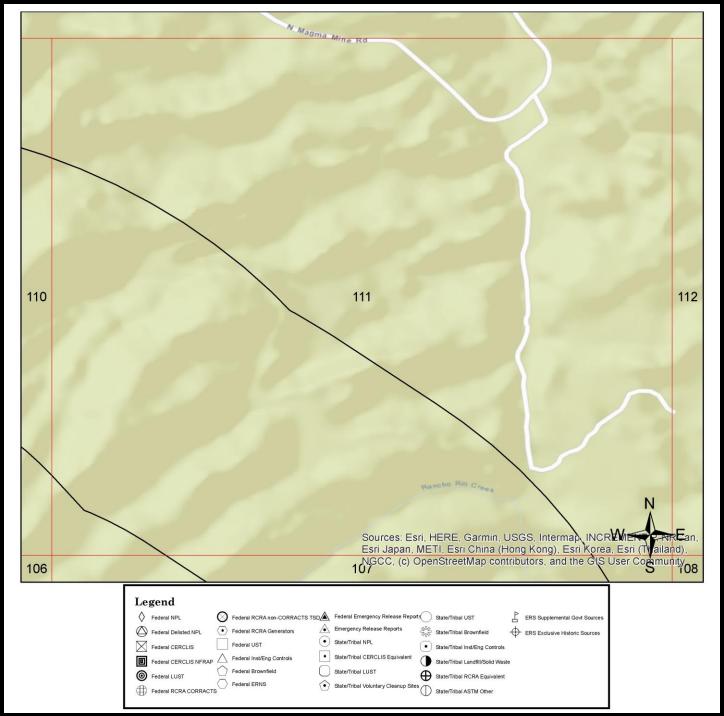
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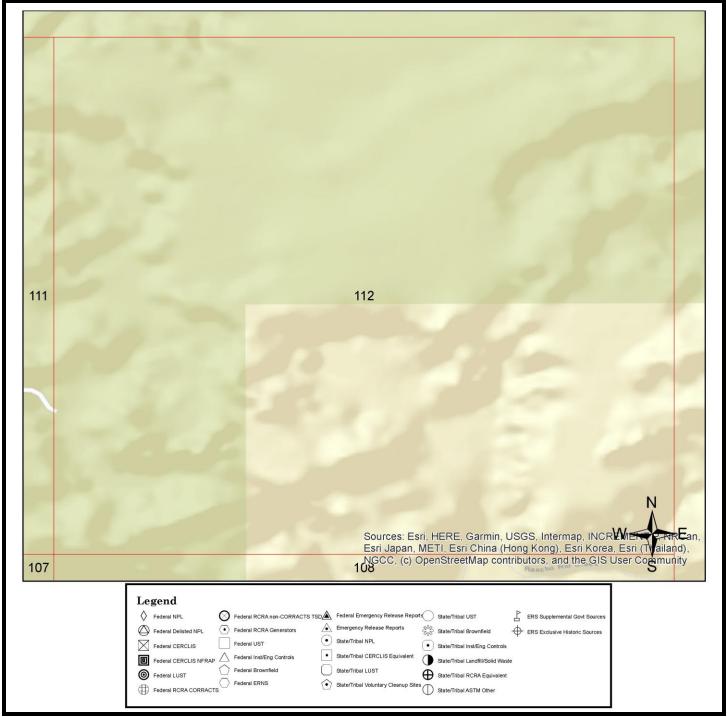
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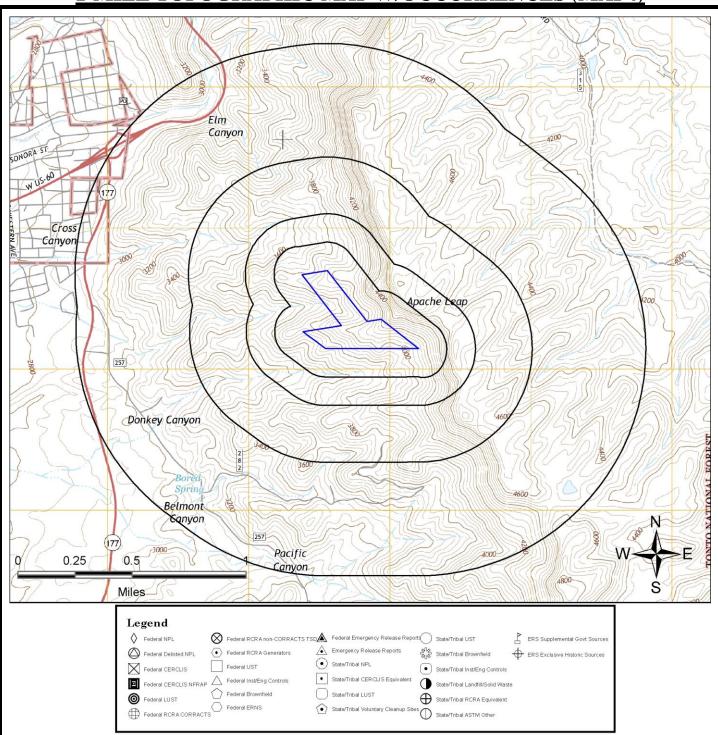




All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.



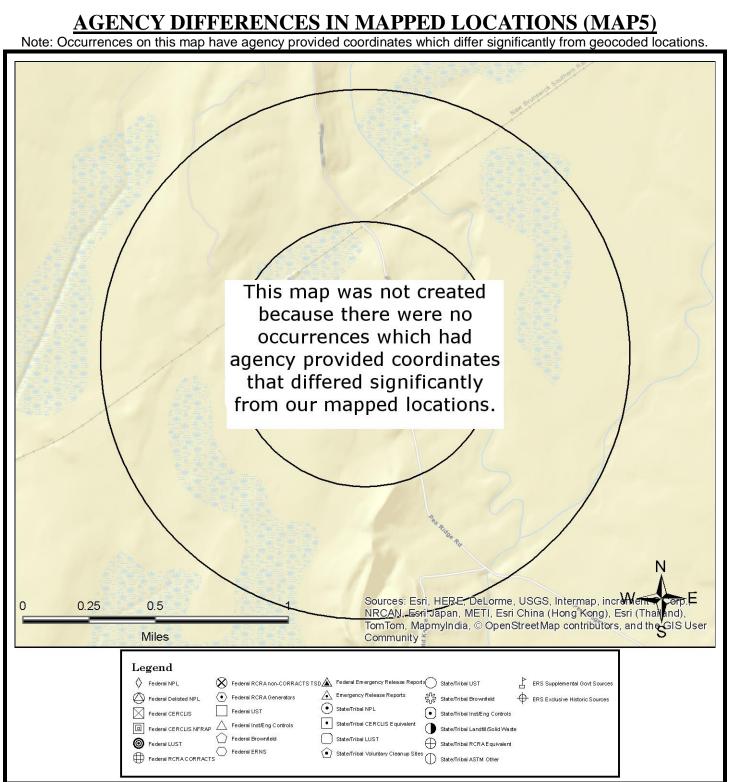
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<u>1-MILE TOPOGRAPHIC MAP W/OCCURRENCES (MAP4)</u>

All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. **Occurrences are shown in three colors** to give a visual indication of the potential risk of the listed occurrence based on the type of list and the current status of the occurrence. Occurrences shown in **RED** are locations with known contamination that have not received a "case closed" or "no further action" status. Occurrences shown in **GREEN** are occurrences that have active permits or have had contamination in the past but have received a "case closed" or "no further action" status and therefore, do not likely present an environmental risk.





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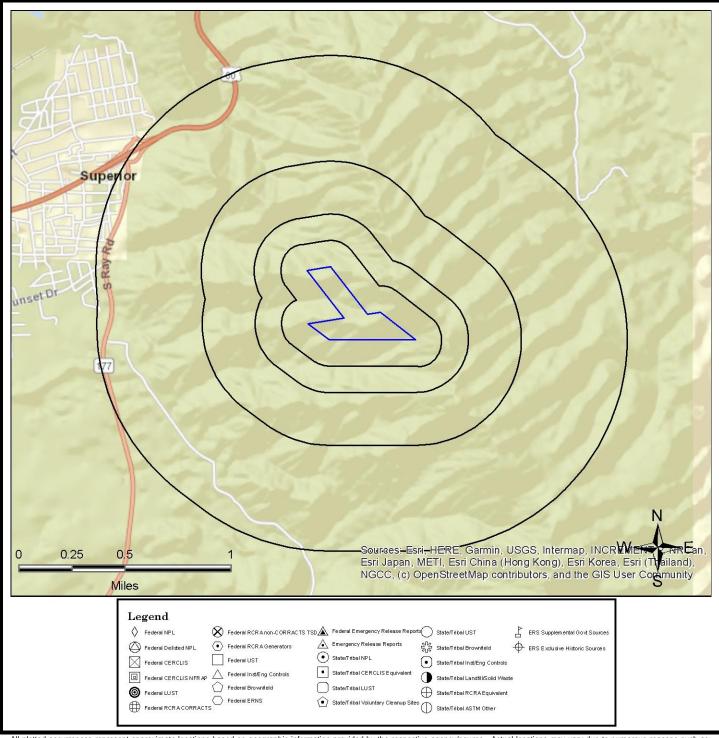
SUMMARY OF AGENCY DIFFERENCES

MAP ID	ID / SITE NAME	ADDRESS / DATABASE	AGENCY COORDINATES	DISTANCE (MILES)	DIRECTION
N/A	No occurrences were identified where the agency provided coordinates that differed significantly from our mapped locations.				



MAPPED AIR PERMITS WITH POTENTIAL DISPERSION (MAP6)

Note: Occurrences on this map are reported in Air Quality databases. Potential air plumes are drawn in the direction of the prevailing wind. No air quality occurrences were identified in the search radius



All plotted occurrences represent approximate locations based on geographic information provided by the respective agency/source. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc. Potential air dispersion plumes are depicted to graphically show the direction the size of the property, accuracy of the provided location, accuracy of the solving base to determine the location, etc. Potential and upset of the provided location, accuracy of the solving base of the solution, etc. Potential and upset of the solution prevailing wind data and provide a visual screening tool only. Actual direction will vary especially by season. Depending on the source the contaminate may travel can and will vary. Interpretation and review of all the actual relevant data by an environmental professional is recommended before making any decisions, conclusions or otherwise based on the map depictions, air data, and potential air dispersion plumes. This "MAPPED AIR PERMITS WITH POTENTIAL DISPERSION (MAP 6)" is fully protected against reproduction in any way, shape or form by ERS Environmental Record Search. ALL applicable laws, copyrights, pending copyrights, trademarks, and any and all applicable Federal and State laws apply at all times. These protections include the concept, procedures, processes, layout, vision, color scheme, mapping layout, legends, data, any and all verblage, and the entire concept.

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LISTED OCCURRENCE DETAILS

DATABASE	STATUS	ELEVATION	MAP ID						
N/A									
	SITE NAME	MAPS	ID						
	ADDRESS	CITY	ZIP						
	DETAILS								
No listed sites were found.									



RECORDS SOURCES SEARCHED

ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
Abandoned- Mines-AZ	Abandoned Mines	ERS Supplemental Govt Sources	Click Here	None Found
Air-AZ	Arizona Air Permits	ERS Supplemental Govt Sources	Click Here	None Found
Allfac-AZ	Arizona Permits	ERS Supplemental Govt Sources	Click Here	None Found
ASPL-AZ	Arizona Superfund Program List	State/Tribal CERCLIS Equivalent	Click Here	None Found
AST2-AZ	Aboveground Storage Tanks	State/Tribal UST	Click Here	None Found
AST-AZ	Storage Tank Facility Data, ASTs (aka Registered Aboveground Storage Tanks)	State/Tribal UST	Click Here	None Found
BF-Closed-AZ	Brownfields Assistance Program Site List, Open Cases (aka Brownfields Tracking System)	State/Tribal Brownfield	Click Here	None Found
BF-Open-AZ	Brownfields Assistance Program Site List, Closed Cases (aka Brownfields Tracking System)	State/Tribal Brownfield	Click Here	None Found
BF-Tribal-US	Historical Tribal Brownfields	Federal Brownfield	Click Here	None Found
BF-US	Brownfields Sites	Federal Brownfields	Click Here	None Found
BioFuel-US	Bio Diesel Fuel	ERS Supplemental Govt Sources	Click Here	None Found
Brownfields-AZ	Brownfield Site Boundaries	State/Tribal Brownfield	Click Here	None Found
CDL-AZ	Clandestine Drug Labs	ERS Supplemental Govt Sources	Click Here	None Found
CDL-US	National Clandestine Drug Lab Register	ERS Supplemental Govt Sources	Click Here	None Found
CERCLIS- Archived-US	CERCLIS sites that have been archived	Federal CERCLIS NFRAP	Click Here	None Found
CERCLIS-US	Comprehensive Environmental Response, Compensation, and Liability Information System	Federal CERCLIS	Click Here	None Found
Close- WQARF-AZ	Closed Water Quality Assurance Revolving Fund (WQARF) Sites.	State/Tribal NPL	Click Here	None Found
Coal-Ash-AZ	Coal Ash Disposal Sites	ERS Supplemental Govt Sources	Click Here	None Found
Coal-Ash- Dams-US	Coal Ash Contaminated Sites and Hazard Dams	ERS Supplemental Govt Sources	Click Here	None Found

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ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
Controls-AZ	Remediation and Declaration of Environmental Use Restriction (DEUR) (aka AUL, Environmental Use Restriction Sites)	State/Tribal Inst/Eng Controls	Click Here	None Found
Controls- RCRA-US	RCRA Institutional and Engineering Controls Summary (aka Federal RCRA with Controls)	Federal Institutional/Engineering Controls	Click Here	None Found
Controls-US	US CERCLA Sites with Controls (aka US IC/EC, Institutional/Engineering List Controls, Land Use Controls)	Federal Institutional/Engineering Controls	Click Here	None Found
Dams-AZ	Arizona Dams	ERS Supplemental Govt Sources	Click Here	None Found
Debris-US	Historical Debris Sites	Federal Solid Waste	Click Here	None Found
Delisted-NPL- US	Delisted NPL Sites	Federal Delisted NPL	Click Here	None Found
DOD-AZ	Department of Defense Sites	ERS Supplemental Govt Sources	Click Here	None Found
DryCleaners- AZ	Dry Cleaner Facilities	ERS Supplemental Govt Sources	Click Here	None Found
DryWell-AZ	DryWells	ERS Supplemental Govt Sources	Click Here	None Found
EGRID-US	Emissions & Generation Resource Facilities	ERS Supplemental Govt Sources	Click Here	None Found
EpaNPL-AZ	Arizona National Priority List	State/Tribal NPL	Click Here	None Found
EPA-Watch- List-US	Historical EPA Watch List	ERS Supplemental Govt Sources	Click Here	None Found
ERNS-US	Emergency Response Notification System	Federal ERNS	Click Here	None Found
FA-HW-US	Financial Assurance, Hazardous Waste	ERS Supplemental Govt Sources	Click Here	None Found
FA-UST-AZ	Financial Assurance for Underground Storage Tanks	ERS Supplemental Govt Sources	Click Here	None Found
FEMA-UST-US	Historical FEMA Underground Storage Tanks	Federal UST	Click Here	None Found
FRS-US	Facility Registry Index (FINDS)	ERS Supplemental Govt Sources	Click Here	None Found
FTTS-ENF-US	Historical FIFRA/TSCA Tracking System (FTTS) Enforcement Actions	Federal ASTM Other	Click Here	None Found
FTTS-INSP-US	Historical FIFRA/TSCA Tracking System (FTTS) Inspections	ERS Supplemental Govt Sources	Click Here	None Found
FUDS-US	Formerly Used Defense Sites	ERS Supplemental Govt Sources	Click Here	None Found

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ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
FUSRAP-US	Formerly Utilized Sites Remedial Action Program Sites	ERS Supplemental Govt Sources	Click Here	None Found
Hist-ACIDS-AZ	Historical Cercla Information Data System	ERS Supplemental Govt Sources	Click Here	None Found
Hist-AFS2-US	Historical Air Facility System for Clean Air Act stationary sources	ERS Supplemental Govt Sources	Click Here	None Found
Hist-AFS-US	Historical Air Facility System for Clean Air Act stationary sources	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Agriculture	Historical Ranches/Farms, Livestock/Agriculture	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Auto Dealers	Historical Auto and Truck Dealers	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Auto Repair	Historical Automotive Repair	ERS Exclusive Historic Sources	Click Here	None Found
Hist-AZ	Previously Listed Arizona Sites	ERS Supplemental Govt Sources	Click Here	None Found
Hist-CERCLIS- NFRAP-US	Historical CERCLIS-NFRAP	ERS Supplemental Govt Sources	Click Here	None Found
Hist-CERCLIS- US	Historical CERCLIS Sites	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Chemical Manufacturing	Historical Manufacturing and Distribution of Chemicals, Gases, and/or Solids	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Chemical- Storage	Historical Chemical/Hazardous Use Storage	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Cleaners	Historical Laundry, Cleaners, and Dry Cleaning Services	ERS Exclusive Historic Sources	Click Here	None Found
Hist- Convenience	Historical Convenience Store with Possible Gas	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Disposal- Recycle	Historical Hazardous Disposal/Recycle and Dumps/Waste	ERS Exclusive Historic Sources	Click Here	None Found
Hist-DryWells- AZ	Historical Dry Well Registration List	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Dumps- US	Historical Dumps Inventory of 1985	Federal Solid Waste	Click Here	None Found
Hist-ERNS-US	Historical Emergency Response Notification System (ERNS)	ERS Supplemental Govt Sources	Click Here	None Found
Hist-FIFRA-US	Historical Case Administration Data from National Compliance Database (Federal Insecticide, Fungicide, and Rodenticide Act)	ERS Supplemental Govt Sources	Click Here	None Found



ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
Hist-FINDS-US	Historical Facility Index System	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Food- Processors	Historical Food Processing Manufacturers	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Gun- Ranges	Historical Gun Ranges/Clubs	ERS Exclusive Historic Sources	Click Here	None Found
Hist-HML-AZ	Historical Hazardous Materials Logbook	ERS Supplemental Govt Sources	Click Here	None Found
Hist-LF-AZ	Historical Arizona Landfills	ERS Supplemental Govt Sources	Click Here	None Found
Hist-LUST-AZ	Historical LUST File Listing	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Machine Shop	Historical Machine Shops, Welding, Machine Repair	ERS Exclusive Historic Sources	Click Here	None Found
Hist- Manufacturing	Historical Sources US: Manufacturing	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Metal Plating	Historical Metal Plating	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Mining	Historical Mining Operations	ERS Exclusive Historic Sources	Click Here	None Found
HIST-MLTS- US	Historical Material Licensing Tracking System	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Mortuaries	Historical Crematories/Mortuaries	ERS Exclusive Historic Sources	Click Here	None Found
Hist-NPL-US	Historical National Priority List	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Oil-Gas	Historical Oil and Gas Well Related Facilities	ERS Exclusive Historic Sources	Click Here	None Found
Hist-OilGas- Refiners	Historical Oil/Gas Refiners/Manufacturers/Plants	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Other	Historical Environmental Facilities	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Paint- Stores	Historical Paint Stores	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Petroleum	Historical Petroleum Refining/ Manufacturing/ Chemicals	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Post- Offices	Historical Post Offices	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Printers	Historical Printers and Publishers	ERS Exclusive Historic Sources	Click Here	None Found



ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
Hist-RCRIS-US	Historical EPA's Resource Conservation and Recovery Act	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Rental	Historical Rental Equipment & Yards	ERS Exclusive Historic Sources	Click Here	None Found
Hist-RV- Dealers	Historical Trailer and Recreational Vehicle Dealers	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Salvage	Historical Vehicle Salvage Yards or Wreckers	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Service Stations	Historical Service Stations/Vehicle Fueling	ERS Exclusive Historic Sources	Click Here	None Found
Hist-SPILLS- AZ	Historical Arizona Spills Reported	Emergency Release Reports	Click Here	None Found
Hist-SS-AZ	Historical Superfund Sites	State/Tribal CERCLIS Equivalent	Click Here	None Found
Hist-Steel- Metals	Historical Steel Mills/Manufacturers/Foundries/Smelte rs	ERS Exclusive Historic Sources	Click Here	None Found
Hist- Superfund-AZ	Historical Superfund and WQARF Priorities List	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Textile	Historical Textile Mills/Manufacturers	ERS Exclusive Historic Sources	Click Here	None Found
Hist- Transportation	Historical Transportation Facilities	ERS Exclusive Historic Sources	Click Here	None Found
Hist-TRIS-US	Historical Toxic Release Inventory System	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Trucking	Historical Trucking, Shipping, Delivery, and/or Storage	ERS Exclusive Historic Sources	Click Here	None Found
Hist-US	Historical Previously Listed Federal Sites	ERS Supplemental Govt Sources	Click Here	None Found
Hist-US-EC	Historical Engineering Controls Sites (aka US EC, Engineering Controls, Land Use Controls)	Federal Institutional/Engineering Controls	Click Here	None Found
Hist-US-IC	Historical Sites with Institutional Controls (aka US IC, Institutional Controls, Land Use Controls)	Federal Institutional/Engineering Controls	Click Here	None Found
Hist-UST-AZ	Historical UST Tank Listing	ERS Supplemental Govt Sources	Click Here	None Found
Hist-Vehicle- Parts	Historical Vehicle Parts	ERS Exclusive Historic Sources	Click Here	None Found
Hist-Vehicle- Washing	Historical Vehicle/Truck Washing Facilities	ERS Exclusive Historic Sources	Click Here	None Found



ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
Hist- WaterWells-US	Historical Public Community Water Supply/Well Head Protection Database	ERS Supplemental Govt Sources	Click Here	None Found
HMIS-US	Hazardous Materials Information System	Federal Emergency Release Reports	Click Here	None Found
ICIS-Air-US	Integrated Compliance Information System for Air	ERS Supplemental Govt Sources	Click Here	None Found
ICIS-FEC-US	Integrated Compliance Information System for Federal Enforcement Data	ERS Supplemental Govt Sources	Click Here	None Found
ICIS-NPDES- US	National Pollutant Discharge Elimination System (NPDES)	ERS Supplemental Govt Sources	Click Here	None Found
Lead-Smelter- 2-US	Historical Lead Smelter Sites	ERS Supplemental Govt Sources	Click Here	None Found
Lead-US	Lead Smelter Sites	ERS Supplemental Govt Sources	Click Here	None Found
LF-FedState- AZ	Federal Owned Landfills, Pima County	State/Tribal Solid Waste	Click Here	None Found
LF-Pima-AZ	Pima County and City of Tucson Landfills	State/Tribal Solid Waste	Click Here	None Found
LIENS-US	Superfund Liens	Federal Institutional/Engineering Controls	Click Here	None Found
LMOP-US	Landfill Methane Outreach Program	ERS Supplemental Govt Sources	Click Here	None Found
LUST-Closed- AZ	Leaking Underground Storage Tank (LUST) Database, Closed Cases	State/Tribal LUST	Click Here	None Found
LUST-Open- AZ	Leaking Underground Storage Tank (LUST) Database, Open Cases	State/Tribal LUST	Click Here	None Found
LUST- Suspected-AZ	Leaking Underground Storage Tanks, Suspected Cases	State/Tribal LUST	Click Here	None Found
Military-Bases- US	Military Base Boundaries	ERS Supplemental Govt Sources	Click Here	None Found
Mines-AZ	Arizona Mines	ERS Supplemental Govt Sources	Click Here	None Found
MINES-US	Mines Master Index File	ERS Supplemental Govt Sources	Click Here	None Found
MLTS-US	Material Licensing Tracking System	ERS Supplemental Govt Sources	Click Here	None Found
MRDS-US	Mineral Resources Data System (MRDS)	ERS Supplemental Govt Sources	Click Here	None Found
NPDES-AZ	National Pollutant Discharge Elimination System (NPDES)	ERS Supplemental Govt Sources	Click Here	None Found



ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
NPL-R9-US	NPL Region 9 Site Boundaries	Federal NPL	Click Here	None Found
NPL-US	National Priorities List	I Priorities List Federal NPL		None Found
OGW-AZ	Arizona Oil and Gas Wells	ERS Supplemental Govt Sources	Click Here	None Found
Oil-Centers-AZ	Used Oil Collection Centers	State/Tribal ASTM Other Med	Click Here	None Found
PADS-US	PCB Registration Database System	Federal ASTM Other	Click Here	None Found
PCB-US	PCB Transformers	Federal ASTM Other	Click Here	None Found
PCS-US	Historical Permit Compliance System for Clean Water Act	ERS Supplemental Govt Sources	Click Here	None Found
Proposed-NPL- US	Proposed NPL Sites	Federal NPL	Click Here	None Found
RADINFO-US	Radiation Information Database	ERS Supplemental Govt Sources	Click Here	None Found
RCRA- CESQG-US	Resource Conservation and Recovery Act, Conditionally Exempt Small Quantity Generators (aka RCRA CESQG)	Federal RCRA Generators	Click Here	None Found
RCRA-COR- US	Resource Conservation and Recovery Act, - Corrective Actions (aka RCRA CORRACTS)	Federal RCRA CORRACTS	Click Here	None Found
RCRA-LQG- US	Resource Conservation and Recovery Act, Large Quantity Generators (aka RCRA LQG)	Federal RCRA Generators	Click Here	None Found
RCRA-NON- US	Resource Conservation and Recovery Act, Non-Hazardous Generators (aka RCRA Non-Haz, RCRA NonGen, RCRA No longer Regulated)	Federal RCRA Generators	Click Here	None Found
RCRA-SQG- US	Resource Conservation and Recovery Act, Small Quantity Generators (aka RCRA SQG)	Federal RCRA Generators	Click Here	None Found
RCRA-TSDF- US	Resource Conservation and Recovery Act -, Treatment, Storage, and Disposal Facilities (aka RCRA TSD, RCRA TSDF)	Federal RCRA non- CORRACTS TSD	Click Here	None Found
RemOther- Closed-AZ	Remediation and Declaration of Environmental Use Restriction (DEUR) Search, Other Remediation Sites, Closed Cases	State/Tribal ASTM Other Low	Click Here	None Found
RemOther- Open-AZ Remediation and Declaration of Environmental Use Restriction (DEUR) Search, Other Remediation Sites, Open Cases		State/Tribal ASTM Other High	Click Here	None Found

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ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
RFG-Lab-US	Reformulated Gasoline (RFG)	ERS Supplemental Govt Sources	Click Here	None Found
RMP-US	Risk Management Plans	ERS Supplemental Govt Sources	Click Here	None Found
ROD-US	Records of Decision	ERS Supplemental Govt Sources	Click Here	None Found
SAA- Agreements- US	Sites with Superfund Alternative Approach Agreements	Federal ASTM Other	Click Here	None Found
SDWIS-US	Safe Drinking Water Information System	ERS Supplemental Govt Sources	Click Here	None Found
SSTS-US	Section 7 Tracking System	ERS Supplemental Govt Sources	Click Here	None Found
SWF-AZ	SWF-AZ Active Municipal Solid Waste Landfills (aka Directory of Solid Waste Waste Facilities)		Click Here	None Found
SWF-Closed- AZ	Closed Solid Waste Facilities	State/Tribal Landfill/Solid Waste	Click Here	None Found
SWLF-US	Solid Waste Facilities	Federal Solid Waste	Click Here	None Found
SWT-AZ	Special Waste Transporter List	ERS Supplemental Govt Sources	Click Here	None Found
Transfer-AZ	Arizona Solid Waste Transfer Stations	State/Tribal Landfill/Solid Waste	Click Here	None Found
Tribal-Air-US	Tribal Air Permitted Facilities	ERS Supplemental Govt Sources	Click Here	None Found
Tribal-LUST- Closed-Reg9	Tribal Leaking Underground Storage Tanks, Region 9 (aka Indian Lust)	Federal LUST	Click Here	None Found
Tribal-LUST- Open-Reg9	Tribal Leaking Underground Storage Tanks , Region 9 (aka Indian Lust)	Federal LUST	Click Here	None Found
Tribal-ODI-US	Tribal Open Dump Sites	Federal Solid Waste	Click Here	None Found
Tribal-UST- Reg9	Tribal Underground Storage Tanks (aka Tribal UST)	Federal UST	Click Here	None Found
Tribal-VCP-US	Tribal VCP	Federal Tribal VCP	Click Here	None Found
TRIS2000-US	Historical Toxics Release Inventory System	ERS Supplemental Govt Sources	Click Here	None Found
TRIS2010-US	Toxics Release Inventory System	ERS Supplemental Govt Sources	Click Here	None Found
TRIS80-US	Historical Toxics Release Inventory System	ERS Supplemental Govt Sources	Click Here	None Found
TRIS90-US	Historical Toxics Release Inventory System	ERS Supplemental Govt Sources	Click Here	None Found



ABREVIATION	DATABASE FULLNAME	DATABASE CATEGORY	DATABASE DETAILS LINK	TOTAL LISTINGS
TSCA-US	Toxics Substance Control Sites	ERS Supplemental Govt Sources	Click Here	None Found
UIC-AZ	Underground Injection Control Wells	ERS Supplemental Govt Sources	Click Here	None Found
UMTRA-US	Historical Uranium Mill Tailings Remedial Action Sites	ERS Supplemental Govt Sources	Click Here	None Found
USGS- Waterwells-US	Ground Water Site Inventory	Ground Water Site Inventory ERS Supplemental Govt Sources		None Found
UST-AZ	Storage Tank Facility Data, USTs (aka Underground Storage Tank Listing)	State/Tribal UST	Click Here	None Found
Vapor- Intrusions-US	Vapor Intrusion Database	ERS Supplemental Govt Sources	Click Here	None Found
VCP-Closed- AZ	Voluntary Remediation Program Sites, Closed Cases	State/Tribal Voluntary Cleanup Sites	Click Here	None Found
VCP-Open-AZ	Voluntary Remediation Program Sites, Open Cases	State/Tribal Voluntary Cleanup Sites	Click Here	None Found
VCP-Other-AZ	Voluntary Remediation Program Sites	State/Tribal Voluntary Cleanup Sites	Click Here	None Found
Waste-tire-AZ	Waste Tire Sites	ERS Supplemental Govt Sources	Click Here	None Found
Wells-AZ	Arizona Wells	ERS Supplemental Govt Sources	Click Here	None Found
WQARF-AZ	Water Quality Assurance Revolving Fund (WQARF) Sites	State/Tribal NPL	Click Here	None Found



UN-MAPPABLE OCCURRENCES

The following occurrences were not mapped primarily due to incomplete or inaccurate address information. All of the following occurrences were determined to share the same zip code as the area searched. General status information is given with each occurrence along with any address information entered by the agency responsible for the list.

ID	Facility Name	Address	Database	Status
No "un-mapped" sites requested.				



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The data presented in this report should only be interpreted by an experienced environmental professional, as per EPA definition, that completely understands the potential inaccuracy of the data derived from others, the possible existence of contaminated occurrences that have not been listed, and the possibility that the governmental database misrepresents the actual status of an occurrence or listing. Prior to relying completely on any of the data within this report, an environmental professional should verify the accuracy of the information presented unless one of ERS's Environmental Professionals has interpreted the data and/or report.

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ERS does however stand behind its representation of the data, any manually plotted occurrences, any risk determinations and all other items directly under its control. This report does comply (as far as the data is reasonably ascertainable as outlined in both the following standards) with section 8.2.1 of ASTM 1527-13 – Standard Environmental Record Sources and EPA's 40 CFR Part 312, All Appropriate Inquiries. **ERS** does ensure that the data is accurately reproduced from the original source. **ERS** backs the reporting of the data with \$3,000,000 of General and Environmental Professional Liability (errors and omissions) Insurance!

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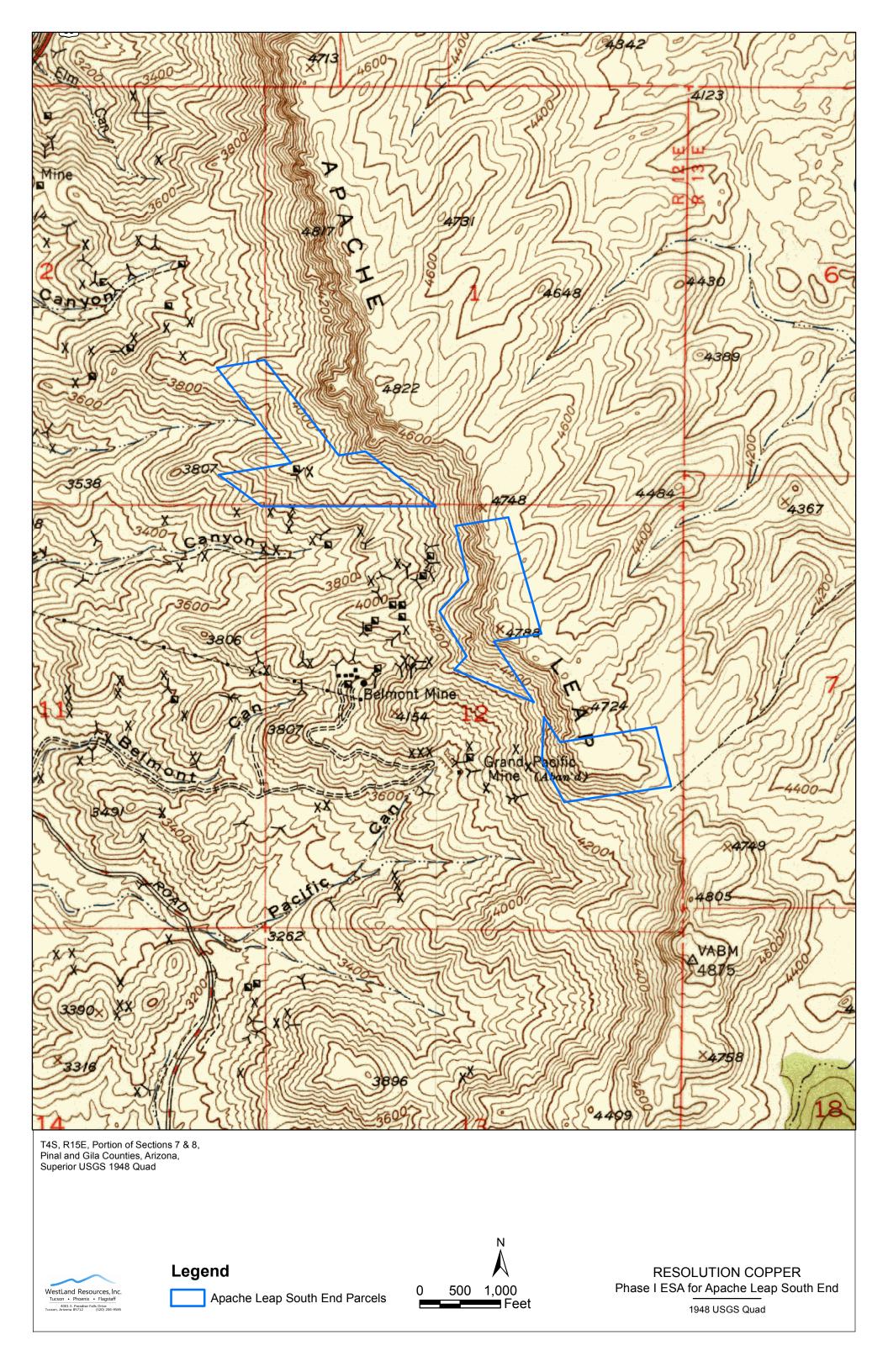
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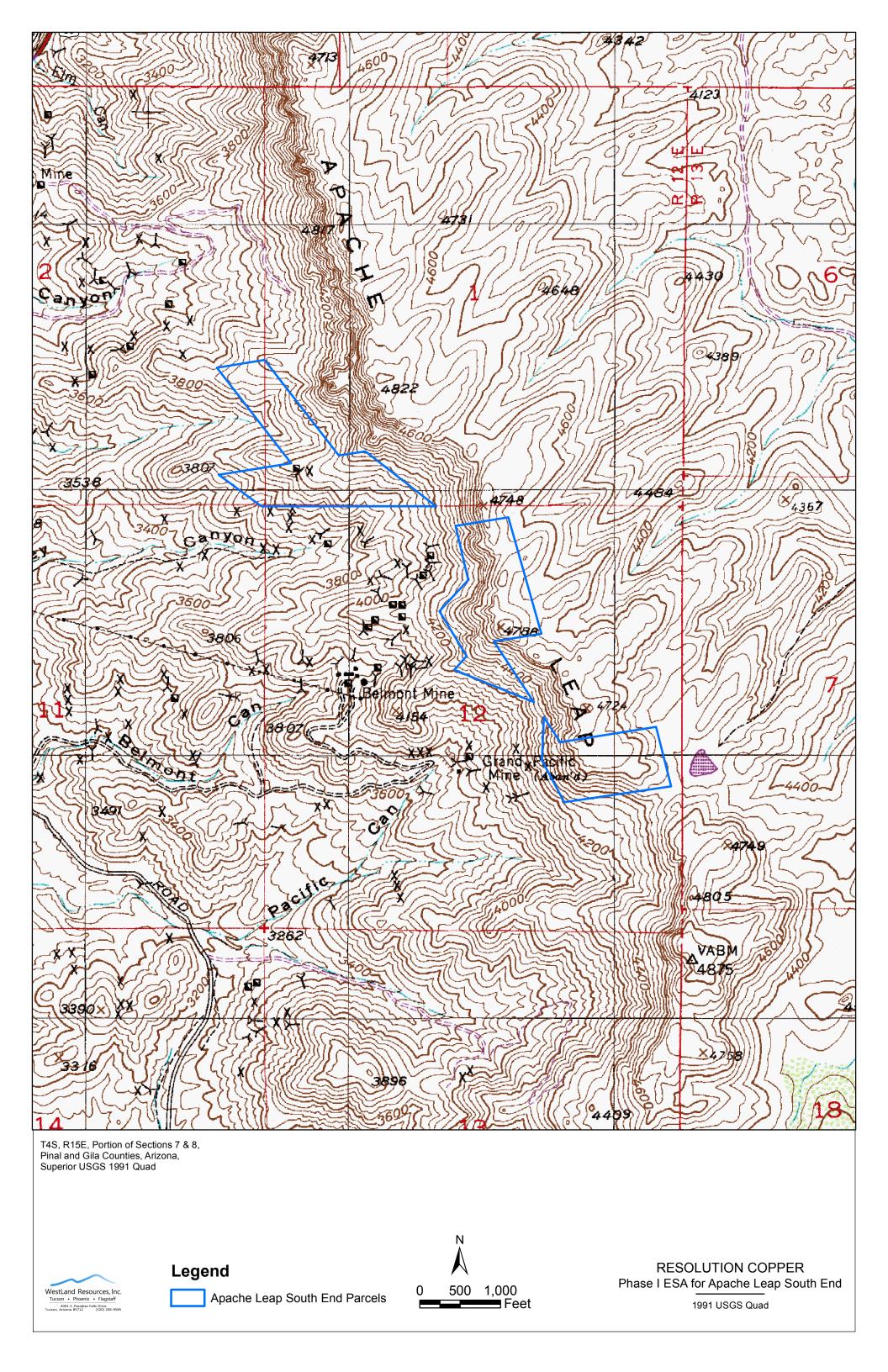
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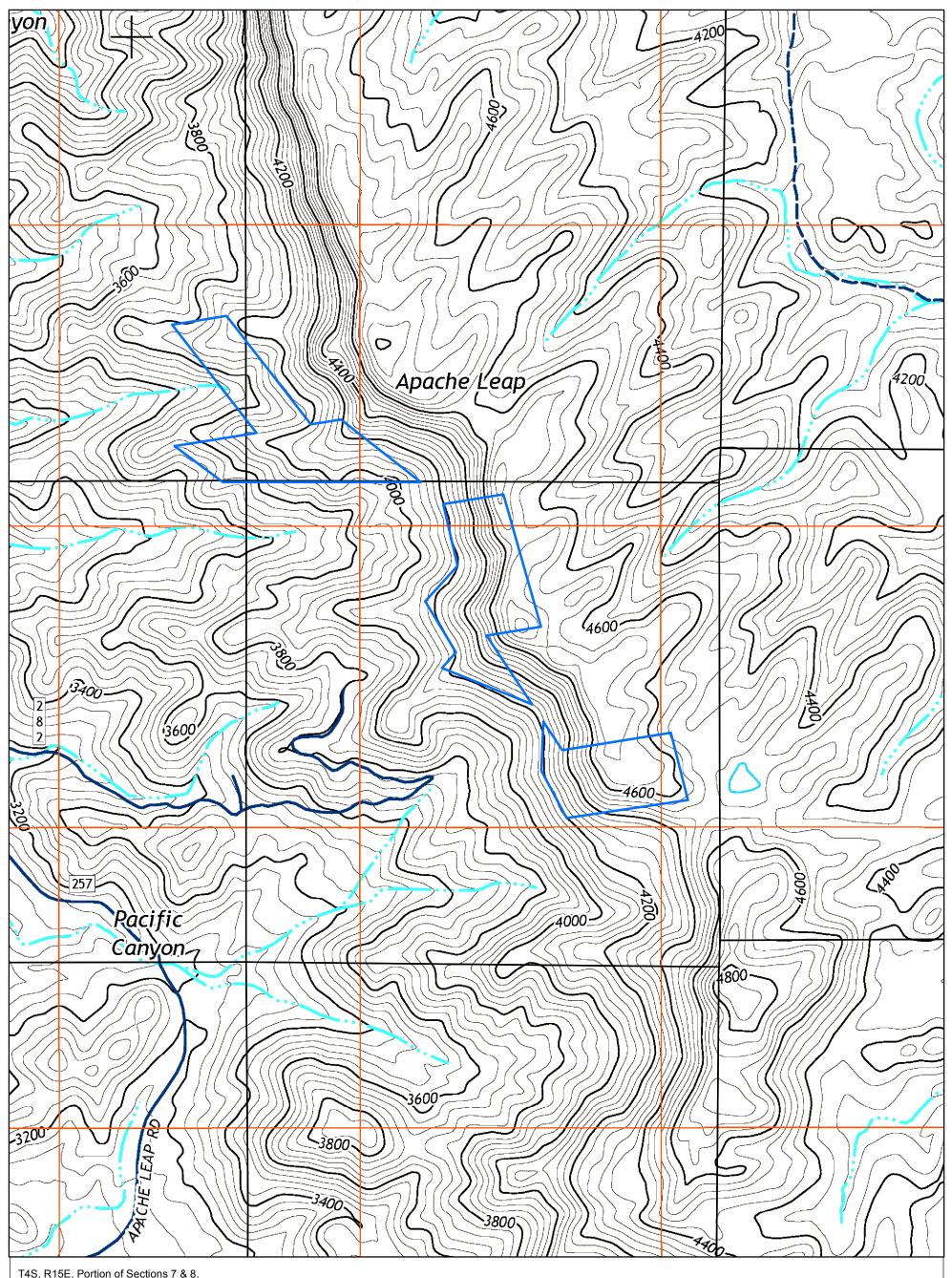
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APPENDIX E

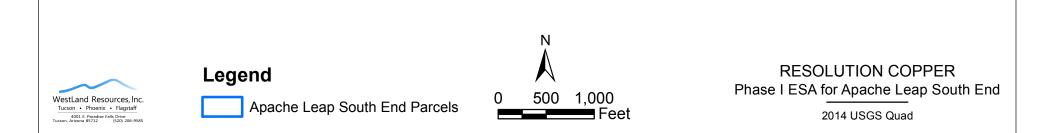
Historical Topographic Photographs





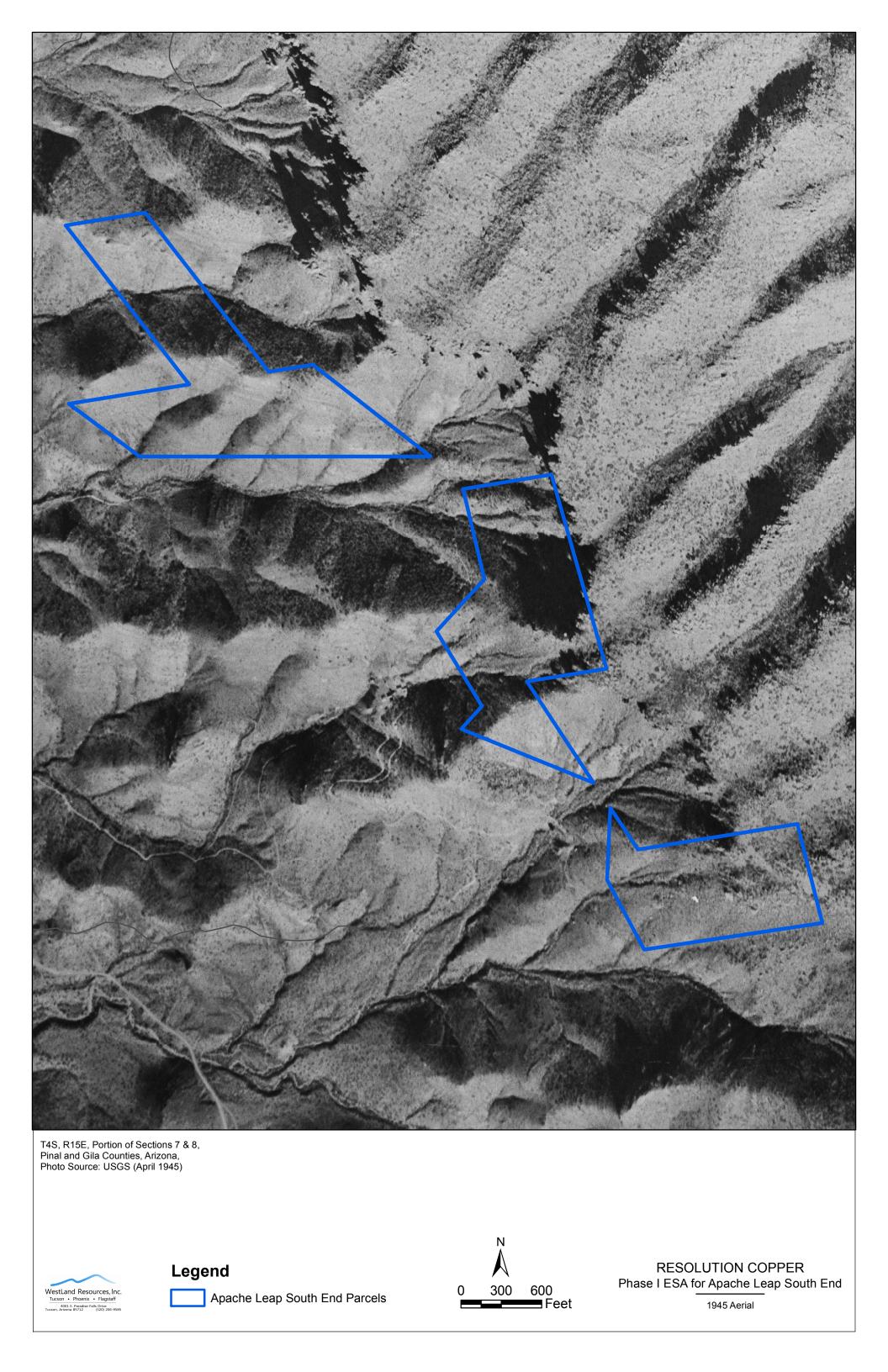


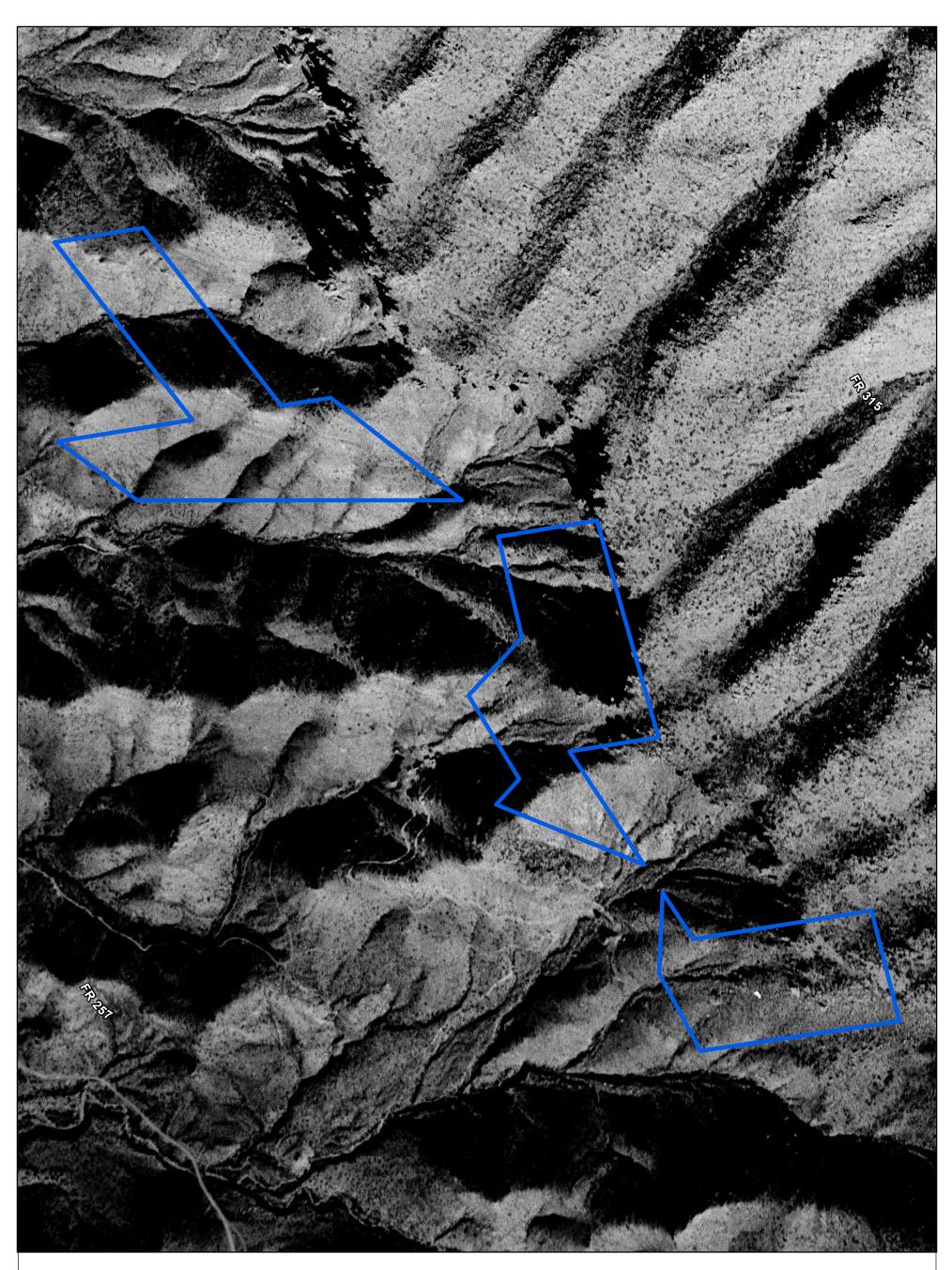
T4S, R15E, Portion of Sections 7 & 8, Pinal and Gila Counties, Arizona, Superior USGS 2014 Quad



APPENDIX F

Historical Aerial Photographs





T4S, R15E, Portion of Sections 7 & 8, Pinal and Gila Counties, Arizona, Photo Source: USGS (April 1953)



Legend

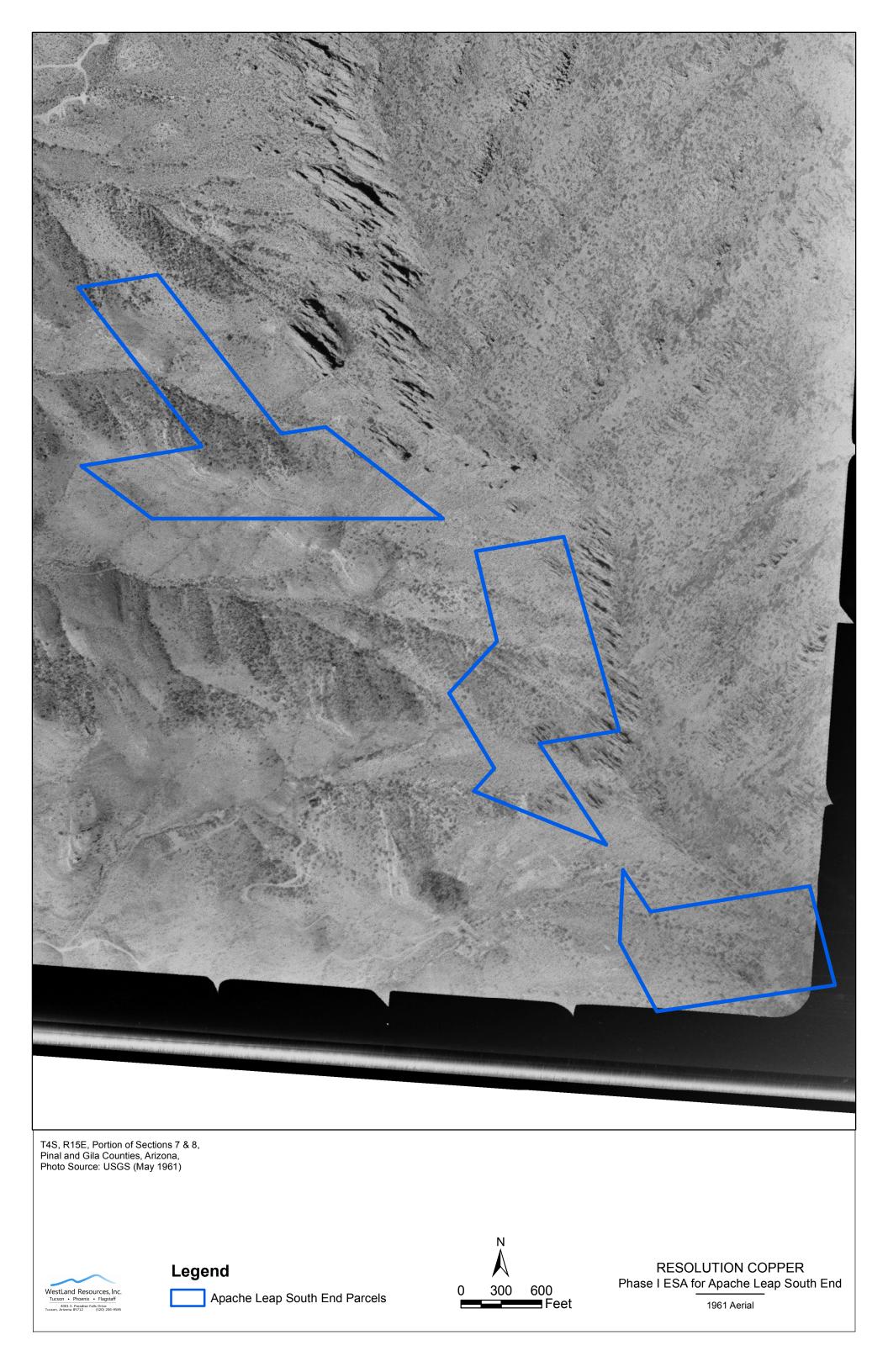
Apache Leap South End Parcels

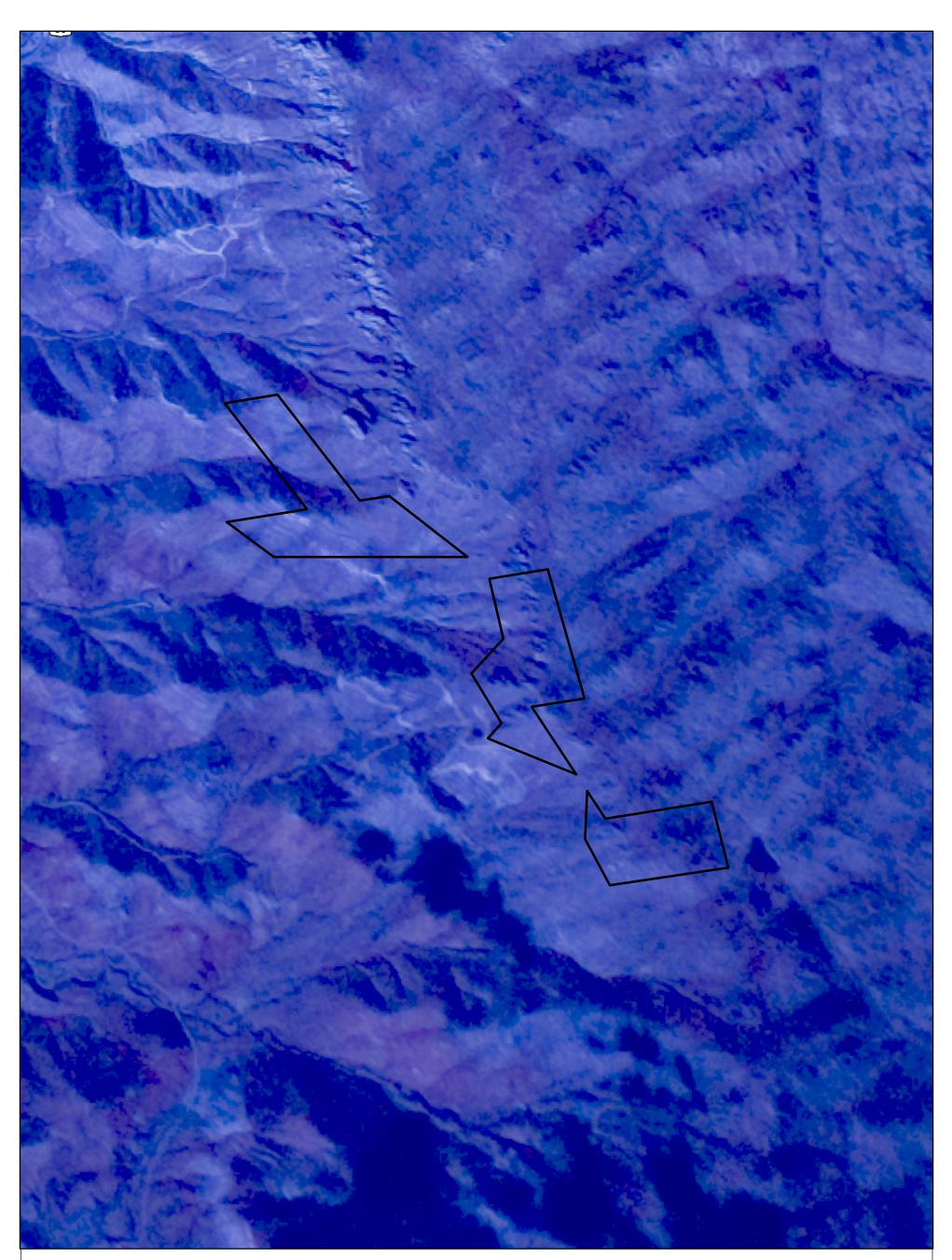


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RESOLUTION COPPER Phase I ESA for Apache Leap South End

1953 Aerial



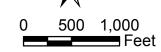


T4S, R15E, Portion of Sections 7 & 8, Pinal and Gila Counties, Arizona, Photo Source: USGS (March 1978)



Legend

Apache Leap South End Parcels



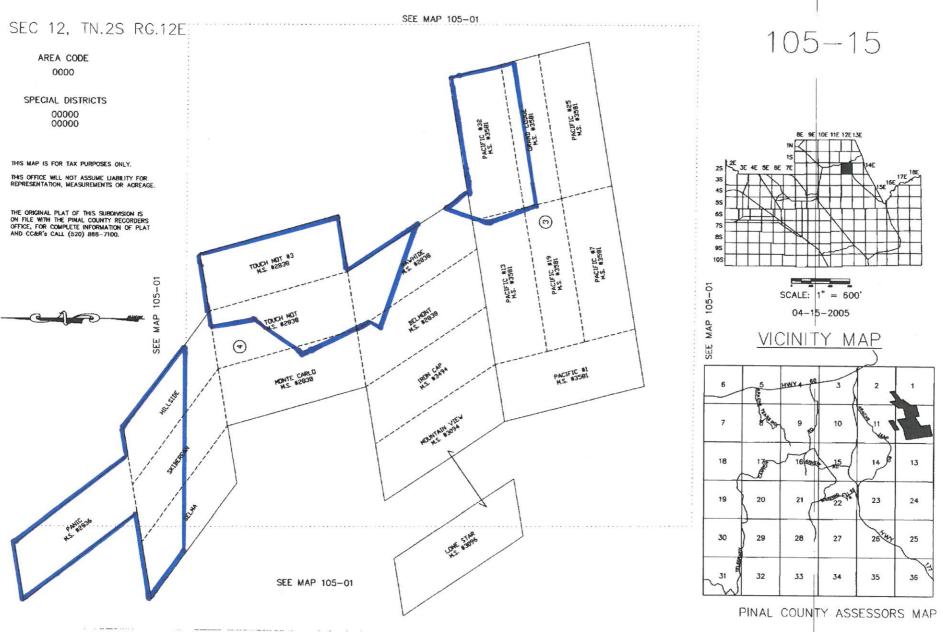
N

RESOLUTION COPPER Phase I ESA for Apache Leap South End

1978 Aerial

APPENDIX G

Pinal County Assessor's Records Map



APPENDIX H

Pinal County Assessor Property Detail Records

Parcel Search*

Start a New Search

Se	earch F	les	ults (1	Entrie	s)								oper	•
D Pa	arcel D	eta	ils (1	05-15-0	040)								oper	•
				re subject a. For upc	lated/corr	ect figure	s, please	refer to					nges in val te.	ue
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Parcel	Numbe	er:	105-1	5-0040 ()	View Tax	<u>Info</u>)	Prima	ry Ov	vner:	RESO LLC	LUTION	COPP	ER MININ	IG
Sectio	n:	То	wnshi	p:	Range	:	Name	2:		C/O F	RTSS TA	X SER	VICES	
Map:	<u>Assess</u>	or F	arcel V	<u>iewer</u>			In C/	D :						
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#2837		E CA	RLO #2	2838 PAN			State:			UT				
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Parcel Size:	220.00					
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):	\$449,423.00 Scomparable properties					
Limited Value (LPV):	\$287,903.00					
Real Property Ratio:						
Assessed FCV:	\$67,413.00					
Assessed LPV:	\$43,185.00					

Attached Personal Property: No Personal Property Listed

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

*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*

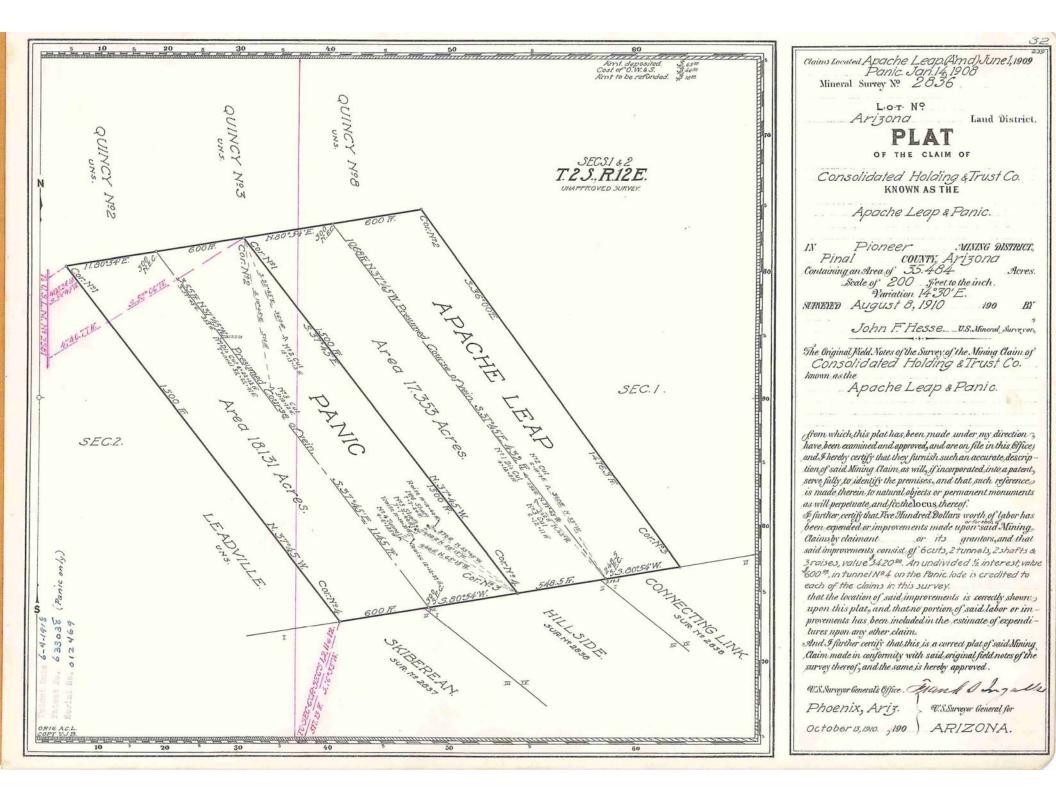
Start a New Search

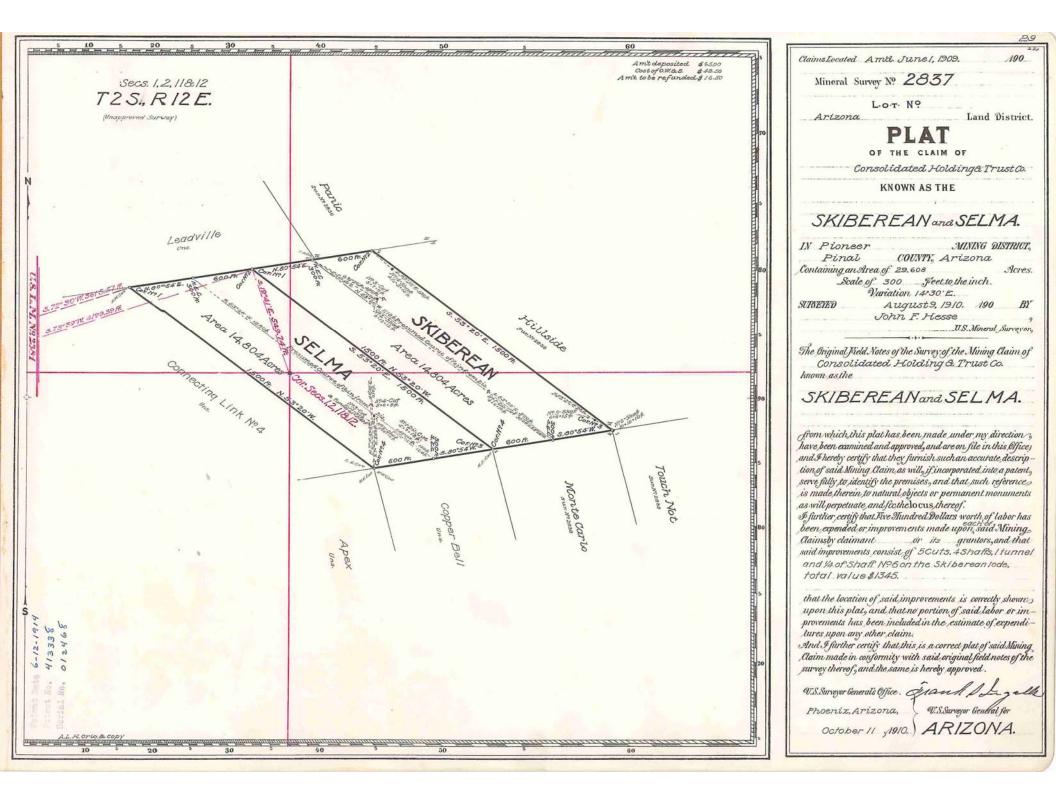
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				ns are subj n this data													
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Parcel	Numb	er:	10	5-15-003	0 (<u>View</u>	Tax Inf	f <mark>o</mark>)	Primary Owner: RESOLUTION COPPER MINING							IINING		
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Map:	Asses	sor I	Parce	<u>el Viewer</u>				In C/	0:								
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								State: UT									
								Zip Code: 84095			5						
Date o	of Reco	rdir	ng:	Not Give	en			Property Address (Location):									
Sale A	mount	:		Not Give	en												
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<u>2006-145165</u> 2005-009840						Unit:		B	Block	:	Lot:		Pha	se:			
					Yes		lo	Cabin	et:				Slide	:			
Wido	w					2	Х										
Wido	wer					2	х										
Disabled X																	
Senior Freeze X				х													
Imp:	0.00	Ite	em:														
Const	year:	0		Grnd Flr	Perim:	0											
Storie	es:		-	Total Sq.	Ft.:	0											
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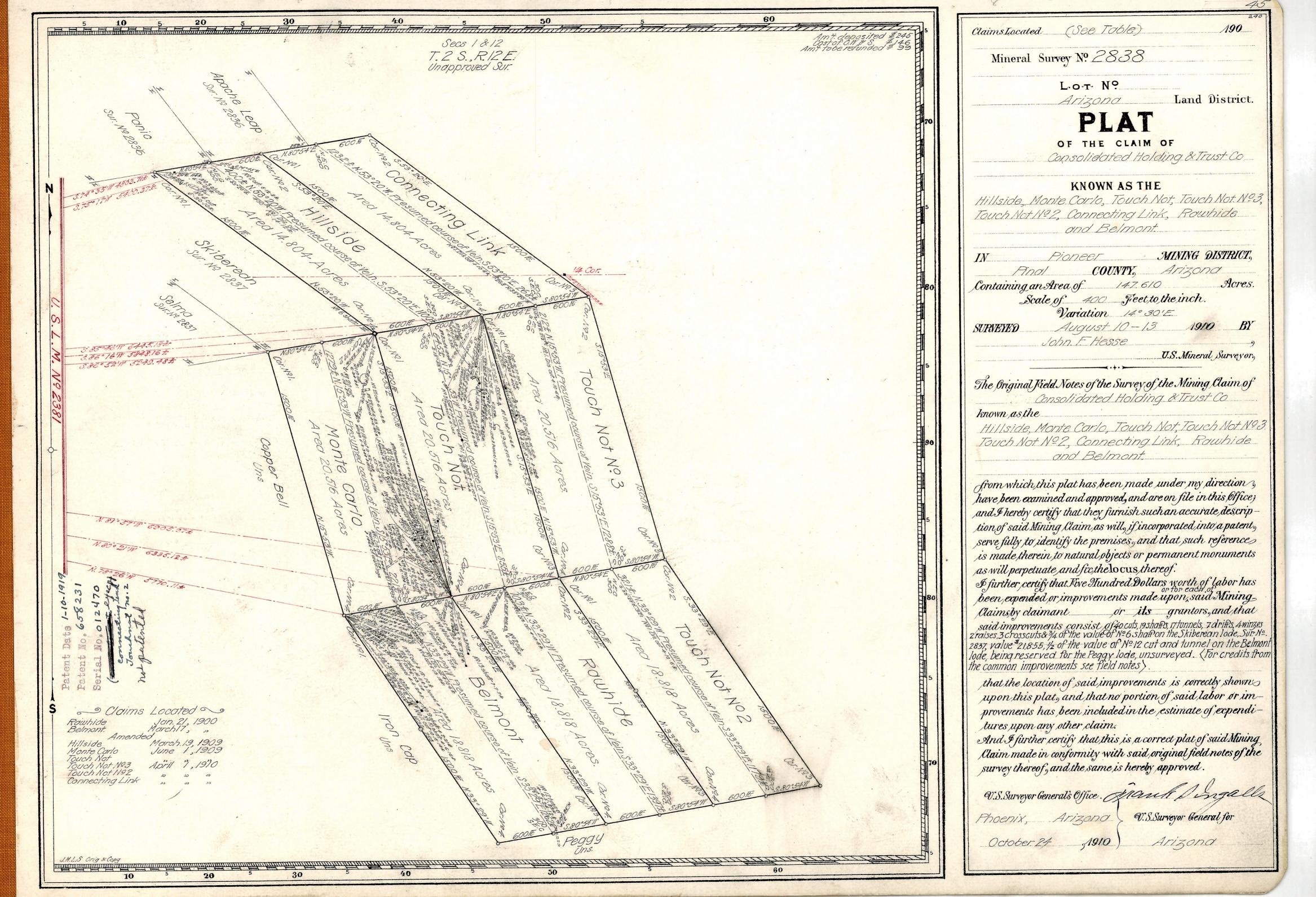
Parcel Size:	123.45							
Size Indicator:	Acres							
Tax Area Code:	1500 (Rates current as of 2019)							
Use Code:	0004	0004						
Land Legal Class:	02RL - Vacant Land / Non-Profit Imp							
Impr. Legal Class:	I Class:							
Full Cash Value (FCV):	\$252,188.00 Scomparable properties							
Limited Value (LPV):	\$163,283.00							
Real Property Ratio:								
Assessed FCV:	\$37,828.00							
Assessed LPV:	\$24,493.00							
	•							
Attached Personal Property: No Personal Property Listed								

APPENDIX I

Mineral Survey Plats and Arizona Bureau of Mines Bulletin I 51 Maps







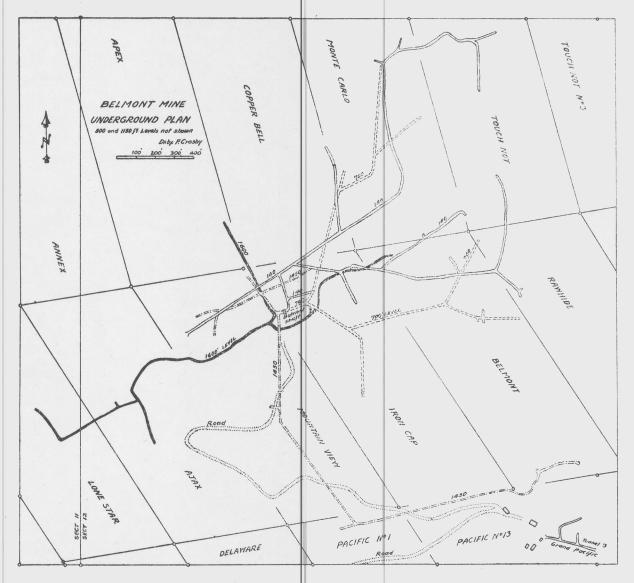
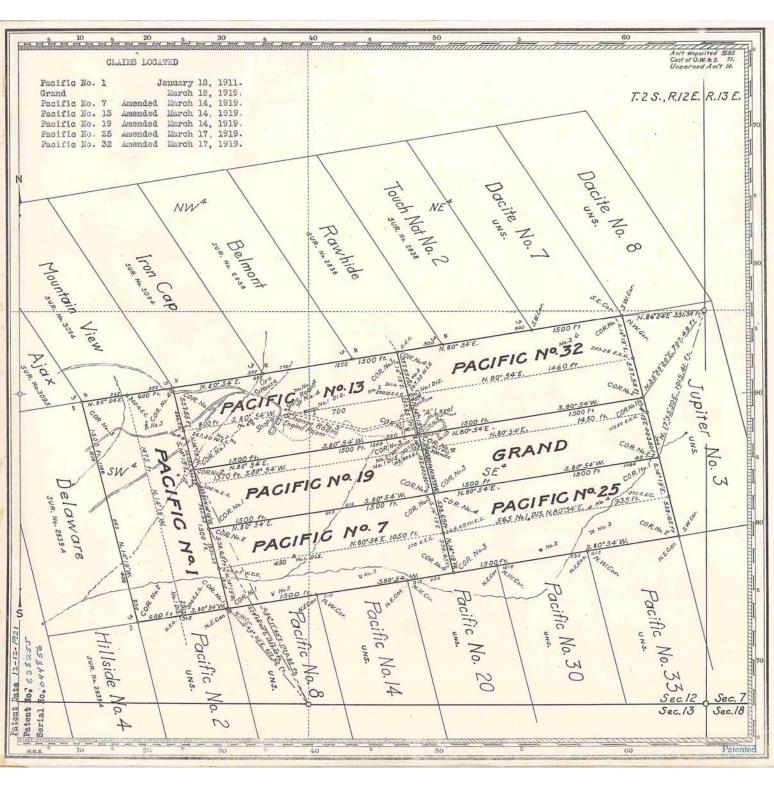


Plate XXXIV.-Composite level map, Belmont mine.



See Table Claim Located Mineral Survey No. 3581 LOT NO. Land District. Arizona PL 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, IN Pioneer COUNTY. Arizona Pinal 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. Doputy 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. 32, and GRAND 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 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. Les Grott OUT U.S. Surveyor General's Office. Phoenix, Arizona U.S. Surveyor General for. October 27, 1919. ARIZONA

APPENDIX J

Resumes



Education:

- MBA, University of Arizona
- BS, Civil Engineering, University of Arizona

Special Expertise:

- Environmental Site Assessments
- Energy Efficiency Analysis
- Water System Modeling and Pipe Network Analysis
- Large Water System Master Planning
- Water Pumping Facility Design and Permitting
- Site Civil Engineering
- Well Design and Permitting
- Reservoir Design and Analysis
- Infrastructure Route Studies
- Potable/Reclaimed Water Main Extensions
- Water and Wastewater Treatment Design
- Reclaimed/Sewer System Planning
- Contract Preparation and Bidding Services
- Construction Administration
- Water System Training
- Loan and Grant Application Preparation

Background:



Mark Taylor is an engineering Principal and one of WestLand's founders. He has over 30 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

Registration / Certification:

Arizona #22999, 1989

California #44219, 1989
Nevada #09281, 1991
New Mexico #14546, 1999

Professional Affiliations:

 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

provided training and presentations on water and wastewater system and energy efficiency topics in numerous forums. Mark acts as the Environmental Professional in overseeing and certifying Phase I Environmental Site Assessments (ESAs) for WestLand. He meets the education, training, and experience requirements as set forth in the All Appropriate Inquiry Rule (40 CFR §312.10(b)).

Mr. Taylor has conducted and certified numerous Phase I Environmental Site Assessments at various locations in Arizona for the past 12 years. Sites have included rural ranchlands, neighborhood areas, health centers, automotive and other commercial sites, transportation corridors, and industrial and mine properties. Experience includes site reconnaissance and characterization, environmental record sources review, personal interviews, identification of potential contaminate migration, and historical review in determination of potential recognized environmental conditions. Mr. Taylor has acted as the principal reviewer for technical reports.



Selected Experience:

Sahuarita Water Arsenic Treatment. *Principle in Charge* of the design and project coordination to construct an arsenic treatment facility for Sahuarita Water Company. The new 2,000 gpm adsorption arsenic treatment facility utilized a newly manufactured regenerable adsorptive media which meets both NSF and ADEQ requirements. Extensive coordination was required with many design professionals, water company staff, vendors, contractors, and regulators to accomplish this task. This facility will be the first adsorptive plant to implement the regenerable media and pilot testing was conducted to verify the overall performance against existing disposable media. Deliverables included a treatment system option evaluation, design report, an opinion of probable construction cost, and final plans and specifications. The facility was designed to be expandable for future needs. WestLand also provided construction bidding services for this project.

Las Quintas Serenas Water Company Arsenic Treatment and Well Site Upgrades; Green Valley, Arizona; Las Quintas Serenas Water Company. *Principal in Charge* of the design of arsenic treatment and water plant upgrades for Well Nos. 6 and 7. These included an iron media adsorption arsenic treatment system, a 400,000-gallon storage tank, and a 1,250-gpm variable-frequency-drive (VFD) transfer booster station. A new 2,500-lineal foot, 8-inch dedicated transmission water main was designed to connect Well No. 7 to the Well No. 6 site. Raw water from either or both wells is treated through the arsenic system at the Well No. 6 site, sent to fill the new tank, and pumped via the transfer booster station into the distribution system. Services provided by WestLand included site layout and grading; site piping and valving layout and sizing; preparation of booster pump and motor design specifications; and hydropneumatic tank design and associated equipment. WestLand prepared the design report, final plans and specifications, and engineer's opinion of probable construction cost.

Town of Oro Valley Potable Water Master Plan; Oro Valley, Arizona; Town of Oro Valley Water Utility. *Principal in Charge* of the development of a water system master plan whose scope was divided into four tasks. Task 1 consisted of public outreach and coordination with the Town, during which WestLand maintained a complete file of all correspondence, agendas, meeting minutes, memoranda, and data throughout the duration of the project. Task 2 involved the development of a project scope and approach, including the definition of key issues such as the geographic boundaries of the service area, the planning horizon, and the long-term goals of the water utility. Task 3 was the synthesis of the regulatory requirements and restraints, and the incorporation of these regulatory components into the design approach for the master plan. Task 4 consisted of the identification of the infrastructure required to correct existing system deficiencies and a determination of the future infrastructure required to support development within the ultimate Town service area.

City of Nogales Arsenic Treatment City of Nogales Utilities Department. *Principal in Charge* of the development of design criteria for arsenic treatment at the Meadow Hills Wells Nos. 1 and 3 and Coronado Well No. 1. The Meadow Hills wells pump directly into the water distribution system and fill the existing City of Nogales North Zone storage tank, while the Coronado well pumps to the existing High School storage tank located in the City of Nogales Downtown Pressure Zone. All three wells required arsenic treatment in order to meet the new EPA arsenic standard. Arsenic treatment consisted of a dual-vessel iron-media adsorption system located at each well site.

Northwest CAP Delivery System Preliminary Route Evaluation and Analysis; Northwestern Pima County; Northwest Water Providers. *Principal in Charge.* For over a decade, the Flowing Wells Irrigation District, Metropolitan Domestic Water Improvement District, Town of Marana, and Town of Oro Valley have worked collaboratively to develop a sustainable water supply for their customers. This effort has evolved over time to focus on the establishment of a water delivery system to deliver Central Arizona Project water to northwestern Pima County. As part of this effort, Mr. Taylor served as Principal-in-Charge of the development of a route analysis for the delivery system that would allow for the direct use of CAP water by each partner. The project consisted of three planning/engineering tasks: Task 1 – preliminary route evaluation, screening, and route evaluation matrix preparation; Task 2 – technical evaluation of alternative routes; and Task 3 – final route evaluation. Five potentially feasible routes were reviewed during the preliminary evaluation and screening process, two of which were identified for more detailed study.



Community Water Wells Nos. 10 and 11 Reservoir, Arsenic Treatment, Booster Station, and Transmission Main; Green Valley, Arizona; Community Water of Green Valley. *Principal in Charge* of the design of Community Water Well Nos. 10 and 11 sites, including arsenic treatment facilities, new 300,000-gallon forebay reservoirs, and booster pump stations. The new wells were designed to pump through a Layne Christensen coagulation filtration arsenic treatment process into onsite forebay reservoir. The reservoirs provide treated source water to booster stations that pump through dedicated well transmission mains to fill the Community Water Reservoirs No. 2 and No. 3. WestLand prepared the design report, final plans and specifications, and engineer's opinion of probable construction cost. Services provided by WestLand included site layout and grading; site piping and valving layout and sizing; preparation of well pump, column, and motor design specifications; and hydropneumatic tank design and associated equipment. In addition, several miles of 16-inch water main were designed to transport treated potable water to the Community Water reservoirs.

Red Rock Water Plant No. 1 Nitrate Treatment Plant; Pinal County, Arizona; Red Rock Utilities, LLC. *Principal in Charge* of the design of a nitrate treatment facility to mitigate the tested nitrate concentration of 10 to 12 parts per million at Water Plant No. 1. (The current primary maximum nitrate concentration limit is 10 ppm.) The treatment facility was installed at the discharge of the existing wellhead to treat half the full flow of 800 gpm to an approximate final mixed (half treated, half bypassed) nitrate concentration of 8 ppm. The facility consists of four steel filtration vessels that contain a chloride form of anion exchange resin media. Nitrate ions are exchanged onto the media releasing chloride ions resulting in a reduced nitrate concentration in the treated water. The media is then backwashed with a sodium chloride brine solution to remove the nitrate ions and replace them with fresh chloride ions. The spent brine backwash water is sent to a holding tank for continuous low-flow disposal to the public sewer system. The treated water is sent to an existing onsite forebay reservoir.

Freeport-McMoRan Sierrita, Groundwater Mitigation Project. *Principal in Charge.* WestLand prepared design plans and specifications for a groundwater mitigation project to intercept groundwater from the mine site and deliver it back to the plant site to implement best environmental management practices. The project consisted of the site and equipping design for 19 new groundwater wells, a 350,000-gallon open-top welded steel reservoir, a 10,500 gpm booster station, and 13.2 miles of 8- to 36-inch HDPE pipeline. The project also included medium voltage transmission, distribution, and switchgear design, instrumentation and control for wells and booster station sites, Operation and Maintenance Manual, surge analysis, detailed cost estimates, and environmental permitting. WestLand is providing bidding assistance and construction period services for shop drawing reviews.

Freeport-McMoRan Sierrita – SXEW Facility Filtration Plant. *Principal in Charge* of the design and project coordination to construct a filtration facility for the Freeport McMoran (FMI) solvent extraction and electro winning (SXEW) processing plant. The new filtration system consisted of two 10,000 gallon stainless steel filters to remove organics from the SXEW process effluent prior to further processing at the crystal plant. The process included a 290 gallons per minute (gpm) variable frequency drive (VFD) pump station pumping the pregnant liquor through the filtration plant to remove the organics from the system and backwash the organics to waste. The project included design of the pumping system, piping, valving, backwash system, control system, air-blower/scour system and structural design of slab and tanks.

Freeport-McMoRan Sierrita. Potable Water Wells, Booster Station, Reservoir and Arsenic Treatment Systems. *Principal in Charge* for scope of services included preparation of design documents and bidding and construction period services for the design of two new water plant sites, each of which included a new 2,500 gpm variable frequency drive, potable water wells, a coagulation-filtration arsenic treatment plant, 300,000-gallon forebay reservoir, and 2,500 gpm booster station. This project also included two miles of 16-inch transmission pipeline, including borings for interstate and wash crossings. WestLand also provided cultural resource surveys, native plant and environmental surveys, and mitigation.

Tonopah Desert Recharge Project – Recovery Wellfield and Treatment Plant. *Principal in Charge.* The Tonopah Desert Recharge Project (TDRP) is a facility owned by the Central Arizona Project (CAP) to recharge and bank Colorado River water into the west Salt River Valley Groundwater Basin. WestLand developed conceptual designs for a recovery



wellfield and arsenic/fluoride treatment plant to recover banked water from the aquifer and return it to the CAP canal. The project included the design of 9 wells with 2,750 gpm of flow each, which are to be constructed in 3 phases over 20 years as the project's recovery requirements increase. The arsenic/flouride treatment plant is also designed to ramp up its treatment capacity in phases as both the volume of water treated and the concentration of contaminants increase. Ultimately the wellfield is designed to recover 480,000 acre-feet of water over the life of the project. These designs, as well as capital costs and operations and maintenance costs, were presented in a report prepared for CAP. This project was completed in cooperation with CAP and Montgomery and Associates.

Red Rock Nitrate Treatment. *Principal in Charge* of the design and project coordination to construct an 800 gpm nitrate treatment plant. The nitrate treatment facility consists of steel filtration vessels which contain a chloride form of anion exchange resin media. The system is designed so that only enough of the stream is treated to meet the 8 mg/l nitrate goal by continuously testing the nitrate level in the blended water. The treated water is sent to an existing storage reservoir for distribution. Extensive coordination was required with many design professionals, water company staff, vendors, contractors, and regulators to accomplish this task.

University of Arizona Tech Park - Independent Audit of Drinking Water System 20-567. *Principal in Charge.* WestLand provided an audit/evaluation of the drinking water sampling plan and locations currently used by the Project. Recommendations for testing were made and new locations were suggested for some of the current sampling I.D. points to prevent any false readings or sampling of water that is outside of the responsibility of the Project facilities management.

Red Rock Utilities 208 Plan Amendment; Pinal County, Arizona; Red Rock Utilities, LLC. *Principal in Charge* of the development of a 208 Plan Amendment that addresses the sanitary sewage collection, treatment, and disposal needs of a 1,300-acre residential, commercial, and industrial-use project in southern Pinal County. The plan amendment describes the 20-year needs of the development, including existing water reclamation facilities and planned expansions and improvements; the types of permits needed, including NPDES, APP, and reuse; construction priorities and schedules for completion; implementability; financing measures; and public participation. Total buildout capacity for the planning area is estimated to be 7.35 million gpd, and to meet the growing needs of the development, a 1.5-million-gpd expansion is required to the current sequencing batch reactor water reclamation facility. Generally, onsite gravity sewers will collect the sanitary sewage and convey that flow to an existing or proposed wastewater reclamation facility, although sewage lift stations and force mains may be necessary.

Town of Patagonia Wastewater Treatment Facility; Patagonia, Arizona; Town of Patagonia. *Principal in Charge* of assisting the Town of Patagonia in the replacement of its aging wastewater treatment plant with an extended aeration plant with a capacity of 120,000 gpd. The replacement plant was designed to handle anticipated growth within the service area and was constructed to treat an average of 110,000 gpd of effluent. Other facilities constructed as part of the design included an anoxic basin, two aeration basins, a new blower, a belt press for sludge processing, a new sewer lift station, and a new headworks with flow meter and screenings removal.



CHRISTOPHER E. RIFE, MS



Phase 1 ESA Specialist

Experience: 12+ Years Education:

- MS, Environmental Policy and Management/University of Denver
- BA, Philosophy/Humboldt State University
- Additional Coursework in Hazardous Materials Management and Wetlands Science

BACKGROUND:

Mr. Rife is a Senior Project Manager in the Environmental Services Group. He specializes in regulatory compliance for environmental and engineering 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. He has over 20 years of experience in federal and state environmental regulatory programs covering a broad range of business sectors. His Phase I Environmental Site Assessment (ESA) experience includes underground storage tank (UST) investigations, solid and hazardous waste, and health and safety audit services. He has over 12 years of experience conducting ESAs and has been responsible for ESA projects for more than 350 broad-ranging sites, including public, private, and industrial properties; solid waste facilities; mines; and he has conducted pilot-scale testing of remedial systems.

SELECTED EXPERIENCE:

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.

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.)



Christopher E. Rife, page -2-

Newmire Smelter Site; Telluride, Colorado. Project Manager. Mr. Rife managed a permitting project for site remediation activities required under an agreement with the State of Colorado. Technical work 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 under the Clean Water Act Section 404 program.

Former Satralloy Site; Steubenville, Ohio. Project Manager. Mr. Rife is currently serving as permitting manager for a team conducting interim actions for a remedial investigation/feasibility study (RI/FS) of an abandoned chromium smelter site in eastern Ohio. Assignments have included environmental permitting support in regard to state and federal wetlands and waterways programs, and engineering support for infrastructure improvements to facilitate transportation to the site. Mr. Rife was responsible for environmental support activities, including compliance with the federal Clean Water Act Section 404 program and state isolated wetlands permit program. Federal- and state-jurisdictional wetlands and waterbodies are present and may be filled by future project actions. A preconstruction notification under the Section 404 Nationwide Permit 38, Cleanup of Toxic and Hazardous Waste, has been prepared and submitted to the U.S. Army Corps of Engineers to authorize placement of fill in waters of the United States for the remedial actions. The documentation included a jurisdictional delineation, biological evaluation, and cultural resources review. Mr. Rife's work has also supported an Ecological Risk Assessment conducted by others on the project team. Mr. Rife also oversaw transportation-engineering assignments, including railroad and bridge design, to allow heavy equipment and materials to be transported to and from the site for the RI/FS. (Transportation services provided at previous firm.)

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.



DIANA L. SANDOVAL, MA



Senior Environmental Project Manager

Experience: 12+ Years Education:

- MA, Land Use and Community Planning/Northern Arizona University With Distinction
- BSc, Regional Development/University of Arizona CumLaude
- ATSM Phase I and Phase II Environmental Site Assessments for Commercial Real Estate Workshop

Registration / Certification:

- Mine Safety and Health Administration Certification
- 90-hour Real Estate Pre-licensing

BACKGROUND:

Diana Sandoval is a senior environmental project manager with a master's degree in land use and community planning and 12 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.

Ms. Sandoval has prepared numerous Phase I Environmental Site Assessments (ESAs) for various property types pursuant to American Society for Testing and Materials (ASTM) standards E1527-05, 1527-13 and E2247-08. She has also completed Preliminary Initial Site Assessments (PISAs) for public roadway projects prepared in accordance with Arizona Department of Transportation/Federal Highway Administration requirements and Environmental Assessment and Mitigation Reports (EAMRs). Ms. Sandoval has completed ASTM technical and professional training for Phase I and II ESAs.

SELECTED EXPERIENCE:

Environmental Compliance for University of Arizona Science and Technology Park (UA Tech Park), Pima County, Arizona. 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 no-jurisdictional 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 biological evaluations, 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.



UA Tech Park at Rita Road Phase I ESA. Conducted a Phase I ESA for approximately 780 acres including a former industrial manufacturing facility and recently a multi-tenant commercial office and limited production technology research facility, office spaces, laboratory spaces, undeveloped open space, and recreational facilities. Assessment included review of prior complex prior site assessments, tank farms, chemical storage and distribution areas, railroad spur, closed industrial wastewater system and monitoring wells.

Pinal Central Substation to the Tortolita Substation Transmission Line Project, Tucson Electric Power (TEP), 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 AGFD 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 archeological 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.

ADDITIONAL EXPERIENCE:

- Completed Phase I ESA for Pima County Community Development and Neighborhood Conservation Department for the Copper Vista I and II subdivisions to support compliance with the U.S. Department of Housing and Urban Development (HUD) Neighborhood Stabilization Program 2 requirements. Numerous environmental records were assessed pursuant to the findings of the government database records review including the Tucson International Airport Area (TIAA) superfund site.
- Prepared numerous Phase I ESA reports for the Pima County Department of Environmental Quality also considering non-scope items, classified as outside the standard practice including: potential asbestos-containing building materials, potential lead-based paint, health and safety concerns, high-voltage power lines, and ecological resources.
- Completed Phase I ESAs for linear transportation projects involving potential real estate transactions including the Town of Marana's project replacing the Ina Road bridge crossing over the Santa Cruz River and the Pima County's Department of Transportation's roadway improvement project along Tanque Verde Road between Catalina Highway and Houghton Road.
- Completed several PISAs in anticipation of ADOT funding including the Town of Marana's project to improve Tangerine Road between Interstate-10 and La Canada, a project crossing into multiple jurisdictions including Pima County and the Town of Oro Valley; and the Town of Sahuarita's project replacing the Pima Mine Road bridge crossing over the Santa Cruz River.
- Prepared Environmental Information Documentation (EID) and facilitated Environmental Protection Agency (EPA) review in accordance with Environmental Review Guide for Special Appropriations Grants for Pomerene Domestic Water Improvement District Drinking Water Quality Improvement Project.



Education:	Registration / Certification:				
MS, Environmental Engineering, University of Arizona	• Arizona #66736, 2018				
• BS, Civil Engineering, University of Arizona					
Special Expertise:					
Water System Hydraulic Modeling	Preliminary Engineering Report & Grant Application				
• Water Pumping Facility Design and Permitting	Preparation				
Well Design and Permitting	• Phase I Environmental Site Assessments (ESAs)				
Water and Wastewater Treatment	Bentley WaterCAD				
• Hazardous Wastes	AutoCAD Civil 3D				

Background:

Mr. Patrick Mette is a Civil and Environmental Engineer with experience in water system design, research, water treatment, construction inspections, Phase I ESAs, and non-profit engineering in developing communities. Mr. Mette performed as a field inspector for the Arizona Department of Transportation on several construction projects as an intern. He also worked as an undergraduate and graduate researcher at the University of Arizona for three years working on reverse osmosis, ion exchange, and solar membrane distillation projects in the lab and in the field, providing operation, analysis, design, and construction services. Mr. Mette spent nearly a year in the Andes Mountains of Bolivia working on rural water projects and providing training to Bolivian engineers on surveying, AutoCAD, and hydraulic modeling. While in school, Mr. Mette's coursework included water treatment, wastewater treatment, and hazardous waste management.

Since joining WestLand, Mr. Mette has worked on numerous projects designing booster stations and wells, analyzing water systems, developing hydraulic models, preparing preliminary engineering reports (PER), and developing cost estimates. He has also prepared technical memorandums on subjects ranging from "sewer pipe product comparisons" to "water system project prioritization". Mr. Mette has been working on Phase I ESAs with WestLand since 2016.

Selected Experience:

Phase I Environmental Site Assessment's in Cochise County; El Dorado Benson, LLC. *Engineering Technician.* WestLand assessed 4 properties and prepared 3 Phase I Environmental Site Assessments (ESA's) for El Dorado Benson, LLC.

Phase I Environmental Site Assessment for Montanas del Sol Property; Freeport McMoRan Sierrita Inc. *Engineering Technician.* WestLand assessed and prepared a Phase I Environmental Site Assessment (ESA) for FMI.

Phase I Environmental Site Assessment for Superior Airport Contiguous Parcels; Resolution Copper. *Engineering Technician.* WestLand assessed and prepared a Phase I Environmental Site Assessment (ESA) for Resolution Copper for a series of properties in Superior, Arizona.

Phase I Environmental Site Assessment for the Fairview Cemetery; Resolution Copper. *Engineering Technician.* WestLand assessed and prepared a Phase I Environmental Site Assessment (ESA) for Resolution Copper for a cemetery property in Superior, Arizona.

New Well and Water Main, BECC Funded Project; Whetstone Water Improvement District. *Project Manager.* WestLand is working with the Whetstone Water Improvement District (WWID) and the Border Environment Cooperation Commission (BECC) to fund four projects within the WWID water system that WestLand designed in order to address problems of insufficient system redundancy, declining well capacity, and aging infrastructure. WestLand coordinated with BECC to obtain funding for the design of the previously mentioned projects and is now working to obtain funding for their construction.



SAMANTHA BLONDER, MS



Environmental Specialist

Experience: 4 Years Education:

- MS, Environmental Science/Florida Gulf CoastUniversity
- BS, Biology/University of South Florida

Registration / Certification:

MSHACertification

BACKGROUND:

Samantha Blonder is an Environmental Specialist with 4 years of experience gained 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: Endangered Species Act (ESA); National Environmental Policy Act (NEPA); Clean Water Act (CWA); Conservation Plans; Field Work; Data Collection and Data Entry; and Water Quality Collection and Analysis.

SELECTED EXPERIENCE:

Harquahala Valley Water Project Environmental Assessment. Environmental Specialist. WestLand Resources was hired 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.

Oro Valley Water Utility Northwest Recharge, Recovery and Delivery System (NWRRDS) Design. Environmental Specialist. The WestLand Resources 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 conducted 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.