# Phase I Environmental Site Assessment Dripping Springs, Gila and Pinal Counties, Arizona

# Prepared for:

# RESOLUTION

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

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WestLand Project Number: 13095



# May 15, 2025





# **Table of Contents**

EXE	CUT	IVE SU	MMARY	ES-1		
1.	INTRODUCTION					
	1.1.	1.1. Purpose				
	1.2.	Scope	of Services	2		
	1.3.	Limitati	ons and Exceptions	2		
	1.4.	Specia	ecial Terms and Conditions			
	1.5.	User R	eliance	3		
	1.6.	Continu	ued Viability	3		
2.	SITE DESCRIPTION					
	2.1.	n and Legal Description	4			
	2.2.	d Vicinity General Characteristics	4			
	2.3.	Curren	t Use of the Property	4		
	2.4.	Descrip	otion of Structures, Roads, and Other Improvements on the Site	4		
	2.5.	Curren	t Uses of Adjoining Properties	4		
3.	USE	R PRO	/IDED INFORMATION	5		
	3.1.	Title Re	ecords	5		
	3.2.	Enviror	nmental Liens or Activity and Use Limitations	5		
	3.3.	Specia	lized Knowledge	5		
	3.4.	3.4. Commonly Known or Reasonably Ascertainable Information				
	3.5.	3.5. Valuation Reduction for Environmental Issues				
	3.6.	6. Reason for Performing a Phase I ESA				
	3.7.	3.7. Other				
4.	RECORDS REVIEW					
	4.1.	1. Environmental Record Sources				
	4.2.	l.2. Prior Environmental Reports				
	4.3.	Physica	Physical Setting			
		4.3.1.	Topography	7		
		4.3.2.	Soils	7		
		4.3.3.	Geology	8		
		4.3.4.	Hydrology	8		
		4.3.5.	Hydrogeology	8		
	4.4.	Historical Use Information on the Property and Adjoining Properties		9		
		4.4.1.	Historical Topographic Maps	9		
		4.4.2.	Historical Aerial Photographs	10		
		4.4.3.	Property Tax Files	10		
		4.4.4.	Local Street Directories	10		
		4.4.5.	Sanborn Fire Insurance Maps	11		

		4.4.6.	Other Historical Sources	11	
5.	SITE	RECO	NNAISSANCE	11	
	5.1.	Methodology and Limiting Conditions			
	5.2.	2. Indications of Past Uses of the Property			
	5.3.	Exterior Observations			
		5.3.1.	Hazardous Substances and Petroleum Product Containers in Connection		
			with Identified Uses	12	
		5.3.2.	Hazardous Substance and Petroleum Product Containers not in Connection		
			with Identified Uses	13	
		5.3.3.	Storage Tanks (Aboveground and Underground)	13	
		5.3.4.	Unidentified Substance Containers	13	
		5.3.5.	Drums	13	
		5.3.6.	Odors	13	
		5.3.7.	Pools of Liquid, Pits, Ponds, or Lagoons	13	
		5.3.8.	Wastewater	13	
		5.3.9.	Septic Systems	13	
		5.3.10.	Wells	13	
		5.3.11.	Stained Soil or Pavement	13	
		5.3.12.	Stressed Vegetation	14	
		5.3.13.	Solid Waste Disposal	14	
		5.3.14.	PCB Equipment	14	
	5.4.	Interior	Observations	14	
6.	INTERVIEWS				
	6.1.	Intervi	ew with Owner	14	
	6.2.	2. Interview with Site Manager			
	6.3.	3. Interviews with Occupants			
	6.4.	4. Interview with Local Government Officials			
	6.5.	.5. Interviews with Others			
7.	FINE	DINGS A	AND OPINIONS	15	
8.	CON	NCLUSION1			
9.		VIATIONS17			
10.	ADD	DDITIONAL SERVICES17			
11.	QUA	ALIFICA	TIONS AND SIGNATURE OF ENVIRONMENTAL PROFESSIONALS	18	
40	ОСС	EDENIC	250	10	

# **Figures**

(follow text)

Figure 1. Vicinity Map

Figure 2. Aerial Overview with ADWR Registered Wells

Figure 3. Surface Management

Figure 4. Site Reconnaissance Map with Select Features

# **Appendices**

Appendix A. Site Photographs

Appendix B. User and Owner Questionnaire

Appendix C. Environmental Lien and AUL Report

Appendix D. Radius Map Report

Appendix E. Historical Topographic Maps

Appendix F. Historical Aerial Photographs

Appendix G. Property Tax Map Report

Appendix H. Gila County Assessor Property Tax Records

Appendix I. City Directory Report

Appendix J. Sanborn Report

Appendix K. Building Permit Report

Appendix L. The BLM H-2000-01 Pre-Acquisition Environmental Site Assessments Checklist

Appendix M. Public Records Request

Appendix N. Resumes

# **EXECUTIVE SUMMARY**

WestLand Engineering & Environmental Services (WestLand) was retained by Resolution Copper Mining, LLC (Resolution; a report "User") to perform a Phase I Environmental Site Assessment (ESA) for the Dripping Springs parcel ("the Property"). The Property is presently under non-federal ownership (Resolution) but is proposed as part of a land exchange with the Bureau of Land Management (BLM; a report "User") under the *Southeast Arizona Land Exchange and Conservation Act of 2013* (U.S. Congress 113<sup>th</sup>). The Property is a private inholding surrounded by lands administered by the BLM and the Arizona State Land Department (ASLD) located within the Dripping Spring Mountains, north of the towns of Hayden and Winkelman, Arizona. The Property is composed of approximately 160 acres located in Sections 7 and 8 of Township 4 South, Range 15 East, relative to the Gila and Salt River Meridian, in Gila and Pinal Counties, Arizona (Figure 1). The Gila County Assessor's Parcel Numbers (APNs) for the Property are 101-01-005 and 101-01-006, which includes a portion of the Property that extends into Pinal County.

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

This Phase I ESA has been completed in accordance with the guidelines provided in the ASTM International (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Property (ASTM E 2247-23). The purpose of this work was to identify the presence or potential presence of recognized environmental conditions (RECs) resulting from past or present activities. According to ASTM guidelines, a REC is defined as "...(1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to any release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment. A de minimis condition is not a recognized environmental condition."

# **Findings**

Environmental Liens/Activity and Use Limitations

On February 20, 2025, WestLand engaged Environmental Data Resources (EDR) to conduct a search of available land title records for environmental liens and activity and use limitations (AULs) on the Property. A search was completed for Gila County APNs 101-01-005 and 101-01-006 and no records of environmental liens or AULs associated with the Property were identified. The current Warranty Deed for

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

the Property was executed March 24, 2020, and recorded on April 8, 2020, conveying ownership from Swift Current Land & Cattle LLC to Resolution.

#### Records Review

**Environmental Records**—WestLand contracted EDR to conduct an electronic search of regulatory agency databases for references to the Property and surrounding lands. The database search was completed on February 20, 2025, by conducting a search from the boundaries of the Property to the minimum search distance recommended by the ASTM standard. There were no records identified at the Property, or within the searched distance around the Property.

**Historical Topographic Maps**—WestLand reviewed historical topographic maps of the Property from 1910 to 2021. There are no developed features identified at the Property. Steamboat Mountain and Tam O'Shanter Peak are identified west and east of the Property, respectively. Several springs are depicted offsite north and west of the Property. Developed features on surrounding lands include unimproved roads, and water troughs more than 1 mile from the Property boundary as well as a mine located near Steamboat Mountain west of the Property within 1 mile of the Property.

Historical Aerial Photographs—WestLand reviewed historical aerial photographs of the Property from 1953 to 2019; these photographs depict the Property and approximately 1 mile surrounding the Property in all directions. None of these historical aerial photographs indicate development at the Property. There is some land scarring located near Steamboat Mountain between 1,000 and 2,000 feet west of the Property on the 1953 historical aerial photograph suspected to be associated with mine exploration or cattle ranching activities.

**Prior Environmental Reports**—Prior Phase I ESAs were completed by WestLand in 2015, 2020, and 2024 (WestLand 2015, 2020, 2024). The prior Phase I ESAs revealed no evidence of RECs, historical RECs, controlled RECs, or *de minimis* conditions for the Property Information from those reports is integrated into this report.

In 2020, the EDR report included a registered well site recorded immediately north of the Property. The well was drilled in 1983 at a depth of 82 feet below ground surface (bgs) and is registered to Janet A. Barton. There is no indication this well is associated with water treatment or disposal, and it was not included in the 2025 EDR report. There have been no changes related to a potential REC or the environmental condition of the Property since 2020.

# Physical Setting

The Property is located in the rugged uplands northeast of the Gila River. Notable peaks in the vicinity include Steamboat Mountain (rising to 3,373 feet above mean sea level [amsl]) immediately west of the Property and Tam O'Shanter Peak (rising to 4,633 feet amsl) southeast of the Property. The Property is characterized by rugged terrain with considerable vertical relief, composed largely of exposed rock faces, boulders of various sizes, rocky slopes, and generally poor or little soil development.

The Property is located within the Mammoth sub-basin of the Lower San Pedro groundwater basin. In this basin near the Property, the groundwater flow direction is from the mountains south toward the valley floor of the Gila River, and then along the river. The aquifer in the Mammoth sub-basin is made up of four water-bearing units: the floodplain aquifer, unconfined basin-fill, confined basin-fill, and the fractured and faulted portions of hard rock (WestLand 2016).

#### Historical Use

The Property and surrounding area are undeveloped open space. Historical land use at the Property may have included mineral exploration. Two adits—horizontal entrances to underground mines—were observed during site reconnaissance. The horizontal extent of the two adits, as well as any vertical underground workings, is unknown. The small size of the waste rock piles suggests that underground workings are not extensive. It is also possible that additional adits are present elsewhere on the Property in areas that were not accessed during site reconnaissance. 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 seepage, 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 at the Property and is not considered likely. None of the past or present land uses for the Property are indicative of a REC for the Property.

#### Site Reconnaissance

On March 14, 2025, WestLand environmental specialists, Christopher Rife and Ashlee Wolf, performed a site reconnaissance to visually assess existing environmental conditions for the Property. Photographs documenting pertinent features are provided in **Appendix A**. Past use of the Property appears to have been limited to small-scale mine exploration at two locations (as explained above), possibly hiking, and hunting/recreational shooting; a single shotgun shell was observed in 2015 but none were observed in 2023, 2024, or 2025. Rock cairns, likely indicating monuments for survey, were also observed at several locations of the Property. There is no road providing vehicular access to the Property. Adjoining land use appears to be similar to the Property and may additionally include cattle ranching. No evidence of livestock was observed during the site reconnaissance. The site reconnaissance did not identify any RECs associated with the Property.

#### Interviews

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

- The report User and Property owner: Casey McKeon, representative for Resolution.
- The BLM, also a report User; WestLand has not received a response to this inquiry.

• The Department of Forestry and Fire Management, Public Records Request; the Office of the State Fire Marshal has no documents regarding the Property.

Information provided through the interviews does not indicate the potential of RECs, historical RECs, controlled RECs, or *de minimis* conditions in connection with the Property.

# Recognized Environmental Conditions

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

# 1. INTRODUCTION

WestLand Engineering and Environmental Services (WestLand) was retained by Resolution Copper Mining, LLC, (Resolution; a report "User") to perform a Phase I Environmental Site Assessment (ESA) for the Dripping Springs parcel ("the Property"). The Property is presently under non-federal ownership (Resolution) but is proposed as part of a land exchange with the Bureau of Land Management (BLM; a report "User") under the *Southeast Arizona Land Exchange and Conservation Act of 2013* (U.S. Congress 113<sup>th</sup>). The Property is a private inholding surrounded by lands administered by the BLM and the Arizona State Land Department (ASLD), located within the Dripping Spring Mountains north of the towns of Hayden and Winkelman. The Property is composed of approximately 160 acres located in Sections 7 and 8 of Township 4 South, Range 15 East, relative to the Gila and Salt River Meridian, in Gila and Pinal Counties, Arizona (Figure 1). The Gila County Assessor's Parcel Numbers (APNs) for the Property are 101-01-005 and 101-01-006, which includes a portion of the Property that extends into Pinal County.

# 1.1. PURPOSE

The purpose of this investigation was to assess the Property and surrounding areas to identify the presence or potential presence of recognized environmental conditions (RECs) potentially resulting in environmental impacts to the Property. According to the ASTM International (ASTM) *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Property* (ASTM E 2247-23), a REC is defined as: "...(1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to any release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment. A *de minimis* condition is not a recognized environmental condition."

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

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

Protection Agency (EPA), state, or other parties conducting response or restoration actions; 5) complying with CERCLA information requests and subpoenas; and 6) providing legally required notices.

#### 1.2. SCOPE OF SERVICES

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

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

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

# 1.3. LIMITATIONS AND EXCEPTIONS

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

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

A Phase I ESA cannot, within its scope of assessment, wholly eliminate uncertainty regarding the potential presence of RECs. WestLand believes that the information in this report is reliable; however, WestLand cannot guarantee that the information provided by all the sources contained in this report is complete and

accurate. This report is intended to decrease, but not eliminate, uncertainty regarding the potential for RECs in connection with a property given reasonable limits of cost and time, and in a manner consistent with the customary practices of the environmental consulting industry, under similar circumstances at the time services were performed and in similar localities. It should be noted that the conditions at the Property could change as a result of natural processes or be altered by human activities at the Property and/or nearby sites.

#### 1.4. SPECIAL TERMS AND CONDITIONS

No special terms or conditions are associated with this report.

#### 1.5. USER RELIANCE

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

# 1.6. CONTINUED VIABILITY

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

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

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

# 2. SITE DESCRIPTION

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

#### 2.1. LOCATION AND LEGAL DESCRIPTION

The Property is situated within the Dripping Spring Mountains, north of the towns of Hayden and Winkelman, Arizona. Specifically, the Property is located in the north half of the southeast quarter of Section 7 and north half of the southwest quarter of Section 8, Township 4 South, Range 15 East, relative to the Gila and Salt River Meridian, in Gila and Pinal counties, Arizona (**Figure 1**). The Gila County APNs for the Property are 101-01-005 and 101-01-006, which includes a portion of the Property that extends into Pinal County.

# 2.2. SITE AND VICINITY GENERAL CHARACTERISTICS

The Property comprises approximately 160 acres and is located along the ridgeline of the northwest/southeast trending Dripping Spring Mountains. Notable peaks in the vicinity include Steamboat Mountain (rising to 3,373 feet above mean sea level [amsl]) immediately west of the Property and Tam O'Shanter Peak (rising to 4,633 feet amsl) southeast of the Property. The Property is characterized by rugged terrain with considerable vertical relief, composed largely of exposed rock faces, boulders of various sizes, rocky slopes, and generally poor or little soil development.

# 2.3. CURRENT USE OF THE PROPERTY

The Property is undeveloped open space. Current use appears to be limited to infrequent recreational use, including hunting and hiking, by trespassers. There is no road access to the Property.

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

Because 100-percent pedestrian survey coverage of the Property was not considered reasonable or necessary due to rugged terrain, WestLand reviewed aerial photographs and U.S. Geological Survey (USGS) topographic maps to identify and quantify the type and extent of human disturbance present within the Property prior to conducting the site reconnaissance. The results of this review, as well as observations made during the site reconnaissance, indicate the presence of two mine adits and associated small waste rock dumps located near the center of the Property. The small size of the waste rock piles suggests that underground workings are not extensive. Rock cairns, likely indicative of survey makers, were observed on the Property. No other human improvements were observed in aerial photographs, in topographic maps, or during the pedestrian survey of the Property.

#### 2.5. CURRENT USES OF ADJOINING PROPERTIES

Land use in all directions of the Property and surrounding lands is open space. Adjoining land use may also include cattle ranching on public property administered by the BLM or ASLD.

# USER PROVIDED INFORMATION

The report User and landowner is Resolution who provided relevant information about the Property. The Resolution contact is Casey McKeon. A copy of the User and Owner Questionnaire is provided as **Appendix B**. Information provided by the User is summarized in the following subsections. The BLM is also a User of this report, but did not provide any relevant information for this section.

# 3.1. TITLE RECORDS

As part of prior interview efforts, Resolution provided copies of title information in connection with the Property. WestLand received the Warranty Deed for the Property that accompanied the search of available land title records for environmental liens and AULs on the Property (Gila County APNs 101-01-005 and 101-01-006). The current Warranty Deed for the Property was executed March 24, 2020, and recorded on April 8, 2020, conveying ownership from Swift Current Land & Cattle LLC to Resolution. The deed is included with **Appendix C**.

# 3.2. ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

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

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

# 3.3. SPECIALIZED KNOWLEDGE

Resolution provided no information related to specialized knowledge regarding the Property. In previous inquiries, it was reported that livestock grazing is known to occur on adjoining properties. Adjoining properties are managed by the BLM and ASLD, as depicted in **Figure 3**.

# 3.4. COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

No commonly known or reasonably ascertainable information relevant to potential RECs was provided by Resolution. Ms. McKeon reported that prior land use at the Property has been limited to ranching activities.

# 3.5. VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

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

#### 3.6. REASON FOR PERFORMING A PHASE LESA

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

#### 3.7. OTHER

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

# 4. RECORDS REVIEW

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

# 4.1. ENVIRONMENTAL RECORD SOURCES

WestLand contracted with EDR to conduct an electronic search of regulatory agency databases for references to the Property and surrounding lands. The database search was conducted February 21, 2025, and included ASTM standard and additional federal, tribal, state, local, and supplemental database records, as well as EDR proprietary database records. The regulatory agency databases were queried by conducting a search encompassing the Property as well as from the Property boundaries to the minimum search distance recommended by the ASTM standard. A copy of the EDR environmental report (EDR Radius Map Report with GeoCheck) that describes the databases searched, search distances, record details for the search results, and the dates the databases were last updated is provided in **Appendix D**.

There were no records identified at the Property or within the searched distance around the Property. No un-mappable (orphan) sites were identified.

# 4.2. PRIOR ENVIRONMENTAL REPORTS

Three Phase I ESAs have been completed for the Property, in 2015, 2020, and 2024 (WestLand 2015, 2020, 2024). No evidence of any RECs was observed on the Property nor were there any indications of past or current activities leading to RECs on the Property or adjoining parcels. Relevant information from the prior reports has been incorporated and referenced in this report.

In 2020, the EDR report identified a registered well site recorded immediately north of the Property. The well was drilled in 1983 at a depth of 82 feet and is registered to Janet A. Barton. There is no indication this well is associated with water treatment or disposal. This well was not included in the 2024 or 2025 EDR report prepared for this assessment. There have been no changes related to a potential REC or the

environmental condition of the Property since 2020. The 2015, 2020, and 2024 Phase I ESAs found no evidence of a REC in connection with the Property.

# 4.3. PHYSICAL SETTING

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

# 4.3.1. Topography

The Property is located in the Dripping Spring Mountains, north of the towns of Hayden and Winkelman, Arizona. Elevations range from 3,480 to 4,360 feet amsl within the Property boundaries. Although portions of the Property are along an east-west trending ridgeline, the majority of the Property is on the south-facing flank of the Dripping Spring Mountains, and slopes significantly to the south. Regionally, the Property is within the Basin and Range physiographic province, which is characterized by elongated mountain ranges trending northwest-southeast, separated by broad alluvial valleys. The Property is within the Dripping Spring Wash Basin that is bounded on the west by the Dripping Spring Mountains and on the northeast by the Pinal and Mescal mountains (ADWR 2009, Coates 1955). The basin covers approximately 378 square miles (ADWR 2009). The Dripping Spring Wash Basin is drained by Dripping Spring Wash, a tributary of the Gila River, located in the valley to the north of the Property. The elevation range within the Dripping Spring Wash Basin is 1,900 feet to 5,515 feet amsl (ADWR 2009).

#### 4.3.2. Soils

Soil data provided by the National Cooperative Soil Survey through Web Soil Survey (Soil Survey Staff 2025) <sup>3</sup> indicate that three soil complexes are present within the Property. The soil complexes are generally well-drained and occur on mountains and fan terraces, as described below.

The Chiricahua Deloro Leyte complex comprises 92 percent of the soil on the Property and consists of shallow, well-drained soils formed in alluvium. Soils are on pediments, hills, and mountains. Slopes range from 10 to 50 percent. Permeability is very low to moderately low.

The Stagecoach Delnorte complex comprises approximately 8 percent of the soil on the Property and consists of well-drained soils on fan terraces. The complex is approximately 55-percent Stagecoach soils and 35-percent Delnorte soils. The Stagecoach series consists of very deep, well-drained soils formed in mixed alluvium with slopes of 0 to 60 percent. Permeability is moderately rapid. The Delnorte series consists of soils that are very shallow and shallow to a petrocalcic horizon. They are well-drained soils that are

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

moderately rapidly permeable above, and a very slowly permeable petrocalcic horizon below. They formed in calcareous loamy materials containing igneous gravel. These soils are on nearly level hilly uplands, fan piedmonts, and fan remnants. Slope ranges from 0 to 30 percent (Soil Survey Staff 2025).<sup>3</sup>

The Holguin Rock Outcrop complex comprises less than 1 percent of the soil on the Property. The Holguin series consists of very shallow and shallow, well-drained, low to moderately low permeability soils formed on mountains. Rock outcrop comprises 35 percent of this soil complex (Soil Survey Staff 2025).<sup>3</sup>

# 4.3.3. Geology

The Property is located within the USGS Hayden 7.5-minute topographic (1:24,000) quadrangle, the geology of which has been described in detail by Banks and Krieger (1977). The Hayden quadrangle is dominated by the Dripping Spring Mountains that trend northwest southeast. The mountain range is bounded by the Dripping Springs Valley to the north and the Gila River Valley to the south. The valleys were depositional basins for thick colluvial and lacustrine sediments of the Miocene age. Faulting and erosion have exposed Oligocene sediments in the Gila River Valley. Precambrian rocks are found in the southwest corner of the quadrangle. The geology of the Property is predominantly Middle Proterozoic Sedimentary Rocks. A fault bisects the Property and defines the boundary between two tilted fault blocks. The western portion of the Property is mapped as Mississippian, Devonian, and Cambrian Sedimentary Rocks (Richard et al. 2000).

# 4.3.4. Hydrology

There appears to be no perennial or intermittent surface water features within the Property. Several minor ephemeral headwater drainage features that are tributaries to the distant Gila River are present within the Property. The National Wetlands Inventory (NWI) map does not identify any wetlands within the Property (U.S. Fish and Wildlife Service 2025).<sup>4</sup>

The Property has been mapped by the Federal Emergency Management Agency (FEMA) as Zone D, denoting areas where FEMA has not conducted flood hazard analysis, and the potential flood hazard has not been determined.

# 4.3.5. Hydrogeology

The Property is located within the Mammoth sub-basin of the Lower San Pedro groundwater basin. In this basin near the Property, the groundwater flow direction is from the mountains south toward the valley floor of the Gila River, and then along the river. The aquifer in the Mammoth sub-basin is made up of four water-bearing units: the floodplain aquifer, unconfined basin-fill, confined basin-fill, and the fractured and faulted portions of bedrock (WestLand 2016). The most productive of these is the floodplain aquifer, which parallels

<sup>&</sup>lt;sup>4</sup> NWI Wetlands Mapper zccessed online May 3, 2025.

the major waterways and is composed of gravel, sand, silt, and clay; as noted above, floodplains do not exist on the Property. The primary recharge in the area occurs from mountain front recharge and streambed infiltration (ADEQ 2005). The main source of groundwater is the alluvium of Dripping Spring Wash (ADEQ 2005), on the opposite (north) side of the Dripping Spring Mountains and well downgradient from the Property.

The Arizona Department of Water Resources (ADWR) well registry database contains data for two wells within a 1-mile radius of the Property (**Figure 2**). These wells lie within the same elevation range as the Property. The nearest well is located just north of the Property at an elevation of approximately 3,860 feet and is drilled to a depth of 82 feet below ground surface (bgs) with a depth to water of 29 feet bgs (ADWR 2020). This record corresponds to the 2020 EDR report for a well immediately north of the Property. The second well is located nearly 1 mile east of the Property at an elevation of approximately 4,230 feet and is reportedly drilled to a depth of 3 feet; thus, it is likely non-functional. This would explain why the second well did not appear in the EDR report (ADWR 2020).

# 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 USGS topographic maps of the Property and its vicinity dated 1910, 1964, 1983, 2014, 2018, and 2021 (**Appendix E**). 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 near the Property in chronological sequence.

The 1910 15-minute Ray quadrangle map (1:50,000 scale) depicts natural features including mountains, canyons, drainages, and streams within and surrounding the Property. There are no developed features identified at the Property on this map. Steamboat Mountain and Tam O'Shanter Peak are identified west and east of the Property, respectively. Springs are depicted offsite north and west of the Property. Developed features on surrounding lands include unimproved roads and water troughs more than 1 mile from the Property boundary.

The 1964 7.5-minute Hayden quadrangle map (1:24,000 scale) depicts the Property in the same condition as the previous map. Additional map coverage of the surrounding area depicts additional off-site springs and unimproved roads on land surrounding the Property, wells northeast of the Property, and the San Bernardo Jr. Mine and Santa Monica Camp more than 2 miles east of the Property.

The 1983 15-minute Kearny quadrangle map (1:50,000 scale) depicts the Property in the same condition as the previous map. The surrounding area is depicted the same as the previous map, with the addition of a mine located near Steamboat Mountain west of the Property within 1 mile of the Property.

The 2014 7.5-minute Hayden quadrangle map (1:24,000 scale) and the 2018 and 2021 7.5-minute Hayden quadrangle maps (1:24,000 scale) do not depict any developed features at the Property or immediate vicinity. These maps name an off-site spring identified on prior maps.

# 4.4.2. Historical Aerial Photographs

WestLand obtained historical aerial photographs depicting the Property and vicinity dating from 1953 to 2019 (**Appendix F**). WestLand reviewed the images 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. WestLand also used Google Earth and enlarged selected areas to observe features at and in the near vicinity of the Property.

The historical aerial photographs depict the Property and approximately 1 mile surrounding the Property in all directions. There is no indication of development at the Property in any of the historical aerial photographs. There is some land scarring located near Steamboat Mountain between 1,000 and 2,000 feet west of the Property on the 1953 aerial photograph suspected to be associated with mine exploration or cattle ranching activities.

# 4.4.3. Property Tax Files

WestLand obtained the property tax maps for the Property and adjoining areas from the Gila County Assessor. The Property map and parcel details are included in **Appendix G**. This map identifies land surrounding the Property as administrated by the BLM and ASLD. The approximate Gila and Pinal County line is also depicted near the west boundary of the Property.

WestLand also obtained Gila County Property Reports (**Appendix H**) for both parcels comprising the Property (APNs 101-01-005 and 101-01-006). Both parcels are owned by Resolution, as conveyed from the Swift Current Land & Cattle LLC in April 2020. Each parcel is 80 acres and designated for both agricultural use and ranch property with no record of any buildings. The legal description for APN 101-01-006 includes reference to "Springs Permit," likely named for a previous owner. Prior ownership in the report includes a deed exchange from Dripping Springs Ranch LLC to the Swift Current Land & Cattle LLC on February 5, 2007.

#### 4.4.4. Local Street Directories

WestLand requested an EDR City Directory Report that includes a search of available city directory data at 5-year intervals for the Property (**Appendix I**), no information was identified for the Property.

# 4.4.5. Sanborn Fire Insurance Maps

Sanborn Fire Insurance Maps typically cover development in the first half of the 20<sup>th</sup> century. The Sanborn Library indicated that the Property is unmapped and fire insurance maps covering the Property were not found (**Appendix J**).

#### 4.4.6. Other Historical Sources

WestLand reviewed data obtained from the USGS Mineral Resource Data System (MRDS; USGS 2020) to obtain general information on the mines in the immediate vicinity of the Property. There are no records for mine sites at the Property in this database. WestLand reviewed MRDS records within 1 mile from the boundary of the Property and identified one record: Copper Chief Group, which is recorded as a surface-underground prospect for tungsten, vanadium, gold, silver, and lead (Record 10137888). The MRDS states that the exact location of the deposit has not been verified for the USGS record; accordingly, it is not known if this record is for one of the adits observed within the Property.

The Property is within the Pinal Highlands, which was an area of prospecting, mining, and settlement beginning in the 1800s. WestLand reviewed a cultural resource inventory report for the Property that includes archaeological research and results of prior cultural resources records searches (Charest and Lindly 2016). The cultural resource inventory report revealed no cultural resources identified within the Property on any of the historical maps; four mining prospects were depicted north of the Property and several mining claims were revealed southeast of the Property. The cultural resources site survey revealed that historical activity within the Property seems to have been limited to prospecting. Evidence of prospecting is present in and around the Property, including a mining prospecting pit just outside the Property and cairn features, these represent a small mine dating to the early- to mid-20<sup>th</sup> century. The only temporally diagnostic artifact identified is a steel wheelbarrow. This wheelbarrow closely resembles a barrow sold in the Sears, Roebuck and Co. catalog as early as 1896.

WestLand requested a Building Permit Report from EDR (**Appendix K**); however, EDR does not have access to building permits in this area.

# 5. SITE RECONNAISSANCE

On March 14, 2025, WestLand environmental specialists, Christopher Rife and Ashlee Wolf, performed a site reconnaissance to visually assess existing environmental conditions for the Property. Photographs documenting pertinent features are provided in **Appendix A**. The BLM H-2000-01 *Pre-Acquisition Environmental Site Assessments Checklist* documenting site observations is provided in **Appendix L**.

# 5.1. METHODOLOGY AND LIMITING CONDITIONS

Prior to conducting the site reconnaissance, WestLand reviewed prior reports, current and historical aerial photographs, and topographic maps to identify the location of any areas of potential contamination,

including roadways, cleared areas, disturbed soils, and structures. Areas of known concentrated human activity are typically assessed in greater detail because these areas present the greatest potential for impacts by hazardous materials and petroleum products. There were no areas at the Property or vicinity identified by the preliminary map review that appeared to have concentrated human activity or potential hazardous material impacts.

Considering the limited development of the Property and results of the aerial photograph and topographic map review, the site reconnaissance effort was focused to the west half of the Property where pedestrian access was most efficient. WestLand observed portions of the east half of the Property from vantage points near the center of the Property. WestLand's reconnaissance included the Property as well as observations of the adjoining properties from publicly accessible areas. Field observations were consistent with the findings of WestLand's prior reports and historical records review of the Property and surrounding properties.

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

#### 5.2. INDICATIONS OF PAST USES OF THE PROPERTY

Past use of the Property appears to have been limited to small-scale mine exploration, ranching, possibly hiking, and hunting/recreational shooting by trespassers; a single shotgun shell was observed in 2015 (Appendix A, Photo 6) but none were observed in 2020, 2024, or 2025. Two adits—horizontal entrances to underground mines—were also observed during the 2015 site reconnaissance and again during the 2025 site reconnaissance (Appendix A, Photos 4 and 5) with adjacent small waste rock piles (Appendix A, Photo 7). The small size of the waste rock piles suggests that underground workings are not extensive. Additionally, rock cairns, likely indicating survey monuments, were observed at several locations within the Property (Appendix A, Photo 2). There is no indication that hazardous materials or petroleum products have been used or disposed of at the Property.

# 5.3. EXTERIOR OBSERVATIONS

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

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

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

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

# 5.3.3. Storage Tanks (Aboveground and Underground)

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

# 5.3.4. Unidentified Substance Containers

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

# 5.3.5. Drums

There were no drums observed on the Property or on adjoining properties.

# 5.3.6. Odors

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

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

No pools of liquid, pits, ponds, or lagoons were observed on the Property or on adjoining properties.

#### 5.3.8. Wastewater

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

# 5.3.9. Septic Systems

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

#### 5.3.10. Wells

No wells were observed at the Property or on adjoining properties.

# 5.3.11. Stained Soil or Pavement

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

# 5.3.12. Stressed Vegetation

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

# 5.3.13. Solid Waste Disposal

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

The Property appears to be generally clean of solid waste. Small waste rock piles were observed at the mouths of the two mine adits noted above. No seepage or staining was observed within the piles or from the toe of the waste rock pile slopes.

# 5.3.14. PCB Equipment

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

No potential PCB-containing equipment was observed at the Property or on adjoining properties.

#### 5.4. INTERIOR OBSERVATIONS

Not applicable; there are no structures on the Property.

# 6. INTERVIEWS

# 6.1. INTERVIEW WITH OWNER

On March 18, 2025, Casey McKeon (Resolution) completed the User questionnaire and the Owner questionnaire for the Property. Ms. McKeon indicated that to her knowledge, the Property has been vacant and formal land use has been limited to cattle grazing. The Property is not known to have been used for storage of hazardous materials or petroleum products. She is not aware of any information potentially indicative of a REC for the Property. Responses to numerous specific inquiries are included in **Appendix B**.

# 6.2. INTERVIEW WITH SITE MANAGER

See Interview with Owner (Section 6.1).

# 6.3. INTERVIEWS WITH OCCUPANTS

Not applicable; there are no occupants of the Property.

#### 6.4. INTERVIEW WITH LOCAL GOVERNMENT OFFICIALS

Since vehicular access to the Property is not available and there are no structures known to have been developed at the Property or on adjoining lands, WestLand did not request records from the local fire department or similar agency that would have responded to emergency releases or have records of storage tanks in the vicinity.

WestLand submitted a public records request to the Arizona Department of Forestry and Fire Management, which provides resources for the prevention and suppression of wildland fire on State Trust Land and private property located outside incorporated communities. The Office of the State Fire Marshal has no documents regarding this public records request (PRR-423000626, response received on 2/28/24; **Appendix M**).

# 6.5. INTERVIEWS WITH OTHERS

On March 21, 2025, WestLand contacted Daniel Moore (d3moore@blm.gov), representative for the BLM, and requested that the User questionnaire be completed for the Property in support of the *Southeast Arizona Land Exchange and Conservation Act of 2013* (U.S. Congress 113<sup>th</sup>). As of the date of this report, a returned questionnaire has not been received. If the User questionnaire is received from the BLM after this report is finalized, it may be incorporated into the Phase I ESA report as an addendum.

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 is within the Pinal Highlands, which is an area of prospecting, mining, and settlement beginning in the 1800s. WestLand reviewed a cultural resource inventory report for the Property that includes archaeological research and results of prior records searches (Charest and Lindly 2016). The cultural resource inventory report revealed no cultural resources identified within the Property on any of the historical maps; four mining prospects were depicted north of the Property and several mining claims were revealed southeast of the Property (Charest and Lindly 2016). The site survey revealed that historical activity within the Property seems to have been limited to prospecting (Charest and Lindly 2016). Evidence of prospecting is present in and around the Property, including a mining prospecting pit just outside the Property and cairn features that represent a small mine dating to the early- to mid-twentieth century. The only temporally diagnostic

- artifact identified is a steel wheelbarrow. This wheelbarrow closely resembles a barrow sold in the Sears, Roebuck and Co. catalog as early as 1896.
- The Property and surrounding area are undeveloped open space. On March 14, 2025, WestLand environmental specialists, Christopher Rife and Ashlee Wolf performed a site reconnaissance to visually assess existing environmental conditions for the Property. Past use of the Property appears to have been limited to small-scale mine exploration, ranching, possibly hiking, and hunting/recreational shooting by trespassers; a single shotgun shell was observed in 2015 but none were observed in 2020, 2024, or 2025. Rock cairns, likely indicating survey monuments, were also observed at several locations of the Property. There is no road providing vehicular access to the Property. Adjoining land use appears to be similar to the Property and may additionally include cattle ranching and small scale mining operations more than 1 mile from the Property. Adjoining lands are managed by the BLM and ASLD.
- None of the past or present land uses for the Property likely indicate a REC for the Property. Two adits were observed on the Property; the horizontal extent of the two adits, as well as any vertical underground workings, is unknown. The small size of the waste rock piles suggests that underground workings are not extensive. The location of the adits observed during the site reconnaissance is provided in Figure 4. 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 seepage, 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 at the parcel and is not considered likely.
- On February 20, 2025, WestLand engaged EDR to conduct a search of available land title records for environmental liens and AULs on the Property. A search was completed for Gila County APNs. 101-01-005 and 101-01-006; no records of environmental liens or AULs associated with the Property were identified. The current Warranty Deed for the Property was executed March 24, 2020, and recorded on April 8, 2020, conveying ownership from Swift Current Land & Cattle LLC to Resolution, a Delaware limited liability company. The deed is included with Appendix C.
- WestLand contracted with EDR to conduct an electronic search of regulatory agency databases for references to the Property and surrounding lands. The database search was completed on February 21, 2025, and included standard and additional federal, tribal, state, local, and supplemental database records, as well as EDR proprietary database records that potentially indicate a REC. 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. There were no records identified at the Property or within the minimum search distance.

- Individuals and representatives at various agencies were interviewed (or contacted for interview)
   as part of this and prior assessments:
  - The report User and Property owner: Casey McKeon, representative for Resolution
  - The BLM, also a report User; WestLand had not received a response to this inquiry.
  - The Department of Forestry and Fire Management, Public Records Request; the Office of the State Fire Marshal has no documents regarding the Property.

Information provided through the interviews does not indicate the potential of RECs, historical RECs, controlled RECs, or *de minimis* conditions in connection with the Property.

# 8. CONCLUSION

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

This assessment has revealed no evidence of RECs, historical RECs, controlled RECs, or *de minimis* conditions for the Property.

# 9. DEVIATIONS

On March 21, 2025, WestLand contacted representatives for the BLM and requested that the User questionnaire be completed for the Property in support of the Southeast Arizona Land Exchange and Conservation Act of 2013 (U.S. Congress 113<sup>th</sup>). As of the date of this report, a returned questionnaire has not been received. If the User questionnaire n is received from the BLM after this report is finalized, it may be incorporated into the Phase I ESA report as an addendum.

# 10. ADDITIONAL SERVICES

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

# 11. QUALIFICATIONS AND SIGNATURE OF ENVIRONMENTAL PROFESSIONALS

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

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

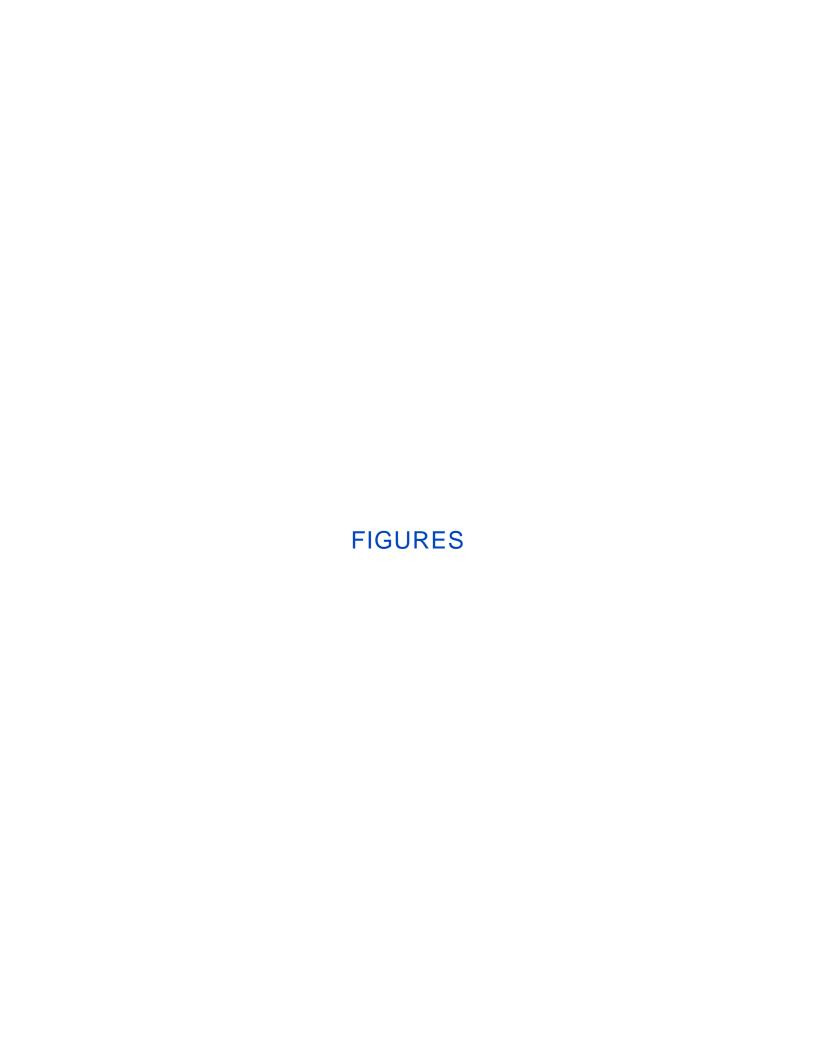
Md.F. Tyla	May 15, 2025
Mark F Taylor P F	Date

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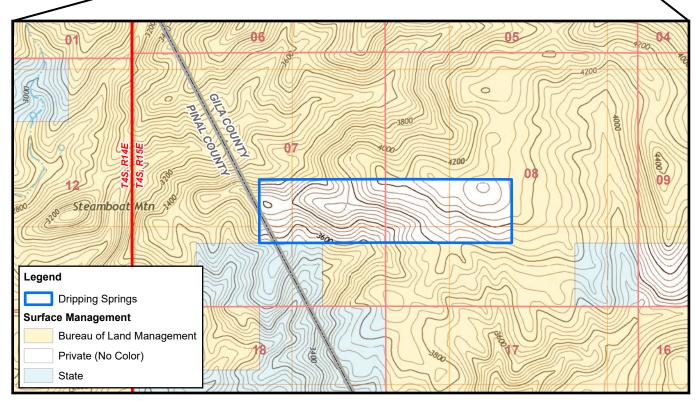


# **ARIZONA FLAGSTAFF PHQENIX** TUCSON **PROJECT LOCATION**

# PROJECT VICINITY



Approximate Scale 1 inch equals 10 miles



Dripping Springs T4S, R15E, Portions of Sections 7 and 8,

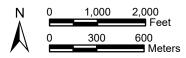
Pinal and Gila Counties, Arizona

Hayden USGS 7.5' Quadrangle (2018)

Projection: NAD 1983 UTM Zone 12N Surface Management: BLM SMA ArcGIS service accessed 03/28/2025

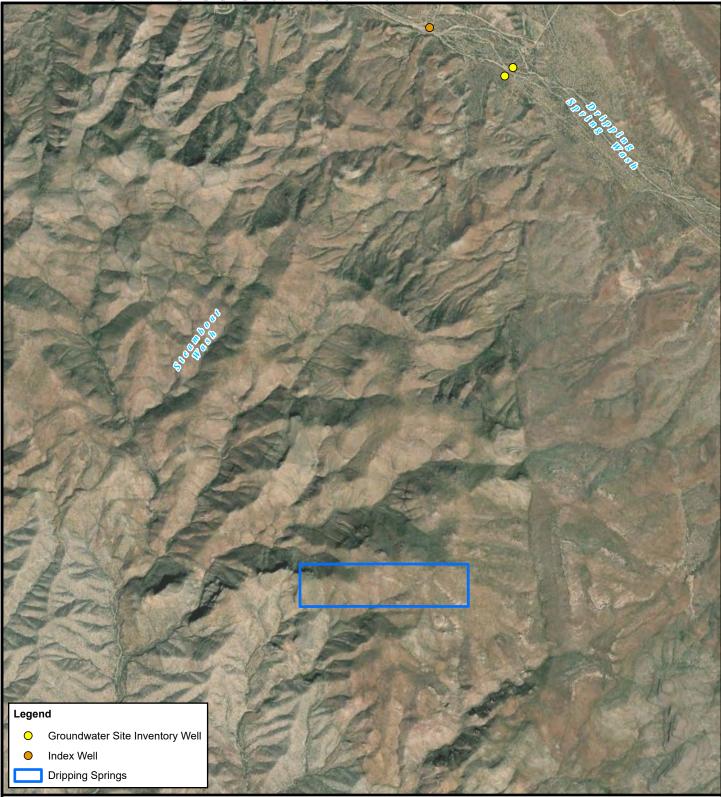
Image Source: ArcGIS Online, World Topographic Map





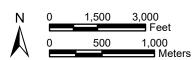
**RESOLUTION COPPER** Phase I ESA for **Dripping Springs** 

> VICINITY MAP Figure 1



Dripping Springs
T4S, R15E, Portions of Sections 7 and 8,
Pinal and Gila Counties, Arizon
Projection: NAD 1983 UTM Zone 12N
Data Source: ADWR Groundwater Site Inventory
ArcGIS Service accessed on 03/28/2025
Image Source: Maxar 10/13/2023

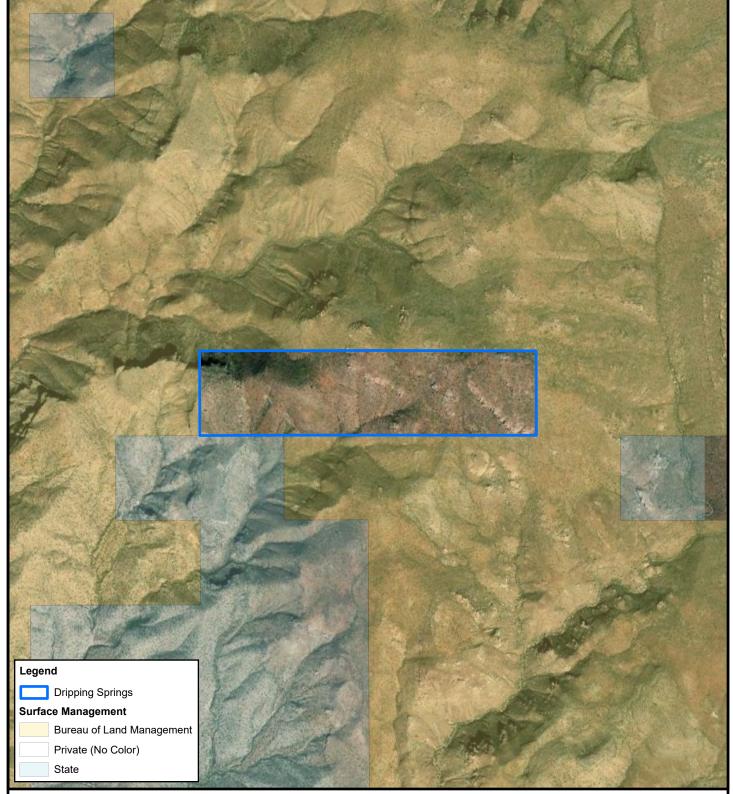




# RESOLUTION COPPER Phase I ESA for Dripping Springs

AERIAL OVERVIEW WITH ADWR REGISTERED WELLS Figure 2





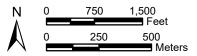
Dripping Springs T4S, R15E, Portions of Sections 7 and 8,

Pinal and Gila Counties, Arizona

Surface Management: BLM SMA ArcGIS service accessed 03/28/2025

Image Source: Maxar 10/13/2023





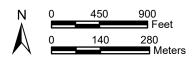
**RESOLUTION COPPER** Phase I ESA for **Dripping Springs** 

> SURFACE MANAGEMENT Figure 3



Dripping Springs T4S, R15E, Portions of Sections 7 and 8, Pinal and Gila Counties, Arizona Image Source: Maxar 02/13/2022





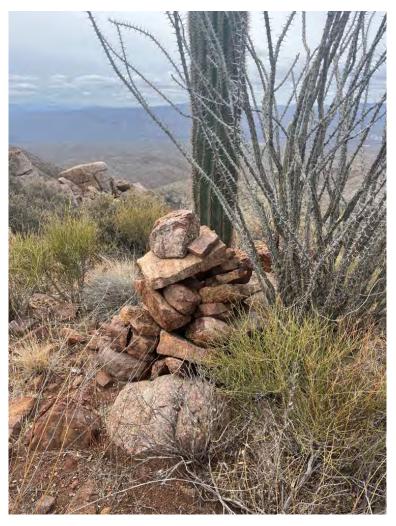
RESOLUTION COPPER
Phase I ESA for
Dripping Springs

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



Photo 1.

Overview of the Property facing east from near the western Property boundary.



# Photo 2.

Typical rock cairn.



Dripping Springs Phase I ESA Site Photographs
Appendix A
Photopage 1



Photo 3.

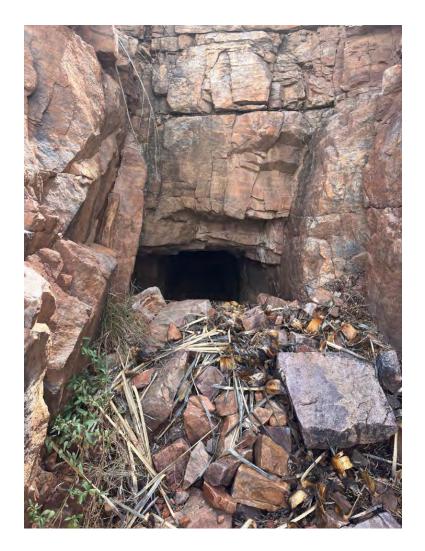
Potential east-west road alignment traversing slope across the Property towards the mine adits.



# Photo 4.

Mine adit and waste rock pile in the western portion of the Property; no evidence of drainage or stained rocks. Waste rock is observed adjacent to this adit.





#### Photo 5.

Mine adit and waste rock pile along southern Property boundary, no evidence of drainage or stained rocks. Waste rock is observed adjacent to this adit.



#### Photo 6.

Single bullet casing observed on ridgetop; photo from 2015 site visit. Not observed in 2025.



Dripping Springs Phase I ESA Site Photographs
Appendix A
Photopage 3

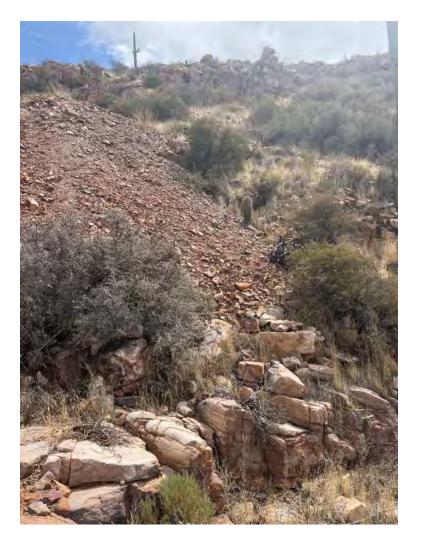


Photo 7.

Waste rock.



# Photo 8.

Overview of the Property.



Dripping Springs Phase I ESA Site Photographs
Appendix A
Photopage 4

# APPENDIX B User and Owner Questionnaire

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

#### **USER QUESTIONNAIRE**

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

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

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

<u>Email</u>

Date of interview: \_3/18/2024\_\_\_

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

Did a search of land title records/judicial records identify any environmental cleanup liens against the *property* under federal, tribal, state or local law? No.

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

Did a search of land title records/judicial records identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

No.

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

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

\_No.

(4). Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29). Does the purchase price/lease being paid for this *property* reasonably reflect the fair market value of the *property*? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*?

No offset to purchase price for environmental issues were detected.

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

Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user:

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

# (6). The degree of obviousness of the presence of likely presence of contamination at the *property*, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

As the user of this *ESA*, based on your knowledge and experience related to the *property* are there any obvious indicators that point to the presence or likely presence of contamination at the *property*? None.

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

- (a) The reason why the Phase I is being conducted. <u>Land Exchange with Federal Government.</u>
- (b) The type of *property* and type of *property* transaction, for example, sale, purchase, exchange, etc. Land Exchange.
- (c) The complete and correct address for the *property* (a map or other documentation showing *property* location and boundaries is helpful). See map.
- (d) The scope of services desired for the Phase I (including whether any parties to the *property* transaction may have a required standard scope of services on whether any considerations beyond the requirements of Practice E 1527/2247 are to be considered). Standard.
- (e) Identification of all parties who will rely on the Phase I report. Resolution Copper, US Forest Service, 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? <u>Site contact Sterling Hundley.</u>
- (g) Any special terms and conditions which must be agreed upon by the environmental professional. No.

(h) Any other knowledge or experience with the <i>property</i> that may be pertinent to the environmental professional (for example, copies of any available prior environmental site assessment reports,
documents, correspondence, etc., concerning the <i>property</i> and its environmental condition).  Previous ESA in 2020 & 2023.
OWNER/ OPERATOR/OCCUPANT QUESTIONNAIRE
Please respond to the questions provided below and expand your responses as appropriate:
(1). Please describe the current uses of the <i>property</i> , if known. Vacant land.
(2). Name any past owners or occupants of the <i>property</i> , if known. <u>Current: Resolution Copper Mining LLC: Past: Dripping Springs Ranch, LLC</u>
(3). Please describe the past and/or current uses of adjoining properties, if known. Ranching.
(4). Please describe the general past and/or current uses of the surrounding area, if known. (i.e. residential, commercial, agricultural, industrial etc.)  BLM lands surrounding area, mostly leased ranch lands.
(5). Are you aware of any chemicals/petroleum products in individual containers greater than 5-gallons that are present or once were present at the <i>property</i> (including used automotive/industrial batteries, pesticides, paints, solvents acids, bases, antifreeze, gasoline, diesel, fuel oil, kerosene, lubricating oil, benzene, etc)? This includes industrial drums (typically 55-gallons).
Yes No_X_ Unknown
(6). Do you know of spills or other chemical releases that have taken place at the <i>property</i> ?
Yes No_X_ Unknown
(7). Do you know of any environmental cleanups that have taken place at the <i>property</i> ?
Yes NoX_ Unknown
(8). Are you aware of any environmental cleanup liens against the <i>property</i> ?
Yes No_X Unknown
(9). Are you aware of any engineering controls (capping, slurry walls or water treatment), land use restrictions or institutional controls (deed restriction, restrictive covenants, easements or zoning) intended to reduce exposure of a hazardous substance or petroleum product at the <i>property</i> ?
Yes No_X Unknown

(10). Are there an indicating storage		nd storage tanks, underground storage tanks, vent pipes or access ways operty?
Yes	NoX	Unknown
(11). Are there any	PCBs (transfe	ormers, hydraulic equipment) at the <i>property</i> ?
Yes	No_X	Unknown
(12). Have you ol petroleum or chem		d soil/pavement, corrosion, or stressed vegetation that may indicate a property?
Yes	No_X	Unknown
(13). Have you ol property?	oserved pits, p	oonds, or lagoons associated with wastewater treatment/disposal at the
Yes	No_X	Unknown
(14). Are you aw washes)?	are of any wa	astewater/stormwater facilities at the property (drains, sumps, ditches
Yes	NoX	Unknown
(15). Are you awar	e of any wells	located at the <i>property</i> (dry, irrigation, injection, or abandoned)?
Yes	No_X	Unknown
(16). Are you awar	e of any septic	e systems at the <i>property</i> ?
Yes	No	UnknownX
(17). Has the <i>propo</i>	erty been used	for landfill, dump, battery storage, junkyard, or other disposal purposes?
Yes	NoX	Unknown
(18). Has dirt fill contaminated site?	-	to the <i>property</i> that originated from a site of unknown origin or from a
Yes	No	UnknownX
(19). Are there or h by substances othe		een any flooring, drains, or walls located within the facility that are stained emitting odors?
Yes	NoX	Unknown

# APPENDIX C EDR Environmental Lien and AUL Search

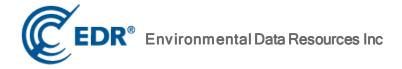
**Dripping Springs** 

Gila & Pinal Counties, Arizona Winkelman, AZ 85192

Inquiry Number: 7904714.7

February 24, 2025

# **EDR Environmental Lien and AUL Search**



#### **EDR Environmental Lien and AUL Search**

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

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

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

#### Thank you for your business.

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

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# **EDR Environmental Lien and AUL Search**

# TARGET PROPERTY INFORMATION

#### **ADDRESS**

Gila & Pinal Counties, Arizona Dripping Springs Winkelman, AZ 85192

ENVIRONMENTAL LIEN				
Environmental Lien:	Found		Not Found	×
OTHER ACTIVITY AND LICE LIMIT	ATIONS (A	III 6\		
OTHER ACTIVITY AND USE LIMIT	ATIONS (A	(ULS)		
AULs:	Found		Not Found	×

# RESEARCH SOURCE

Source 1:

Gila Recorder Gila, AZ

#### **PROPERTY INFORMATION**

#### Deed 1:

Type of Deed: Warranty Deed

Title is vested in: Resolution Copper Mining LLC
Title received from: Swift Curren Land & Cattle LLC

 Deed Dated
 3/24/2020

 Deed Recorded:
 4/8/2020

 Book:
 NA

 Page:
 NA

 Volume:
 NA

Instrument 2020-004091

Docket NA

Land Record Comments: see exhibit

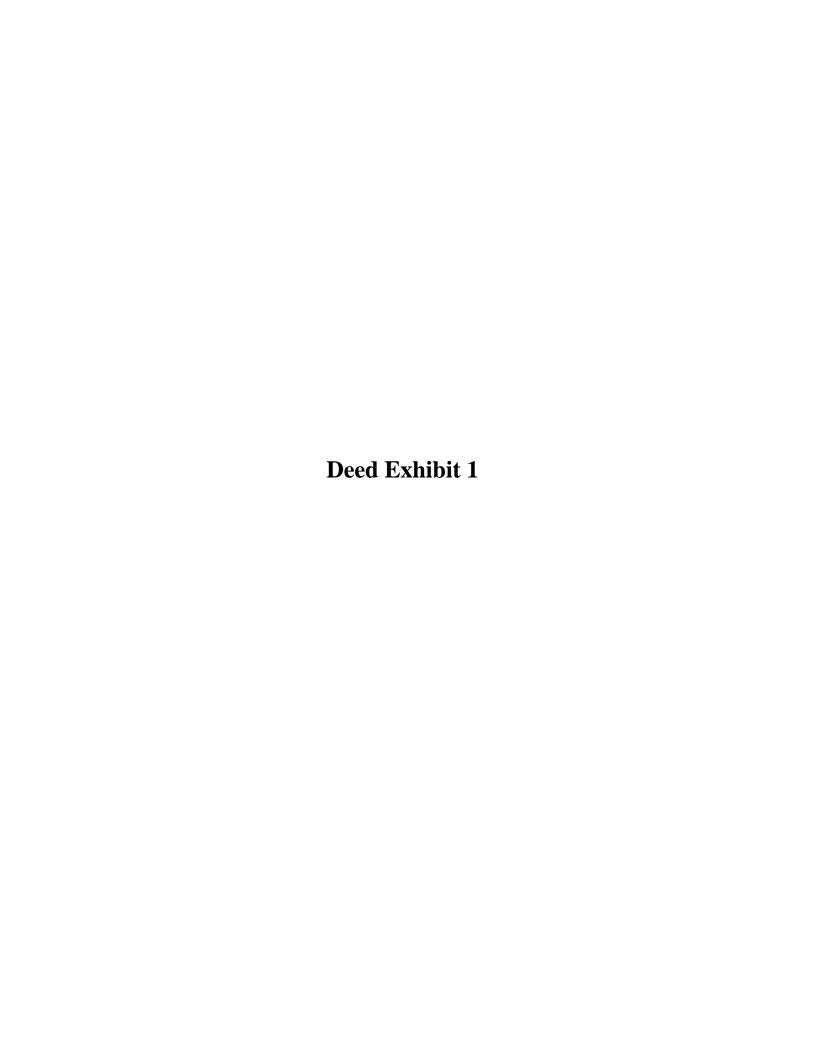
Miscellaneous Comments: NA

Legal Description: see exhibit

Legal Current Owner: Resolution Copper Mining ∐C

**Parcel #/ Property Identifier:** 101-01-006, 101-01-005

Comments: see exhibit



2020-004091 WD Page 1 of 3 eRecorded in Gila County AZ County, AZ 04/08/2020 03:34:37 PM Sadie Jo Bingham Recorder FIRST AMERICAN TITLE INSURANCE COMPANY Fees; \$30.00

After recording return to:

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

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

#### WARRANTY DEED

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

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

#### SUBJECT TO:

- 1. Current taxes:
- 2. All matters of record in the official records of Gila County, or would be apparent by an inspection of the property conveyed hereby:
- 3. Reservations in patents from the United States of America or the State of Arizona.

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

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

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

DATED this 24th day of March, 2020.

#### **GRANTOR:**

SWIFT CURRENT LAND & CATTLE LLC

By: Sterling Hundle

Its: Controller

STATE OF ARIZONA

) ss.

County of Pinal

)

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

otary Public

My commission expires:

May 31. 2022

JESSICA D CASTILLO
Notary Public, State of Arizona
Pinal County
My Commission Expires
May 31, 2022

# **EXHIBIT A**

# PARCEL NO. 1

The North half of the Southeast quarter of Section 7, Township 4 South, Range 15-East of the Gila and Salt River Base and Meridian, Gila County, Arizona.

# PARCEL NO. 2

The North half of the Southwest quarter of Section 8. Township 4 South, Range 15 East of the Gila and Salt River Base and Meridian, Gila County, Arizona.

E/FILES/DOCS/RESO03/160579/RE/11F8922 DOC

APPENDIX D Radius Map Report **Dripping Springs** 

Gila & Pinal Counties, Arizona Winkelman, AZ 85192

Inquiry Number: 7904714.2s

February 21, 2025

# The EDR Radius Map™ Report with GeoCheck®



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

# **TABLE OF CONTENTS**

SECTION	PAGE
Executive Summary	ES1
Overview Map.	<b>2</b>
Detail Map.	<b> 3</b>
Map Findings Summary.	4
Map Findings	
Orphan Summary	9
Government Records Searched/Data Currency Tracking.	GR-1
GEOCHECK ADDENDUM	
Physical Setting Source Addendum	<b>A-1</b>
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
Physical Setting Source Map Findings.	A-8
Physical Setting Source Records Searched.	PSGR-1

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

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A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

#### TARGET PROPERTY INFORMATION

#### **ADDRESS**

GILA & PINAL COUNTIES, ARIZONA WINKELMAN, AZ 85192

#### **COORDINATES**

Latitude (North): 33.0979240 - 33° 5′ 52.52" Longitude (West): 110.8442690 - 110° 50′ 39.36"

Universal Tranverse Mercator: Zone 12 UTM X (Meters): 514532.0 UTM Y (Meters): 3661962.2

Elevation: 4031 ft. above sea level

#### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 50000441 HAYDEN, AZ

Version Date: 2021

# AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20190618 Source: USDA

#### MAPPED SITES SUMMARY

Target Property Address: GILA & PINAL COUNTIES, ARIZONA WINKELMAN, AZ 85192

Click on Map ID to see full detail.

MAP RELATIVE DIST (ft. & mi.)

ID SITE NAME ADDRESS DATABASE ACRONYMS ELEVATION DIRECTION

NO MAPPED SITES FOUND

#### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

#### **DATABASES WITH NO MAPPED SITES**

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

#### STANDARD ENVIRONMENTAL RECORDS

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

US ENG CONTROLS..... Engineering Controls Sites List US INST CONTROLS...... Institutional Controls Sites List Federal ERNS list ERNS..... Emergency Response Notification System Lists of state- and tribal (Superfund) equivalent sites AZ NPL..... NPL Detail Listing AZ WQARF..... Water Quality Assurance Revolving Fund Sites Lists of state- and tribal hazardous waste facilities SPL..... Superfund Program List SHWS..... ZipAcids List Lists of state and tribal landfills and solid waste disposal facilities SWF/LF..... Directory of Solid Waste Facilities Lists of state and tribal leaking storage tanks Leaking Underground Storage Tank Listing INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land Lists of state and tribal registered storage tanks FEMA UST..... Underground Storage Tank Listing UST...... Underground Storage Tank Listing AST.....List of Aboveground Storage Tanks INDIAN UST...... Underground Storage Tanks on Indian Land State and tribal institutional control / engineering control registries AZURITE...... Remediation and DEUR/VEMUR Tracking System AUL..... DEUR Database Lists of state and tribal voluntary cleanup sites ......Voluntary Remediation Program Sites INDIAN VCP..... Voluntary Cleanup Priority Listing Lists of state and tribal brownfield sites BROWNFIELDS..... Brownfields Tracking System ADDITIONAL ENVIRONMENTAL RECORDS Local Brownfield lists US BROWNFIELDS..... A Listing of Brownfields Sites Local Lists of Landfill / Solid Waste Disposal Sites SWTIRE...... Solid Waste Tire Facilities

INDIAN ODI...... Report on the Status of Open Dumps on Indian Lands DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI...... Open Dump Inventory IHS OPEN DUMPS..... Open Dumps on Indian Land

#### Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register

CDL..... Clandestine Drug Labs

US CDL...... National Clandestine Laboratory Register

#### Local Land Records

LIENS 2..... CERCLA Lien Information

#### Records of Emergency Release Reports

HMIRS\_\_\_\_\_ Hazardous Materials Information Reporting System

SPILLS..... Hazardous Material Logbook SPILLS 90...... SPILLS 90 data from FirstSearch

#### Other Ascertainable Records

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

FUDS..... Formerly Used Defense Sites

US FIN ASSUR..... Financial Assurance Information

EPA WATCH LIST..... EPA WATCH LIST

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

TSCA..... Toxic Substances Control Act

TRIS...... Toxic Chemical Release Inventory System SSTS..... Section 7 Tracking Systems

ROD...... Records Of Decision RMP..... Risk Management Plans

PRP...... Potentially Responsible Parties 

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

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

Act)/TSCA (Toxic Substances Control Act)

..... Material Licensing Tracking System COAL ASH DOE..... Steam-Electric Plant Operation Data

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

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

RADINFO...... Radiation Information Database

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

DOT OPS..... Incident and Accident Data

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

INDIAN RESERV..... Indian Reservations

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

UMTRA..... Uranium Mill Tailings Sites

LEAD SMELTERS..... Lead Smelter Sites

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

US MINES..... Mines Master Index File

ABANDONED MINES..... Abandoned Mines

MINES MRDS..... Mineral Resources Data System

FINDS\_\_\_\_\_Facility Index System/Facility Registry System DOCKET HWC..... Hazardous Waste Compliance Docket Listing ECHO..... Enforcement & Compliance History Information

UXO...... Unexploded Ordnance Sites

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

PFAS NPL Superfund Sites with PFAS Detections Information PFAS FEDERAL SITES Federal Sites PFAS Information

PFAS TRIS.....List of PFAS Added to the TRI

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

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

PFAS ATSDR..... PFAS Contamination Site Location Listing PFAS WQP..... Ambient Environmental Sampling for PFAS PFAS NPDES..... Clean Water Act Discharge Monitoring Information PFAS PROJECT..... NORTHEASTERN UNIVERSITY PFAS PROJECT PFAS ECHO..... Facilities in Industries that May Be Handling PFAS Listing

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

AQUEOUS FOAM NRC..... Aqueous Foam Related Incidents Listing 

UST FINDER..... UST Finder Database

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

PFAS Contamination Site Listing AQUEOUS FOAM..... Aqueous Film Forming Foam Listing

AIRS..... Arizona Airs Database Aquifer Protection Permits List AZ DOD...... Department of Defense Sites

Dry Wells...... Drywell Registration DRYCLEANERS Drycleaner Facility Listing EMAP..... All Places of Interest Listing Enforcement and Violation Listing Financial Assurance Information Listing

MANIFEST..... Facility and Manifest Data

SPDES......NPDES VAPOR...... Vapor Intrusion

UIC..... Underground Injection Control Wells WWFAC...... Waste Water Treatment Facilities DRYWELLS HIST..... Historical Drywells Listing

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

#### **EDR Exclusive Records**

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

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

#### Exclusive Recovered Govt. Archives

RGA HWS...... Recovered Government Archive State Hazardous Waste Facilities List

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

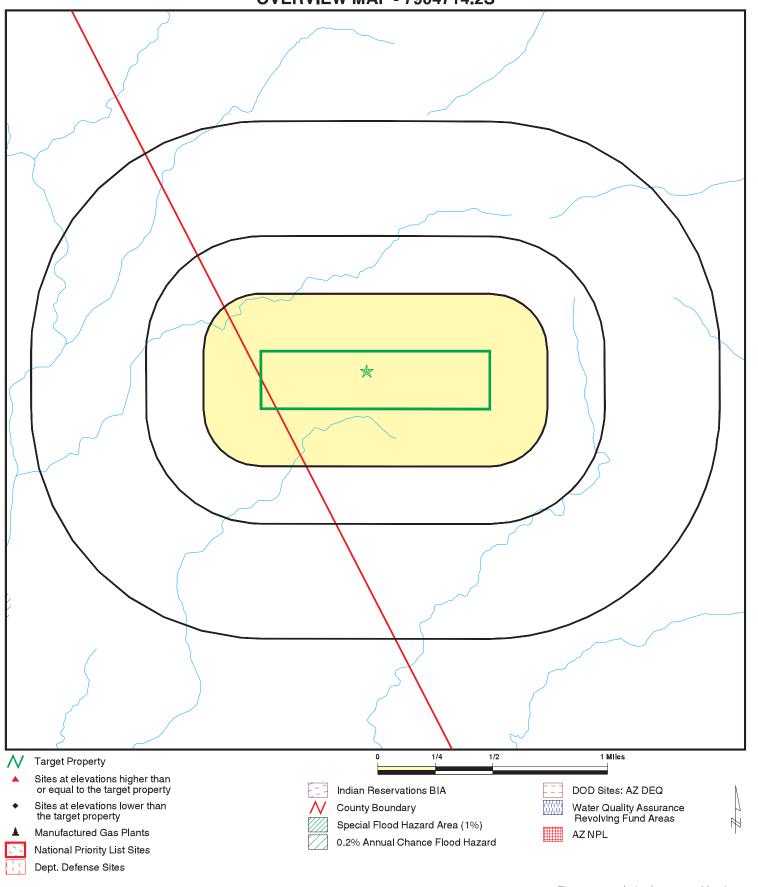
#### **SURROUNDING SITES: SEARCH RESULTS**

Surrounding sites were not identified.

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

There were no unmapped sites in this report.

# **OVERVIEW MAP - 7904714.2S**



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

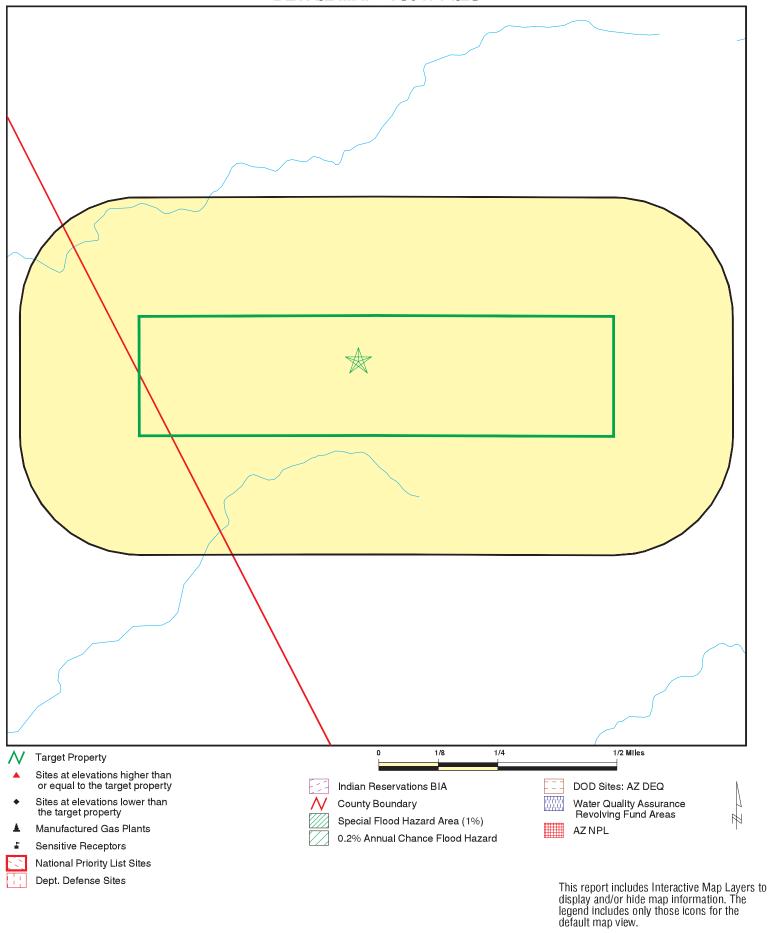
SITE NAME: Dripping Springs
ADDRESS: Gila & Pinal Counties, Arizona
Winkelman AZ 85192
LAT/LONG: 33.097924 / 110.844269

CLIENT: Westland Resources
CONTACT: Samantha Blonder
INQUIRY #: 7904714.2s
DATE: February 21, 2025 10

February 21, 2025 10:16 am

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# **DETAIL MAP - 7904714.2S**



SITE NAME: Dripping Springs ADDRESS: Gila & Pinal Counties, Arizona

LAT/LONG:

Winkelman AZ 85192

33.097924 / 110.844269

February 21, 2025 10:16 am

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Westland Resources

Samantha Blonder

7904714.2s

CLIENT: CONTACT:

DATE:

INQUIRY #:

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENT	TAL RECORDS							
Lists of Federal NPL (Su	perfund) site	s						
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	0 0 0	NR NR NR	0 0 0
Lists of Federal Delisted	I NPL sites							
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites su CERCLA removals and (		rs						
FEDERAL FACILITY SEMS	0.500 0.500		0	0 0	0	NR NR	NR NR	0 0
Lists of Federal CERCLA	A sites with N	FRAP						
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA fa undergoing Corrective A								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA T	SD facilities							
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA g	enerators							
RCRA-LQG RCRA-SQG RCRA-VSQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional con engineering controls reg								
LUCIS US ENG CONTROLS US INST CONTROLS	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent s								
AZ NPL AZ WQARF	1.000 1.000		0 0	0 0	0 0	0 0	NR NR	0 0
Lists of state- and tribal hazardous waste facilitie								
SPL SHWS	1.000 1.000		0 0	0 0	0 0	0 0	NR NR	0 0
Lists of state and tribal l and solid waste disposa								
SWF/LF	0.500		0	0	0	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Lists of state and tribal	leaking storaç	ge tanks						
LUST INDIAN LUST	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of state and tribal	registered sto	rage tanks						
FEMA UST UST AST INDIAN UST	0.250 0.250 0.250 0.250		0 0 0 0	0 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 0 0 0
State and tribal institution control / engineering co		es						
AZURITE AUL	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of state and tribal	voluntary clea	anup sites						
VCP INDIAN VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of state and tribal	brownfield sit	tes						
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENT	NTAL RECORD	<u>s</u>						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	Solid							
SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI DEBRIS REGION 9	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS  Local Lists of Hazardou  Contaminated Sites	0.500 s waste/		0	0	0	NR	NR	0
US HIST CDL	0.001		0	NR	NR	NR	NR	0
CDL US CDL	0.001 0.001		0	NR NR	NR NR	NR NR	NR NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency	Release Repo	rts						
HMIRS SPILLS SPILLS 90	0.001 0.001 0.001		0 0 0	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
Other Ascertainable Red								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		Ö	ő	Ö	Ö	NR	ő
SCRD DRYCLEANERS	0.500		Ö	Ö	Ö	NR	NR	Ö
US FIN ASSUR	0.001		Õ	NŘ	NR	NR	NR	Ö
EPA WATCH LIST	0.001		Ö	NR	NR	NR	NR	Ö
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		Ō	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS CONSENT	0.001		0	NR	NR	NR	NR	0
INDIAN RESERV	1.000 1.000		0	0	0	0	NR NR	0
FUSRAP	1.000		0 0	0 0	0 0	0 0	NR NR	0 0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	ő
US MINES	0.250		Ö	0	NR	NR	NR	Ö
ABANDONED MINES	0.250		0	0	NR	NR	NR	Ō
MINES MRDS	0.250		Ö	Ō	NR	NR	NR	Ö
FINDS	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TRIS	0.250		0	0	NR	NR	NR	0
PEAS ISCA	0.250		0	0	NR	NK	NR	0
PFAS RCRA MANIFEST PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250 0.250		0 0	0 0	NR NR	NR NR	NR NR	0 0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS PROJECT	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR NR	NR	NR	0
PFAS ECHO FIRE TRAIN	0.250		0	0	NR	NR	NR	0
PFAS PT 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
BIOSOLIDS	0.001		Ő	NR	NR	NR	NR	Ö
			-					-

	Search Distance	Target						Total
Database	(Miles)	Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Plotted
UST FINDER RELEASE	0.500		0	0	0	NR	NR	0
UST FINDER	0.250		0	0	NR	NR	NR	0
E MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM AIRS	0.250 0.001		0 0	0 NR	NR NR	NR NR	NR NR	0 0
Aquifer	0.001		0	NR	NR	NR	NR	0
AZ DOD	0.500		0	0	0	NR	NR	0
Dry Wells	0.001		Ö	NR	NR	NR	NR	Ő
DRYCLEANERS	0.250		Ō	0	NR	NR	NR	Ō
EMAP	0.001		0	NR	NR	NR	NR	0
Enforcement	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
MANIFEST	0.250		0	0	NR	NR	NR	0
SPDES	0.001		0	NR	NR	NR	NR	0
VAPOR UIC	0.500 0.001		0 0	0 NR	0 NR	NR NR	NR NR	0 0
WWFAC	0.500		0	0	0	NR	NR	0
DRYWELLS HIST	TP		NR	NR	NR	NR	NR	0
D1(1) W2220 11101								Ŭ
EDR HIGH RISK HISTORICA	L RECORDS							
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
			· ·					·
EDR RECOVERED GOVERN	MENT ARCHIV	<u>ES</u>						
Exclusive Recovered Go	vt. Archives							
RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		Ö	NR	NR	NR	NR	Ö
RGA LUST	0.001		0	NR	NR	NR	NR	0
Tatala		0	0	0	0	0	0	0
- Totals		0	0	0	0	0	0	0

#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID		MAP FINDINGS		
Direction				
Distance				EDR ID Number
Elevation	Site		Database(s)	EPA ID Number

NO SITES FOUND

Count: 0 records. ORPHAN SUMMARY

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

NO SITES FOUND

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

# STANDARD ENVIRONMENTAL RECORDS

## Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

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

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

Number of Days to Update: 19 Next Scheduled EDR Contact: 04/07/2025
Data Release Frequency: Quarterly

**NPL Site Boundaries** 

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

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

EPA Region 3 EPA Region 7

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

EPA Region 4 EPA Region 8

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

EPA Region 5 EPA Region 9

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

EPA Region 10

Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

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

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

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

Next Scheduled EDR Contact: 04/07/2025 Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991 Date Data Arrived at EDR: 02/02/1994 Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA

Telephone: 202-564-4267 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

## Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/19/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/21/2025

Number of Days to Update: 19

Source: EPA Telephone: N/A

Last EDR Contact: 02/04/2025

Next Scheduled EDR Contact: 04/07/2025 Data Release Frequency: Quarterly

## Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/20/2024 Date Data Arrived at EDR: 12/18/2024 Date Made Active in Reports: 12/20/2024

Number of Days to Update: 2

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 12/18/2024

Next Scheduled EDR Contact: 04/07/2025 Data Release Frequency: Varies

## SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/19/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/21/2025

Number of Days to Update: 19

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 02/03/2025

Next Scheduled EDR Contact: 04/21/2025 Data Release Frequency: Quarterly

#### Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 12/19/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/21/2025

Number of Days to Update: 19

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 02/03/2025

Next Scheduled EDR Contact: 04/21/2025 Data Release Frequency: Quarterly

### Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/16/2024 Date Data Arrived at EDR: 09/17/2024 Date Made Active in Reports: 12/06/2024

Number of Days to Update: 80

Source: EPA

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

Next Scheduled EDR Contact: 03/31/2025 Data Release Frequency: Quarterly

#### Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/16/2024 Date Data Arrived at EDR: 09/17/2024 Date Made Active in Reports: 12/06/2024

Number of Days to Update: 80

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 02/19/2025

Next Scheduled EDR Contact: 03/31/2025 Data Release Frequency: Quarterly

# Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 09/16/2024 Date Data Arrived at EDR: 09/17/2024 Date Made Active in Reports: 12/06/2024

Number of Days to Update: 80

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 02/19/2025

Next Scheduled EDR Contact: 03/31/2025 Data Release Frequency: Quarterly

### RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 09/16/2024 Date Data Arrived at EDR: 09/17/2024 Date Made Active in Reports: 12/06/2024

Number of Days to Update: 80

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 02/19/2025

Next Scheduled EDR Contact: 03/31/2025 Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation
and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database
includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste
as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate
less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/16/2024 Date Data Arrived at EDR: 09/17/2024 Date Made Active in Reports: 12/06/2024

Number of Days to Update: 80

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 02/19/2025

Next Scheduled EDR Contact: 03/31/2025 Data Release Frequency: Quarterly

## Federal institutional controls / engineering controls registries

### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

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

Number of Days to Update: 85

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 02/20/2025

Next Scheduled EDR Contact: 05/19/2025 Data Release Frequency: Varies

### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 11/04/2024 Date Data Arrived at EDR: 11/15/2024 Date Made Active in Reports: 02/11/2025

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 02/18/2025

Next Scheduled EDR Contact: 12/02/2024 Data Release Frequency: Varies

## US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 11/04/2024 Date Data Arrived at EDR: 11/15/2024 Date Made Active in Reports: 02/11/2025

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 02/18/2025

Next Scheduled EDR Contact: 06/02/2025

#### Federal ERNS list

ERNS: Emergency Response Notification System

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

substances.

Date of Government Version: 12/03/2024 Date Data Arrived at EDR: 12/11/2024 Date Made Active in Reports: 02/18/2025

Number of Days to Update: 69

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 12/11/2024

Next Scheduled EDR Contact: 03/31/2025 Data Release Frequency: Quarterly

## Lists of state- and tribal (Superfund) equivalent sites

AZ NPL: NPL Detail Listing

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

Date of Government Version: 03/31/2023 Date Data Arrived at EDR: 05/25/2023 Date Made Active in Reports: 08/14/2023

Number of Days to Update: 81

Source: Department of Environmental Quality

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

Next Scheduled EDR Contact: 05/26/2025 Data Release Frequency: Varies

WQARF: Water Quality Assurance Revolving Fund Sites

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

Date of Government Version: 04/03/2024 Date Data Arrived at EDR: 05/02/2024 Date Made Active in Reports: 07/24/2024

Number of Days to Update: 83

Source: Department of Environmental Quality

Telephone: 602-771-4360 Last EDR Contact: 02/05/2025

Next Scheduled EDR Contact: 05/26/2025 Data Release Frequency: Annually

### Lists of state- and tribal hazardous waste facilities

SPL: Superfund Program List

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

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

Number of Days to Update: 43

Source: Department of Environmental Quality

Telephone: 602-771-4360 Last EDR Contact: 01/15/2025

Next Scheduled EDR Contact: 05/05/2025 Data Release Frequency: No Update Planned

SHWS: ZipAcids List

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

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

Number of Days to Update: 35

Source: Department of Environmental Quality

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

Next Scheduled EDR Contact: 03/24/2025 Data Release Frequency: No Update Planned

### Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Directory of Solid Waste Facilities

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

Date of Government Version: 09/12/2024 Date Data Arrived at EDR: 09/26/2024 Date Made Active in Reports: 12/11/2024

Number of Days to Update: 76

Source: Department of Environmental Quality

Telephone: 602-771-2300 Last EDR Contact: 12/23/2024

Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: Varies

## Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank Listing

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

Date of Government Version: 09/20/2024 Date Data Arrived at EDR: 10/01/2024 Date Made Active in Reports: 12/11/2024

Number of Days to Update: 71

Source: Department of Environmental Quality

Telephone: 602-771-4345 Last EDR Contact: 12/27/2024

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

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

Date of Government Version: 05/07/2024 Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024

Number of Days to Update: 90

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 01/16/2025

Next Scheduled EDR Contact: 04/28/2025 Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 05/07/2024 Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024

Number of Days to Update: 90

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 01/16/2025

Next Scheduled EDR Contact: 04/28/2025 Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/07/2024 Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024

Number of Days to Update: 90

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 01/16/2025

Next Scheduled EDR Contact: 04/28/2025 Data Release Frequency: Varies

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

Date of Government Version: 05/07/2024 Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024

Number of Days to Update: 90

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

Next Scheduled EDR Contact: 04/28/2025 Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/11/2024 Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024

Number of Days to Update: 90

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 01/16/2025

Next Scheduled EDR Contact: 04/28/2025 Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 05/07/2024 Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024

Number of Days to Update: 90

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 01/16/2025

Next Scheduled EDR Contact: 04/28/2025 Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/07/2024 Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024

Number of Days to Update: 90

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 01/16/2025

Next Scheduled EDR Contact: 04/28/2025 Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 05/07/2024 Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024

Number of Days to Update: 90

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

Next Scheduled EDR Contact: 04/28/2025 Data Release Frequency: Varies

# Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 08/12/2024 Date Data Arrived at EDR: 10/30/2024 Date Made Active in Reports: 01/14/2025

Number of Days to Update: 76

Source: FEMA

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

Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: Varies

UST: Underground Storage Tank Listing

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

Date of Government Version: 09/20/2024 Date Data Arrived at EDR: 10/01/2024 Date Made Active in Reports: 12/11/2024

Number of Days to Update: 71

Source: Department of Environmental Quality

Telephone: 602-771-4345 Last EDR Contact: 12/27/2024

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

AST: List of Aboveground Storage Tanks

Aboveground storage tanks that the Dept. of Building & Fire Safety have permitted.

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

Number of Days to Update: 56

Source: Department of Building & Fire Safety

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

Next Scheduled EDR Contact: 03/17/2025 Data Release Frequency: No Update Planned

AST 2: Aboveground Storage Tank Listing

A listing of aboveground storage tank site locations.

Date of Government Version: 11/12/2024 Date Data Arrived at EDR: 12/04/2024 Date Made Active in Reports: 02/19/2025

Number of Days to Update: 77

Source: Department of Environmental Quality

Telephone: 602-771-4380 Last EDR Contact: 11/26/2024

Next Scheduled EDR Contact: 03/17/2025 Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/11/2024 Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024

Number of Days to Update: 90

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

Next Scheduled EDR Contact: 04/28/2025 Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/14/2024 Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024

Number of Days to Update: 90

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

Next Scheduled EDR Contact: 04/28/2025 Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/14/2024 Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024

Number of Days to Update: 90

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 01/16/2025

Next Scheduled EDR Contact: 04/28/2025 Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 05/14/2024 Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024

Number of Days to Update: 90

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

Next Scheduled EDR Contact: 07/29/2024 Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 05/14/2024 Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024

Number of Days to Update: 90

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 01/16/2025

Next Scheduled EDR Contact: 04/28/2025 Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/14/2024 Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024

Number of Days to Update: 90

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 01/16/2025

Next Scheduled EDR Contact: 04/28/2025 Data Release Frequency: Varies

## INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 05/14/2024 Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024

Number of Days to Update: 90

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 01/16/2025

Next Scheduled EDR Contact: 04/28/2025 Data Release Frequency: Varies

#### INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 05/14/2024 Date Data Arrived at EDR: 05/30/2024 Date Made Active in Reports: 08/28/2024

Number of Days to Update: 90

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

Next Scheduled EDR Contact: 04/28/2025 Data Release Frequency: Varies

# State and tribal institutional control / engineering control registries

## AZURITE: Remediation and DEUR/VEMUR Tracking System

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

Date of Government Version: 03/12/2024 Date Data Arrived at EDR: 03/14/2024 Date Made Active in Reports: 06/04/2024

Number of Days to Update: 82

Source: Department of Environmental Quality Telephone: 602-771-4397

Telephone: 602-771-4397 Last EDR Contact: 12/04/2024

Next Scheduled EDR Contact: 03/24/2025 Data Release Frequency: Varies

### AUL: DEUR Database

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

Date of Government Version: 03/12/2024 Date Data Arrived at EDR: 03/14/2024 Date Made Active in Reports: 06/04/2024

Number of Days to Update: 82

Source: Department of Environmental Quality

Telephone: 602-771-4397 Last EDR Contact: 12/04/2024

Next Scheduled EDR Contact: 03/24/2025 Data Release Frequency: Varies

### Lists of state and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 07/27/2015 Date Data Arrived at EDR: 09/29/2015 Date Made Active in Reports: 02/18/2016

Number of Days to Update: 142

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 12/10/2024

Next Scheduled EDR Contact: 03/31/2025

VCP: Voluntary Remediation Program Sites

Sites involved in the Voluntary Remediation Program.

Date of Government Version: 04/02/2024 Date Data Arrived at EDR: 04/05/2024 Date Made Active in Reports: 06/26/2024

Number of Days to Update: 82

Source: Department of Environmental Quality

Telephone: 602-771-4411 Last EDR Contact: 12/16/2024

Next Scheduled EDR Contact: 04/07/2025 Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

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

Number of Days to Update: 27

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

Next Scheduled EDR Contact: 07/20/2009

Data Release Frequency: Varies

#### Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfields Tracking System

Information relating to Brownfields sites in Arizona.

Date of Government Version: 09/08/2022 Date Data Arrived at EDR: 09/09/2022 Date Made Active in Reports: 12/08/2022

Number of Days to Update: 90

Source: Department of Environmental Quality

Telephone: 602-771-4401 Last EDR Contact: 02/05/2025

Next Scheduled EDR Contact: 04/07/2025

Data Release Frequency: Varies

#### ADDITIONAL ENVIRONMENTAL RECORDS

## Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 09/09/2024 Date Data Arrived at EDR: 09/11/2024 Date Made Active in Reports: 12/06/2024

Number of Days to Update: 86

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 12/12/2024

Next Scheduled EDR Contact: 03/24/2025 Data Release Frequency: Semi-Annually

## Local Lists of Landfill / Solid Waste Disposal Sites

SWTIRE: Solid Waste Tire Facilities

A waste tire "facility" means a solid waste facility at which waste tires are stored outdoors on any day.

Date of Government Version: 11/20/2024 Date Data Arrived at EDR: 11/22/2024 Date Made Active in Reports: 02/14/2025

Number of Days to Update: 84

Source: Department of Environmental Quality

Telephone: 602-771-4132 Last EDR Contact: 02/12/2025

Next Scheduled EDR Contact: 06/02/2025

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

Location of open dumps on Indian land.

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

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 01/16/2025

Next Scheduled EDR Contact: 05/05/2025 Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258

Subtitle D Criteria.

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

Number of Days to Update: 39

Source: Environmental Protection Agency

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

Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

County and northern Imperial County, California.

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

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 01/23/2025

Next Scheduled EDR Contact: 04/28/2025 Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 02/07/2024 Date Data Arrived at EDR: 11/13/2024 Date Made Active in Reports: 11/19/2024

Number of Days to Update: 6

Source: Department of Health & Human Serivces, Indian Health Service

Telephone: 301-443-1452 Last EDR Contact: 12/09/2024

Next Scheduled EDR Contact: 05/05/2025

Data Release Frequency: Varies

### Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 05/20/2024 Date Data Arrived at EDR: 08/19/2024 Date Made Active in Reports: 10/09/2024

Number of Days to Update: 51

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 02/20/2025

Next Scheduled EDR Contact: 06/02/2025 Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs

A listing of drug lab seizures in Arizona.

Date of Government Version: 10/28/2019 Date Data Arrived at EDR: 10/30/2019 Date Made Active in Reports: 12/12/2019

Number of Days to Update: 43

Source: Board of Technical Registration

Telephone: 602-364-4931 Last EDR Contact: 12/10/2024

Next Scheduled EDR Contact: 03/31/2025

## US CDL: Clandestine Drug Labs

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

Date of Government Version: 05/20/2024 Date Data Arrived at EDR: 08/19/2024 Date Made Active in Reports: 10/09/2024

Number of Days to Update: 51

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 02/20/2025

Next Scheduled EDR Contact: 06/02/2025 Data Release Frequency: Quarterly

#### Local Land Records

#### LIENS 2: CERCLA Lien Information

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

Date of Government Version: 12/19/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/21/2025

Number of Days to Update: 19

Source: Environmental Protection Agency

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

Next Scheduled EDR Contact: 04/07/2025 Data Release Frequency: Semi-Annually

## Records of Emergency Release Reports

## HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/14/2024 Date Data Arrived at EDR: 06/17/2024 Date Made Active in Reports: 06/24/2024

Number of Days to Update: 7

Source: U.S. Department of Transportation

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

Next Scheduled EDR Contact: 03/31/2025 Data Release Frequency: Quarterly

### SPILLS: Hazardous Material Logbook

Chemical spills and incidents referred to the Emergency Response Unit.

Date of Government Version: 11/15/2024 Date Data Arrived at EDR: 12/03/2024 Date Made Active in Reports: 02/19/2025

Number of Days to Update: 78

Source: Department of Environmental Quality

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

Next Scheduled EDR Contact: 06/02/2025 Data Release Frequency: No Update Planned

# SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/11/2001 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 02/11/2013

Number of Days to Update: 39

Source: FirstSearch Telephone: N/A

Last EDR Contact: 01/03/2013 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

### Other Ascertainable Records

## RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/16/2024 Date Data Arrived at EDR: 09/17/2024 Date Made Active in Reports: 12/06/2024

Number of Days to Update: 80

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 02/19/2025

Next Scheduled EDR Contact: 03/31/2025 Data Release Frequency: Quarterly

### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 10/01/2024 Date Data Arrived at EDR: 11/12/2024 Date Made Active in Reports: 01/21/2025

Number of Days to Update: 70

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 02/11/2025

Next Scheduled EDR Contact: 05/26/2025 Data Release Frequency: Varies

#### DOD: Department of Defense Sites

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

Date of Government Version: 06/07/2021 Date Data Arrived at EDR: 07/13/2021 Date Made Active in Reports: 03/09/2022

Number of Days to Update: 239

Source: USGS

Telephone: 888-275-8747 Last EDR Contact: 01/07/2025

Next Scheduled EDR Contact: 04/21/2025

Data Release Frequency: Varies

### FEDLAND: Federal and Indian Lands

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

Date of Government Version: 04/02/2018 Date Data Arrived at EDR: 04/11/2018 Date Made Active in Reports: 11/06/2019

Number of Days to Update: 574

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 12/30/2024

Next Scheduled EDR Contact: 04/14/2025

Data Release Frequency: N/A

### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021 Date Data Arrived at EDR: 02/03/2023 Date Made Active in Reports: 02/10/2023

Number of Days to Update: 7

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 02/03/2025

Next Scheduled EDR Contact: 05/19/2025

Data Release Frequency: Varies

#### US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

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

Number of Days to Update: 94

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 02/19/2025

Next Scheduled EDR Contact: 03/31/2025 Data Release Frequency: Quarterly

#### EPA WATCH LIST: EPA Watch List

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

Date of Government Version: 08/30/2013 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 617-520-3000 Last EDR Contact: 01/27/2025

Next Scheduled EDR Contact: 05/12/2025 Data Release Frequency: No Update Planned

#### 2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 09/30/2017 Date Data Arrived at EDR: 05/08/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 73

Source: Environmental Protection Agency

Telephone: 703-308-4044 Last EDR Contact: 01/30/2025

Next Scheduled EDR Contact: 05/12/2025 Data Release Frequency: Varies

## TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2020 Date Data Arrived at EDR: 06/14/2022 Date Made Active in Reports: 03/24/2023

Number of Days to Update: 283

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 12/12/2024

Next Scheduled EDR Contact: 03/24/2025 Data Release Frequency: Every 4 Years

### TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2023 Date Data Arrived at EDR: 02/11/2025 Date Made Active in Reports: 02/18/2025

Number of Days to Update: 7

Source: EPA

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

Next Scheduled EDR Contact: 05/26/2025 Data Release Frequency: Annually

## SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 10/15/2024 Date Data Arrived at EDR: 10/16/2024 Date Made Active in Reports: 01/14/2025

Number of Days to Update: 90

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 01/15/2025

Next Scheduled EDR Contact: 04/28/2025 Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical

and health information to aid in the cleanup.

Date of Government Version: 10/24/2024 Date Data Arrived at EDR: 11/01/2024 Date Made Active in Reports: 11/19/2024

Number of Days to Update: 18

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 02/03/2025

Next Scheduled EDR Contact: 03/10/2025 Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 10/01/2024 Date Data Arrived at EDR: 10/23/2024 Date Made Active in Reports: 01/14/2025

Number of Days to Update: 83

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 01/09/2025

Next Scheduled EDR Contact: 04/28/2025

Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995 Date Data Arrived at EDR: 07/03/1995 Date Made Active in Reports: 08/07/1995

Number of Days to Update: 35

Source: EPA

Telephone: 202-564-4104 Last EDR Contact: 06/02/2008

Next Scheduled EDR Contact: 09/01/2008 Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 09/19/2023 Date Data Arrived at EDR: 10/03/2023 Date Made Active in Reports: 10/19/2023

Number of Days to Update: 16

Source: EPA

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

Next Scheduled EDR Contact: 05/12/2025 Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2024
Date Data Arrived at EDR: 10/02/2024
Date Made Active in Reports: 01/10/2025

Number of Days to Update: 100

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 01/02/2025

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

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016 Date Data Arrived at EDR: 11/23/2016 Date Made Active in Reports: 02/10/2017

Number of Days to Update: 79

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/23/2024

Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

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

Number of Days to Update: 25

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

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

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

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

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

Number of Days to Update: 25

Source: EPA

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

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

MLTS: Material Licensing Tracking System

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

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

Number of Days to Update: 33

Source: Nuclear Regulatory Commission

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

Next Scheduled EDR Contact: 04/28/2025 Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2023 Date Data Arrived at EDR: 10/16/2024 Date Made Active in Reports: 01/14/2025

Number of Days to Update: 90

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 11/20/2024

Next Scheduled EDR Contact: 03/10/2025 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017 Date Data Arrived at EDR: 03/05/2019 Date Made Active in Reports: 11/11/2019

Number of Days to Update: 251

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 11/20/2024

Next Scheduled EDR Contact: 03/10/2025 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019 Date Data Arrived at EDR: 11/06/2019 Date Made Active in Reports: 02/10/2020

Number of Days to Update: 96

Source: Environmental Protection Agency

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

Next Scheduled EDR Contact: 05/12/2025 Data Release Frequency: Varies

**RADINFO: Radiation Information Database** 

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S.

Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019 Date Data Arrived at EDR: 07/01/2019 Date Made Active in Reports: 09/23/2019

Number of Days to Update: 84

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 12/17/2024

Next Scheduled EDR Contact: 04/07/2025 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006 Date Data Arrived at EDR: 03/01/2007 Date Made Active in Reports: 04/10/2007

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 10/04/2024 Date Data Arrived at EDR: 10/16/2024 Date Made Active in Reports: 12/06/2024

Number of Days to Update: 51

Source: Department of Transporation, Office of Pipeline Safety

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

Next Scheduled EDR Contact: 05/05/2025 Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2024 Date Data Arrived at EDR: 10/09/2024 Date Made Active in Reports: 01/10/2025

Number of Days to Update: 93

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 12/30/2024

Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: Varies

**BRS: Biennial Reporting System** 

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

Date of Government Version: 12/31/2021 Date Data Arrived at EDR: 03/09/2023 Date Made Active in Reports: 03/20/2023

Number of Days to Update: 11

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 12/12/2024

Next Scheduled EDR Contact: 03/31/2025 Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater

than 640 acres.

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

Number of Days to Update: 546

Source: USGS

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

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

FUSRAP: Formerly Utilized Sites Remedial Action Program

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

Date of Government Version: 03/03/2023 Date Data Arrived at EDR: 03/03/2023 Date Made Active in Reports: 06/09/2023

Number of Days to Update: 98

Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 01/23/2025

Next Scheduled EDR Contact: 05/12/2025

Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 05/08/2024 Date Data Arrived at EDR: 08/14/2024 Date Made Active in Reports: 08/28/2024

Number of Days to Update: 14

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 02/06/2025

Next Scheduled EDR Contact: 05/26/2025 Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/19/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/21/2025

Number of Days to Update: 19

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 02/03/2025

Next Scheduled EDR Contact: 04/07/2025

### LEAD SMELTER 2: Lead Smelter Sites

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

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

Number of Days to Update: 36

Source: American Journal of Public Health

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

Data Release Frequency: No Update Planned

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

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

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

Number of Days to Update: 100

Source: EPA

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

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

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

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

Number of Days to Update: 100

Source: EPA

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

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

### MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 10/01/2024 Date Data Arrived at EDR: 10/02/2024 Date Made Active in Reports: 10/09/2024

Number of Days to Update: 7

Source: DOL, Mine Safety & Health Admi

Telephone: 202-693-9424 Last EDR Contact: 02/19/2025

Next Scheduled EDR Contact: 06/02/2025 Data Release Frequency: Quarterly

## US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/01/2024 Date Data Arrived at EDR: 11/18/2024 Date Made Active in Reports: 02/11/2025

Number of Days to Update: 85

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 02/18/2025

Next Scheduled EDR Contact: 06/02/2025 Data Release Frequency: Semi-Annually

# US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/02/2024 Date Data Arrived at EDR: 08/20/2024 Date Made Active in Reports: 10/09/2024

Number of Days to Update: 50

Source: USGS Telephone: 703-648-7709 Last EDR Contact: 02/20/2025

Next Scheduled EDR Contact: 06/02/2025 Data Release Frequency: Varies

## US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011 Date Data Arrived at EDR: 06/08/2011 Date Made Active in Reports: 09/13/2011

Number of Days to Update: 97

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 02/20/2025

Next Scheduled EDR Contact: 06/02/2025 Data Release Frequency: Varies

#### ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 12/10/2024 Date Data Arrived at EDR: 12/11/2024 Date Made Active in Reports: 02/18/2025

Number of Days to Update: 69

Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 12/10/2024

Next Scheduled EDR Contact: 03/17/2025 Data Release Frequency: Quarterly

MINES MRDS: Mineral Resources Data System Mineral Resources Data System

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

Number of Days to Update: 88

Source: USGS

Telephone: 703-648-6533 Last EDR Contact: 02/20/2025

Next Scheduled EDR Contact: 06/02/2025 Data Release Frequency: Varies

### FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 11/11/2024 Date Data Arrived at EDR: 11/20/2024 Date Made Active in Reports: 02/18/2025

Number of Days to Update: 90

Source: EPA

Telephone: (415) 947-8000 Last EDR Contact: 11/20/2024

Next Scheduled EDR Contact: 03/10/2025 Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023 Date Data Arrived at EDR: 09/13/2023 Date Made Active in Reports: 12/11/2023

Number of Days to Update: 89

Source: Department of Defense Telephone: 703-704-1564 Last EDR Contact: 01/06/2025

Next Scheduled EDR Contact: 04/21/2025 Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 05/06/2021 Date Data Arrived at EDR: 05/21/2021 Date Made Active in Reports: 08/11/2021

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: 202-564-0527 Last EDR Contact: 02/12/2025

Next Scheduled EDR Contact: 06/02/2025 Data Release Frequency: Varies

## ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 12/21/2024 Date Data Arrived at EDR: 12/27/2024 Date Made Active in Reports: 01/10/2025

Number of Days to Update: 14

Source: Environmental Protection Agency

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

Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: Quarterly

## FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/08/2024 Date Data Arrived at EDR: 11/08/2024 Date Made Active in Reports: 01/14/2025

Number of Days to Update: 67

Source: EPA

Telephone: 800-385-6164 Last EDR Contact: 02/13/2025

Next Scheduled EDR Contact: 05/26/2025 Data Release Frequency: Quarterly

#### PFAS NPL: Superfund Sites with PFAS Detections Information

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

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/10/2025

Number of Days to Update: 8

Source: Environmental Protection Agency

Telephone: 703-603-8895 Last EDR Contact: 02/20/2025

Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: Varies

# PFAS FEDERAL SITES: Federal Sites PFAS Information

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

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/10/2025

Number of Days to Update: 8

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 02/20/2025

Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: Varies

## PFAS TRIS: List of PFAS Added to the TRI

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

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/10/2025

Number of Days to Update: 8

Source: Environmental Protection Agency

Telephone: 202-566-0250 Last EDR Contact: 02/20/2025

Next Scheduled EDR Contact: 04/14/2025

### PFAS TSCA: PFAS Manufacture and Imports Information

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

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/10/2025

Number of Days to Update: 8

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 02/20/2025

Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: Varies

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

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST\_HANDLING\_INSTR), Non-hazardous waste description (NON\_HAZ\_WASTE\_DESCRIPTION), DOT printed information (DOT\_PRINTED\_INFORMATION), Waste line handling instructions (WASTE\_LINE\_HANDLING\_INSTR), Waste residue comments (WASTE\_RESIDUE\_COMMENTS).

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/10/2025

Number of Days to Update: 8

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 02/20/2025

Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: Varies

## PFAS ATSDR: PFAS Contamination Site Location Listing

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

Date of Government Version: 06/24/2020 Date Data Arrived at EDR: 03/17/2021 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 601

Source: Department of Health & Human Services

Telephone: 202-741-5770 Last EDR Contact: 01/16/2025

Next Scheduled EDR Contact: 05/05/2025 Data Release Frequency: Varies

### PFAS WQP: Ambient Environmental Sampling for PFAS

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

Date of Government Version: 12/13/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/10/2025

Number of Days to Update: 8

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 02/20/2025

Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: Varies

# PFAS NPDES: Clean Water Act Discharge Monitoring Information

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

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/14/2025

Number of Days to Update: 12

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 01/02/2025

Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: Varies

# PFAS PROJECT: NORTHEASTERN UNIVERSITY PFAS PROJECT

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

Date of Government Version: 05/19/2023 Date Data Arrived at EDR: 04/05/2024 Date Made Active in Reports: 06/06/2024

Number of Days to Update: 62

Source: Social Science Environmental Health Research Institute

Telephone: N/A

Last EDR Contact: 12/05/2024

Next Scheduled EDR Contact: 03/17/2025

Data Release Frequency: Varies

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

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

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/10/2025

Number of Days to Update: 8

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 02/20/2025

Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: Varies

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

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

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/10/2025

Number of Days to Update: 8

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 02/20/2025

Next Scheduled EDR Contact: 04/14/2025

Data Release Frequency: Varies

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

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

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/10/2025

Number of Days to Update: 8

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 02/20/2025

Next Scheduled EDR Contact: 04/14/2025

### AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

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

Date of Government Version: 12/30/2024 Date Data Arrived at EDR: 01/02/2025 Date Made Active in Reports: 01/10/2025

Number of Days to Update: 8

Source: Environmental Protection Agency

Telephone: 202-267-2675 Last EDR Contact: 02/20/2025

Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 02/05/2015 Date Made Active in Reports: 03/06/2015

Number of Days to Update: 29

Source: EPA

Telephone: 202-564-2497 Last EDR Contact: 12/23/2024

Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: Varies

# PCS: Permit Compliance System

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

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

Number of Days to Update: 63

Source: EPA, Office of Water Telephone: 202-564-2496 Last EDR Contact: 12/23/2024

Next Scheduled EDR Contact: 04/14/2025 Data Release Frequency: No Update Planned

#### BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

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

Date of Government Version: 10/13/2024 Date Data Arrived at EDR: 10/16/2024 Date Made Active in Reports: 10/23/2024

Number of Days to Update: 7

Source: Environmental Protection Agency

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

Next Scheduled EDR Contact: 04/28/2025 Data Release Frequency: Varies

# UST FINDER RELEASE: UST Finder Releases Database

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

Date of Government Version: 06/08/2023 Date Data Arrived at EDR: 10/31/2023 Date Made Active in Reports: 01/18/2024

Number of Days to Update: 79

Source: Environmental Protecton Agency

Telephone: 202-564-0394 Last EDR Contact: 02/06/2025

Next Scheduled EDR Contact: 05/19/2025 Data Release Frequency: Semi-Annually

# UST FINDER: UST Finder Database

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

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

Number of Days to Update: 106

Source: Environmental Protection Agency

Telephone: 202-564-0394 Last EDR Contact: 02/06/2025

Next Scheduled EDR Contact: 05/19/2025 Data Release Frequency: Varies

E MANIFEST: Hazardous Waste Electronic Manifest System

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

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

Number of Days to Update: 94

Source: Environmental Protection Agency

Telephone: 833-501-6826 Last EDR Contact: 02/19/2025

Next Scheduled EDR Contact: 03/31/2025 Data Release Frequency: Varies

PFAS: PFAS Contamination Site Listing

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

Date of Government Version: 09/22/2021 Date Data Arrived at EDR: 05/03/2022 Date Made Active in Reports: 07/20/2022

Number of Days to Update: 78

Source: Department of Environmental Quality

Telephone: 602-364-3118 Last EDR Contact: 01/22/2025

Next Scheduled EDR Contact: 05/12/2025

Data Release Frequency: Varies

AQUEOUS FOAM: Aqueous Film Forming Foam Listing

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

Date of Government Version: 11/14/2020 Date Data Arrived at EDR: 03/22/2022 Date Made Active in Reports: 04/26/2022

Number of Days to Update: 35

Source: Department of Environmenatl Quality

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

Next Scheduled EDR Contact: 05/12/2025

Data Release Frequency: Varies

AIRS: Arizona Airs Database

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

Date of Government Version: 10/03/2024 Date Data Arrived at EDR: 10/04/2024 Date Made Active in Reports: 12/19/2024

Number of Days to Update: 76

Source: Department of Environmental Quality

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

Next Scheduled EDR Contact: 04/07/2025 Data Release Frequency: Semi-Annually

AQUIFER: Aquifer Protection Permits List

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

Date of Government Version: 11/04/2024 Date Data Arrived at EDR: 11/06/2024 Date Made Active in Reports: 01/28/2025

Number of Days to Update: 83

Source: Department of Environmental Quality

Telephone: 602-771-4623 Last EDR Contact: 01/30/2025

Next Scheduled EDR Contact: 05/19/2025 Data Release Frequency: Semi-Annually

DOD: Department of Defense Sites

These sites are federal facilities that are either being assessed for potential contamination, or have active remediation taking place on them.

Date of Government Version: 03/31/2023 Date Data Arrived at EDR: 05/17/2023 Date Made Active in Reports: 08/04/2023

Number of Days to Update: 79

Source: Department of Environmental Quality

Telephone: 602-771-4360 Last EDR Contact: 02/05/2025

Next Scheduled EDR Contact: 05/26/2025 Data Release Frequency: Annually

DRY WELLS: Drywell Registration

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

Date of Government Version: 09/12/2024 Date Data Arrived at EDR: 09/26/2024 Date Made Active in Reports: 10/15/2024

Number of Days to Update: 19

Source: Department of Environmental Quality

Telephone: 602-771-4686 Last EDR Contact: 02/05/2025

Next Scheduled EDR Contact: 05/26/2025 Data Release Frequency: Semi-Annually

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

Date of Government Version: 06/17/2019 Date Data Arrived at EDR: 07/20/2020 Date Made Active in Reports: 10/07/2020

Number of Days to Update: 79

Source: Department of Environmental Quality

Telephone: 602-771-4335 Last EDR Contact: 12/04/2024

Next Scheduled EDR Contact: 03/24/2025 Data Release Frequency: No Update Planned

EMAP: All Places of Interest Listing

A listing of all places of interest to the Department of Environmental Quality, including air, waste and water

Date of Government Version: 11/22/2024 Date Data Arrived at EDR: 11/22/2024 Date Made Active in Reports: 02/14/2025

Number of Days to Update: 84

Source: Department of Environmental Quality

Telephone: 602-771-4380 Last EDR Contact: 02/19/2025

Next Scheduled EDR Contact: 06/09/2025

Data Release Frequency: Varies

ENF: Enforcement and Violation Listing

A listing of enforcement and violation cases in the state of Arizona.

Date of Government Version: 10/21/2024 Date Data Arrived at EDR: 10/23/2024 Date Made Active in Reports: 01/13/2025

Number of Days to Update: 82

Source: Department of Environmental Quality

Telephone: 602-771-4424 Last EDR Contact: 01/15/2025

Next Scheduled EDR Contact: 05/05/2025 Data Release Frequency: Varies

FIN ASSURANCE 1: Financial Assurance Information Listing

Financial assurance information for ust sites.

Date of Government Version: 09/12/2024 Date Data Arrived at EDR: 09/18/2024 Date Made Active in Reports: 09/25/2024

Number of Days to Update: 7

Source: Department of Environmental Quality

Telephone: 602-771-4258 Last EDR Contact: 12/10/2024

Next Scheduled EDR Contact: 03/31/2025

Data Release Frequency: Varies

AZ MANIFEST: Manifest Information

Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 06/15/2021
Date Made Active in Reports: 09/09/2021

Number of Days to Update: 86

Source: Department of Environmental Quality

Telephone: N/A

Last EDR Contact: 12/04/2024

Next Scheduled EDR Contact: 03/24/2025 Data Release Frequency: Annually

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

Date of Government Version: 09/26/2024 Date Data Arrived at EDR: 10/03/2024 Date Made Active in Reports: 10/15/2024

Number of Days to Update: 12

Source: Department of Environmental Quality

Telephone: 602-771-4424 Last EDR Contact: 12/23/2024

Next Scheduled EDR Contact: 04/14/2025

Data Release Frequency: Varies

VAPOR: Vapor Intrusion

A listing of vapor intrusion site locations

Date of Government Version: 04/21/2021 Date Data Arrived at EDR: 04/22/2021 Date Made Active in Reports: 07/09/2021

Number of Days to Update: 78

Source: Department of Environmental Quality

Telephone: 602-771-4197 Last EDR Contact: 12/16/2024

Next Scheduled EDR Contact: 04/07/2025

Data Release Frequency: Varies

UIC: Underground Injection Control Wells Underground injection control wells.

> Date of Government Version: 09/30/2015 Date Data Arrived at EDR: 02/05/2016 Date Made Active in Reports: 04/05/2016

Number of Days to Update: 60

Source: Arizona Geological Survey Telephone: 520-770-3500 Last EDR Contact: 01/15/2025

Next Scheduled EDR Contact: 05/05/2025 Data Release Frequency: Varies

WWFAC: Waste Water Treatment Facilities

Statewide list of waste water treatment facilities.

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

Number of Days to Update: 45

Source: Department of Environmental Quality

Telephone: 602-771-4623 Last EDR Contact: 01/08/2025

Next Scheduled EDR Contact: 04/28/2025 Data Release Frequency: Varies

DRYWELLS HIST: Historical Drywells Listing

Historical listing of registered drywells once maintained and made available by the Arizona Department of Environmental Quality (ADEQ) Water Quality Division. In April 2018, ADEQ stopped accepting paper forms and will no longer be updating this list.

Date of Government Version: 04/30/2018 Date Data Arrived at EDR: 09/26/2024 Date Made Active in Reports: 10/15/2024

Number of Days to Update: 19

Source: Department of Environmental Quality

Telephone: 602-771-4686 Last EDR Contact: 02/05/2025

Next Scheduled EDR Contact: 05/26/2025 Data Release Frequency: No Update Planned

# **EDR HIGH RISK HISTORICAL RECORDS**

#### **EDR Exclusive Records**

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

## EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

#### EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A Date Data Arrived at EDR: N/A Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc. Telephone: N/A Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

# **EDR RECOVERED GOVERNMENT ARCHIVES**

# Exclusive Recovered Govt. Archives

## RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

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

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

Source: Department of Environmental Quality

Telephone: N/A

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

## RGA LF: Recovered Government Archive Solid Waste Facilities List

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

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

Source: Department of Environmental Quality

Telephone: N/A

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

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

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

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

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

Source: Department of Environmental Quality

# **COUNTY RECORDS**

PIMA COUNTY:

LF TUCSON: City of Tucson Landfills Listing

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

Date of Government Version: 02/12/2024 Date Data Arrived at EDR: 04/04/2024 Date Made Active in Reports: 06/24/2024

Number of Days to Update: 81

Source: Tucson Department of Environmental and General Services

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

Next Scheduled EDR Contact: 07/15/2024

Data Release Frequency: Varies

## OTHER DATABASE(S)

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

CT MANIFEST: Hazardous Waste Manifest Data

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

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

Number of Days to Update: 83

Source: Department of Energy & Environmental Protection

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

Next Scheduled EDR Contact: 05/19/2025 Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2019 Date Data Arrived at EDR: 11/30/2023 Date Made Active in Reports: 12/01/2023

Number of Days to Update: 1

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 01/23/2025

Next Scheduled EDR Contact: 05/05/2025 Data Release Frequency: Quarterly

RI MANIFEST: Manifest information Hazardous waste manifest information

> Date of Government Version: 12/31/2020 Date Data Arrived at EDR: 11/30/2021 Date Made Active in Reports: 02/18/2022

Number of Days to Update: 80

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 02/06/2025

Next Scheduled EDR Contact: 05/26/2025 Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018 Date Data Arrived at EDR: 06/19/2019 Date Made Active in Reports: 09/03/2019

Number of Days to Update: 76

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 11/27/2024

Next Scheduled EDR Contact: 03/17/2025 Data Release Frequency: Annually

#### Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

#### Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

## AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

# Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

### **Public Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facilities & Group Homes

Source: Department of Health Services

Telephone: 602-674-4220

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

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

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

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

# STREET AND ADDRESS INFORMATION

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# **GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM**

## **TARGET PROPERTY ADDRESS**

DRIPPING SPRINGS GILA & PINAL COUNTIES, ARIZONA WINKELMAN, AZ 85192

## TARGET PROPERTY COORDINATES

Latitude (North): 33.097924 - 33° 5' 52.53" Longitude (West): 110.844269 - 110° 50' 39.37"

Universal Tranverse Mercator: Zone 12 UTM X (Meters): 514532.0 UTM Y (Meters): 3661962.2

Elevation: 4031 ft. above sea level

# **USGS TOPOGRAPHIC MAP**

Target Property Map: 50000441 HAYDEN, AZ

Version Date: 2021

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

- 1. Groundwater flow direction, and
- 2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# **GROUNDWATER FLOW DIRECTION INFORMATION**

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

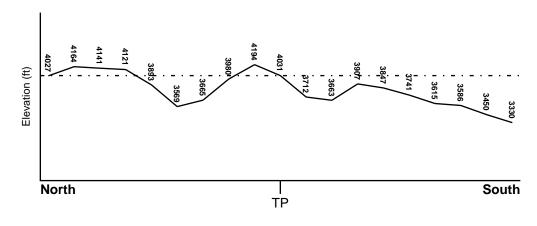
# **TOPOGRAPHIC INFORMATION**

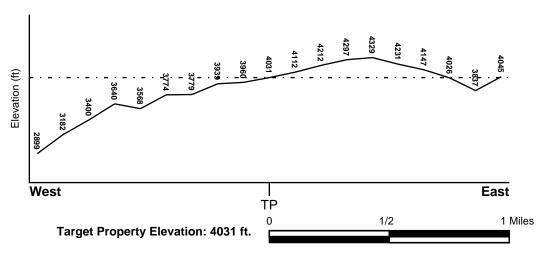
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient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

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WSW

### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





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

# HYDROLOGIC INFORMATION

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

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

## **FEMA FLOOD ZONE**

Flood Plain Panel at Target Property FEMA Source Type

04007C2550D FEMA FIRM Flood data

Additional Panels in search area: FEMA Source Type

Not Reported

**NATIONAL WETLAND INVENTORY** 

NWI Quad at Target Property Data Coverage

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

# HYDROGEOLOGIC INFORMATION

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

# Site-Specific Hydrogeological Data\*:

Search Radius: 1.25 miles Status: Not found

# **AQUIFLOW®**

Search Radius: 1.000 Mile.

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

LOCATION GENERAL DIRECTION

MAP ID FROM TP GROUNDWATER FLOW

Not Reported

# **GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

## **GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY**

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

#### **GEOLOGIC AGE IDENTIFICATION**

Era: Precambrian Category: Stratified Sequence

System: Precambrian
Series: Y Sedimentary rocks

Code: Y (decoded above as Era, System & Series)

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

### DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Component Name: CELLAR

Soil Surface Texture: cobbly - sandy loam

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

water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to

water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 2 inches

Depth to Bedrock Max: > 10 inches

Soil Layer Information							
Layer	Boundary			Classification			
	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	1 inches	cobbly - sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 8.40 Min: 6.60
2	1 inches	9 inches	cobbly - sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 8.40 Min: 6.60
3	9 inches	13 inches	unweathered bedrock	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

## OTHER SOIL TYPES IN AREA

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

Soil Surface Textures: unweathered bedrock

very flaggy - sandy loam

Surficial Soil Types: unweathered bedrock

very flaggy - sandy loam

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: weathered bedrock

# **LOCAL / REGIONAL WATER AGENCY RECORDS**

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

# WELL SEARCH DISTANCE INFORMATION

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 1 mile

State Database 1.000

## **GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

## FEDERAL USGS WELL INFORMATION

MAP ID WELL ID LOCATION FROM TP

No Wells Found

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID WELL ID FROM TP

No PWS System Found

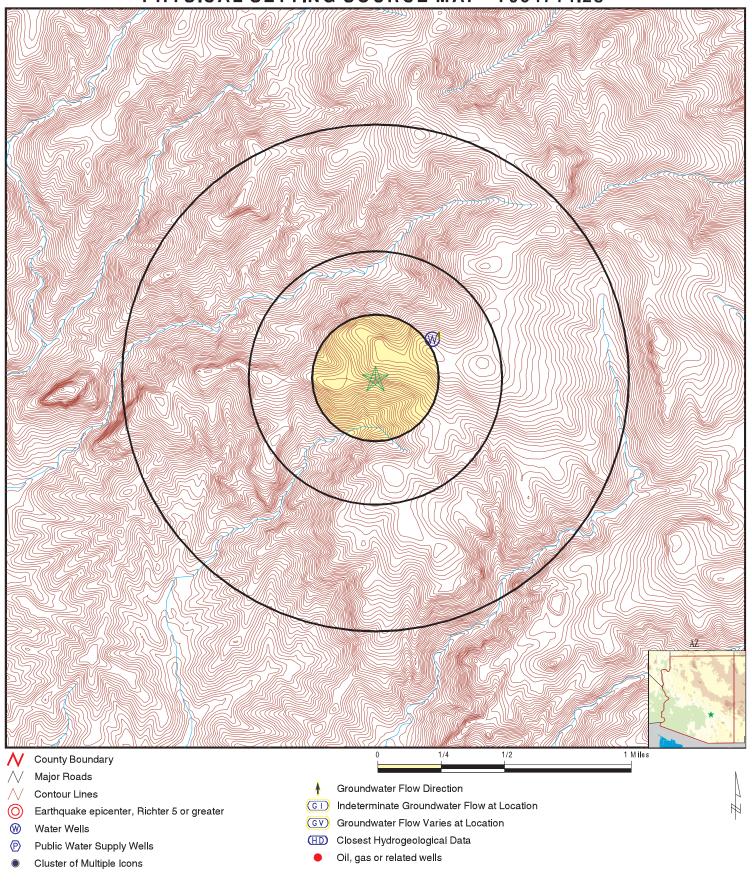
Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

LOCATION MAP ID WELL ID FROM TP

1 AZDWR1200045870 1/4 - 1/2 Mile NE

## PHYSICAL SETTING SOURCE MAP - 7904714.2s



SITE NAME: Dripping Springs
ADDRESS: Gila & Pinal Counties, Arizona
Winkelman AZ 85192

33.097924 / 110.844269

LAT/LONG:

CLIENT: Westland Resources CONTACT: Samantha Blonder INQUIRY#: 7904714.2s

DATE: February 21, 2025 10:16 am

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

Map ID Direction Distance

 Elevation
 Database
 EDR ID Number

 1
 NE
 AZ WELLS
 AZDWR1200045870

 1/4 - 1/2 Mile
 AZ WELLS
 AZDWR1200045870

1/4 - 1/2 Mile Higher

> Program: 55 Registry ID: 505253 Owner Name: Well Type: JANET A BARTON **EXEMPT** Well Type Group: **EXEMPT** Water Use: **DOMESTIC** Basin Name: LOWER SAN PEDRO Driller License #: 186 Application: 22-APR-83 Approved: Not Reported

Installed Date: 23-APR-83 Well Depth (ft): 82

Casing Type: STEEL - PERFORATED OR SLOTTED CASING

Water Level (ft): 29 AMA or INA: OUTSIDE OF AMA OR INA

Casing Depth (ft): 82 Casing Diameter (in): 8

RGR Pump Data: NO Pump Type: SUBMERSIBLE

Pump Power: ELECTRIC MOTOR 1 - 5 HP Pump Rate: 28
Tested Rate: 28 Draw Down: 38

Completion: X Well Cancelled: Not Reported

Driller Log: X Watershed: UPPER GILA RIVER

# GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

Federal EPA Radon Zone for GILA County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for GILA COUNTY, AZ

Number of sites tested: 15

Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
1.227 pCi/L	100%	0%	0%
			Not Reported 0%
		1.227 pCi/L 100% Not Reported Not Reported	1.227 pCi/L 100% 0% Not Reported Not Reported Not Reported

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### **TOPOGRAPHIC INFORMATION**

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

#### **HYDROLOGIC INFORMATION**

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

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Riparian Vegetation Associated with Perennial Waters

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

#### HYDROGEOLOGIC INFORMATION

AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

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

#### **GEOLOGIC INFORMATION**

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

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

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

#### LOCAL / REGIONAL WATER AGENCY RECORDS

#### FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

#### STATE RECORDS

Arizona Well Registration Database

Source: Department of Water Resources

Telephone: 602-771-8535

The Wells database contains all wells registered in the state.

Water Well Information

Agency: Department of Environmental Quality

Telephone: 602-771-2300

#### OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database

Source: Arizona Geological Survey Telephone: 520-770-3500

This database contains Oil and Gas wells in the State of Arizona. Includes all wells that have been permitted by the State Oil and Gas Conservation Commission (OGCC). Gas wells include natural gas, helium, and carbon dioxide wells.

#### RADON

State Database: AZ Radon

Source: Arizona Radiation Regulatory Agency

Telephone: 602-255-4845 State Indoor Radon Survey

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency

(USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

**EPA Radon Zones** 

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor

radon levels.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared

in 1975 by the United State Geological Survey

#### STREET AND ADDRESS INFORMATION

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APPENDIX E Historical Topographic Maps Dripping Springs
Gila & Pinal Counties, Arizona
Winkelman, AZ 85192

Inquiry Number: 7904714.4

February 20, 2025

# **EDR Historical Topo Map Report**

with QuadMatch™



# **EDR Historical Topo Map Report**

02/20/25

Site Name: Client Name:

Dripping Springs

Gila & Pinal Counties, Arizona Winkelman, AZ 85192

EDR Inquiry # 7904714.4

Westland Resources

4001 E. Paradise Falls Drive

Tucson, AZ 85712

Contact: Samantha Blonder



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

Search Resu	ılts:	Coordinates:	
P.O.#	bill to us	Latitude:	33.097924 33° 5' 53" North
Project:	13095 Dripping Spring Phase	Longitude:	-110.844269 -110° 50' 39" West
		UTM Zone:	Zone 12 North
		UTM X Meters:	514531.66
		UTM Y Meters:	3662153.68
		Elevation:	4041.95' above sea level

#### **Maps Provided:**

2021

2018

2014

1983

1964

1910

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## Topo Sheet Key

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

## 2021 Source Sheets



Hayden 2021 7.5-minute, 24000

## 2018 Source Sheets



Hayden 2018 7.5-minute, 24000

## 2014 Source Sheets



Hayden 2014 7.5-minute, 24000

### 1983 Source Sheets



KEARNY 1983 15-minute, 50000

## Topo Sheet Key

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

## 1964 Source Sheets



Hayden 1964 7.5-minute, 24000 Aerial Photo Revised 1962

## 1910 Source Sheets



Ray 1910 15-minute, 62500

SW

S

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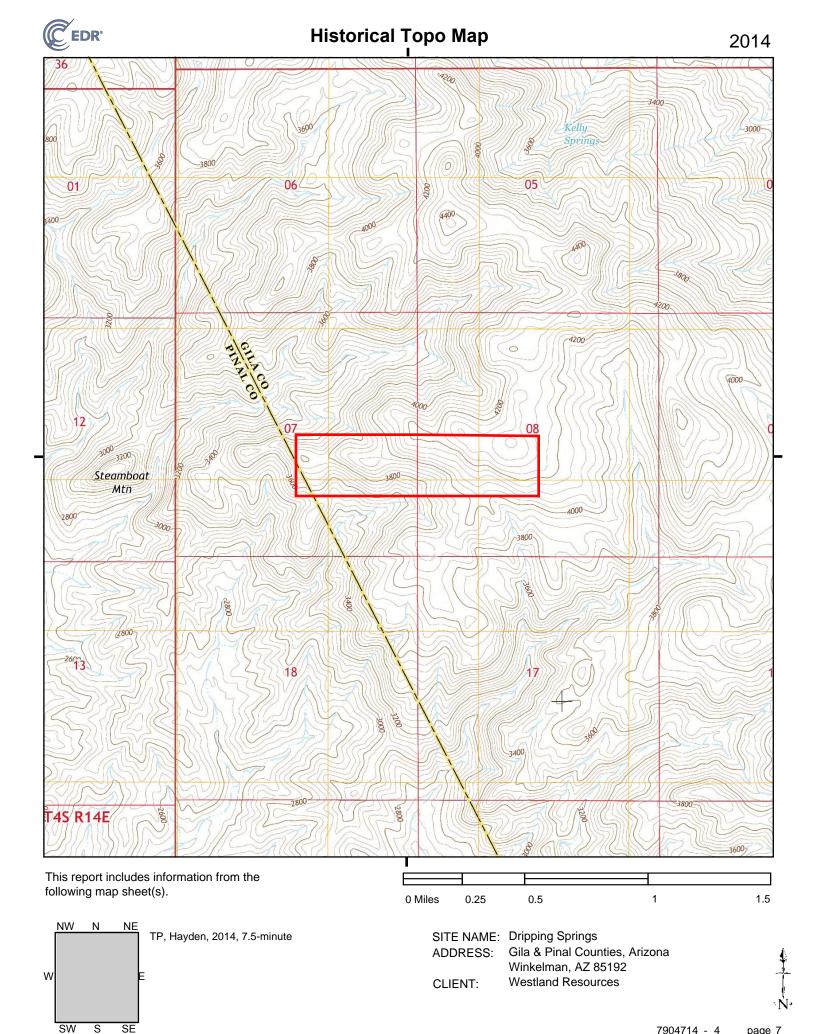
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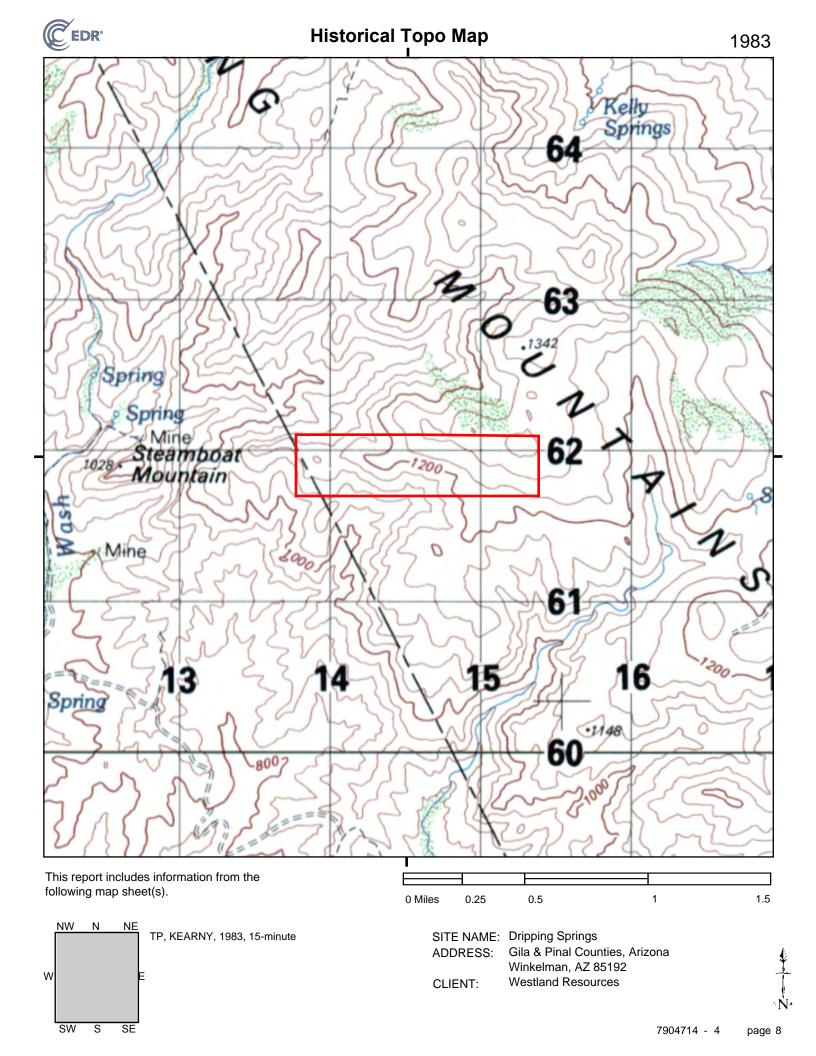
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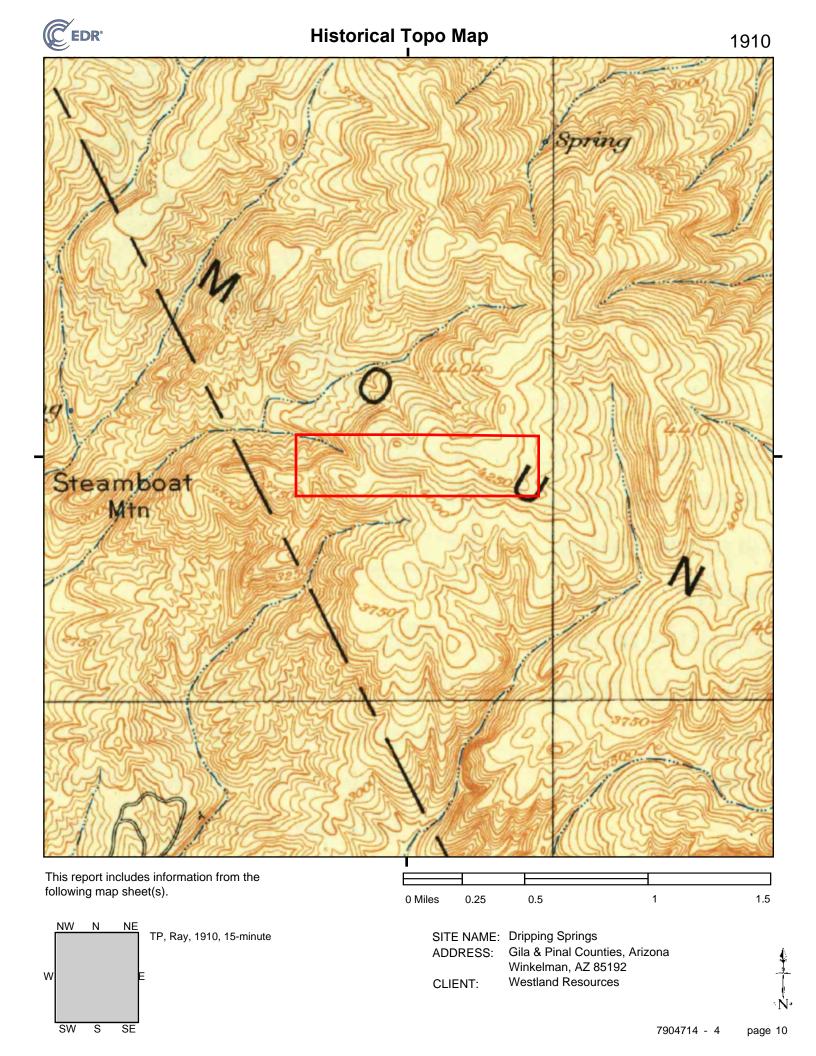
S

Gila & Pinal Counties, Arizona Winkelman, AZ 85192

Westland Resources







# APPENDIX F Historical Aerial Photographs

# **Dripping Springs**

Gila & Pinal Counties, Arizona Winkelman, AZ 85192

Inquiry Number: 7904714.11

February 21, 2025

# The EDR Aerial Photo Decade Package



## **EDR Aerial Photo Decade Package**

02/21/25

Site Name: Client Name:

Dripping Springs

Gila & Pinal Counties, Arizona

EDR Inquiry # 7904714.11

Winkelman, AZ 85192

Westland Resources

4001 E. Paradise Falls Drive

Tucson, AZ 85712

Contact: Samantha Blonder



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

#### Search Results:

Year	Scale	Details	Source
	4" 750	——————————————————————————————————————	
2019	1"=750'	Flight Year: 2019	USDA/NAIP
2015	1"=750'	Flight Year: 2015	USDA/NAIP
2010	1"=750'	Flight Year: 2010	USDA/NAIP
2007	1"=750'	Flight Year: 2007	USDA/NAIP
1992	1"=750'	Acquisition Date: April 26, 1992	USGS/DOQQ
1983	1"=750'	Flight Date: July 04, 1983	USDA
1979	1"=750'	Flight Date: February 25, 1979	USGS
1962	1"=750'	Flight Date: January 15, 1962	USGS
1953	1"=750'	Flight Date: April 25, 1953	USGS

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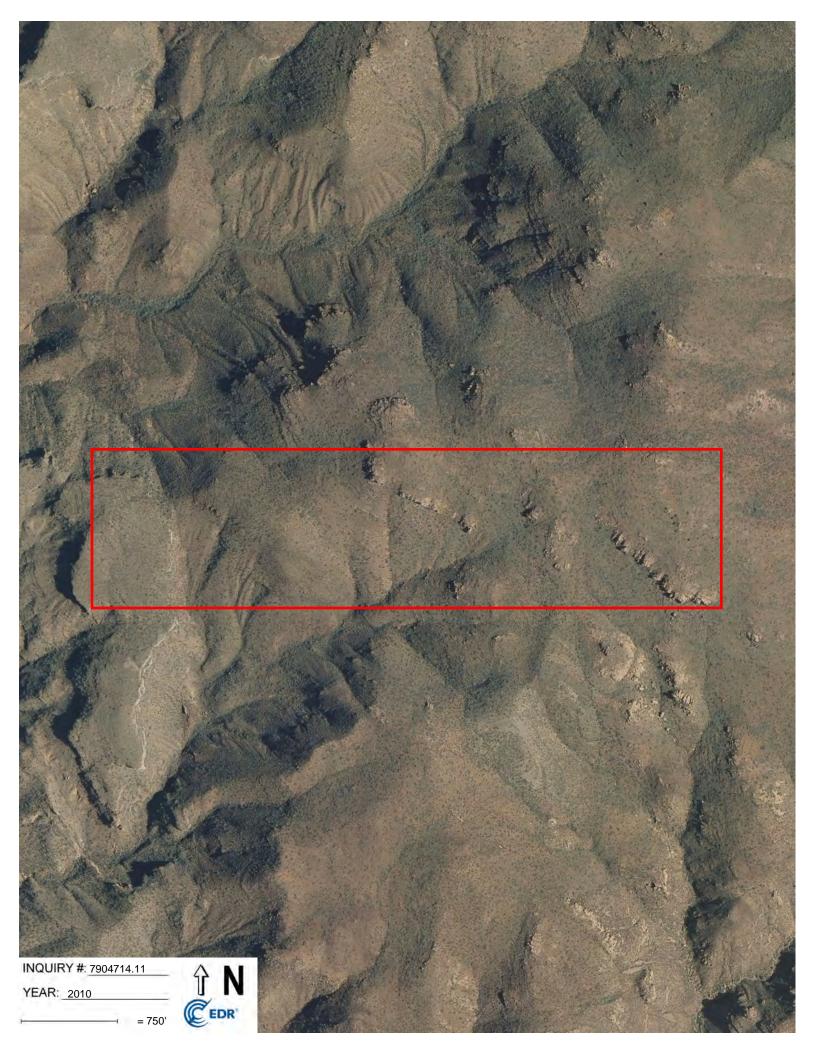
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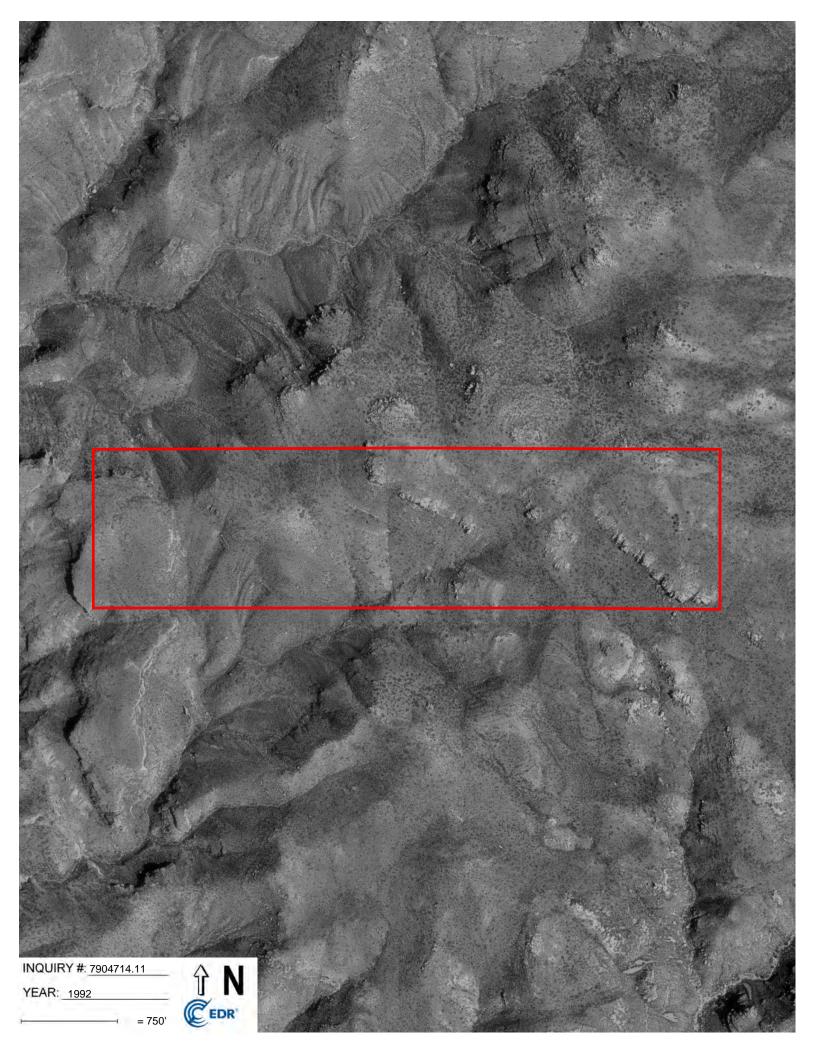
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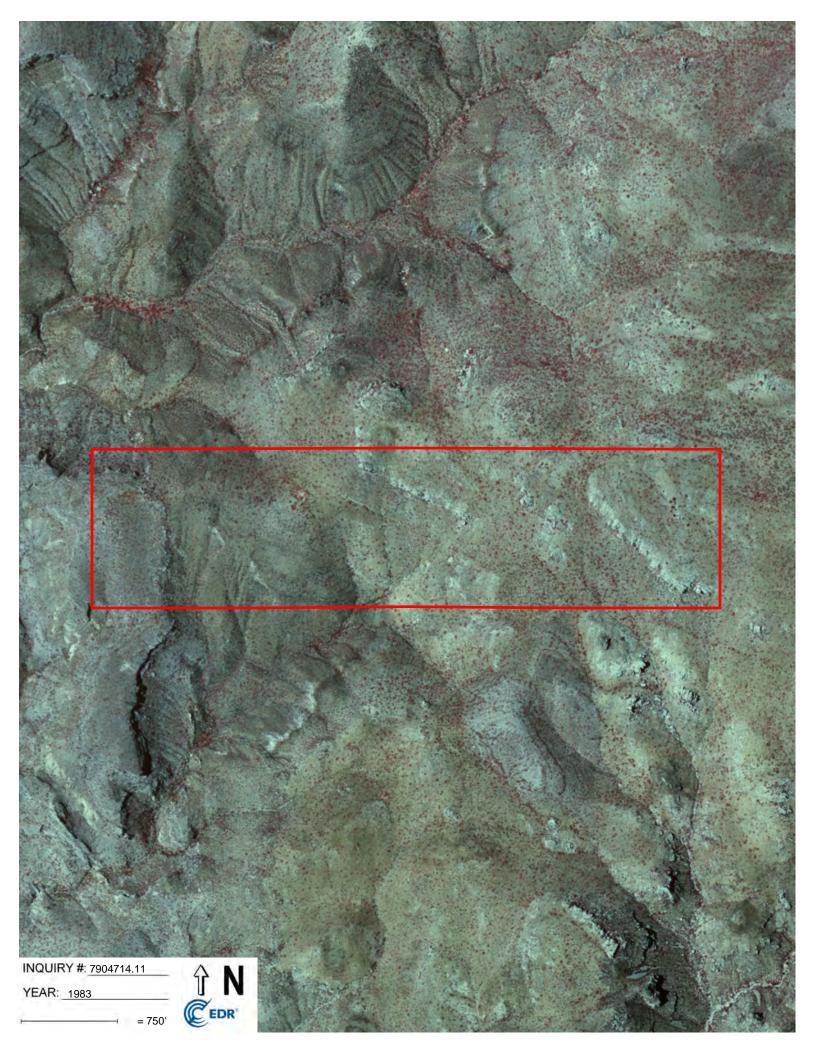


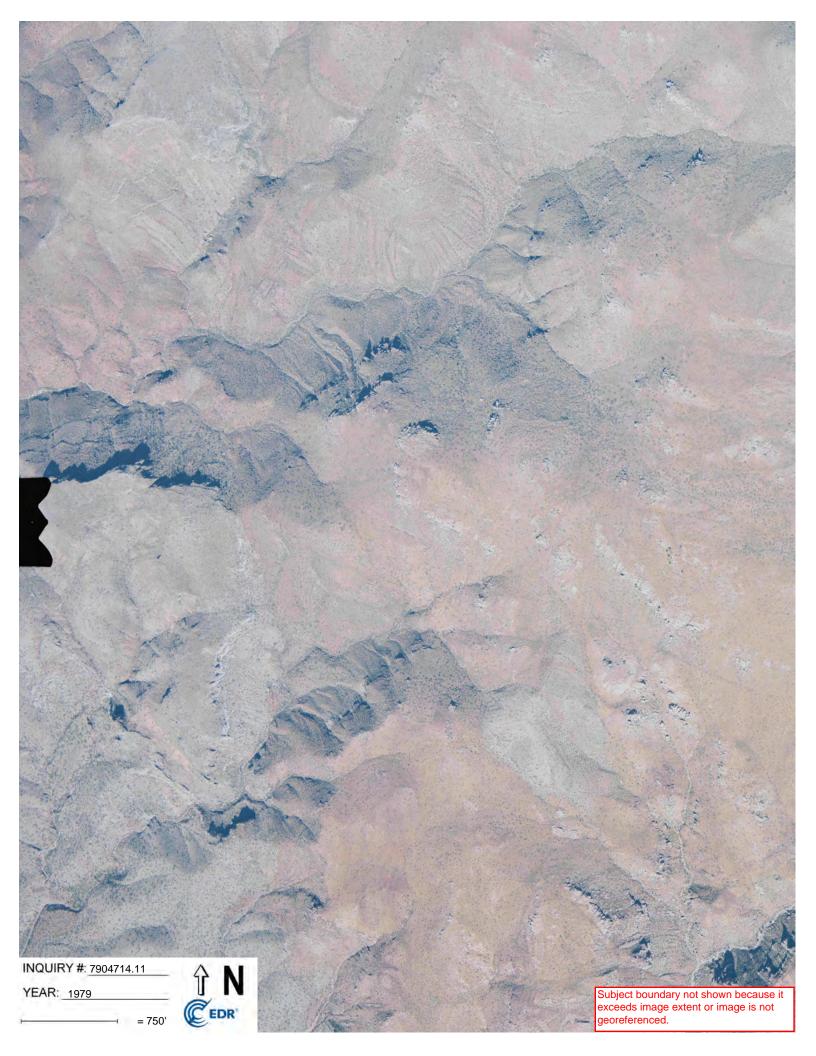


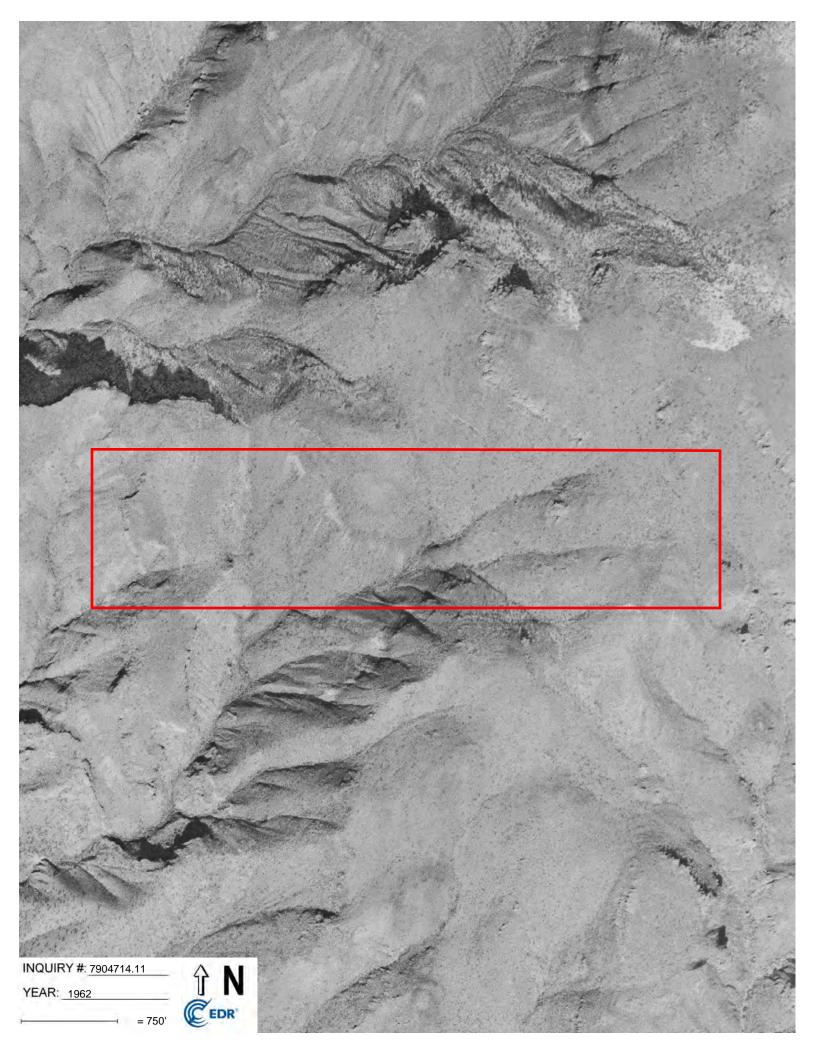


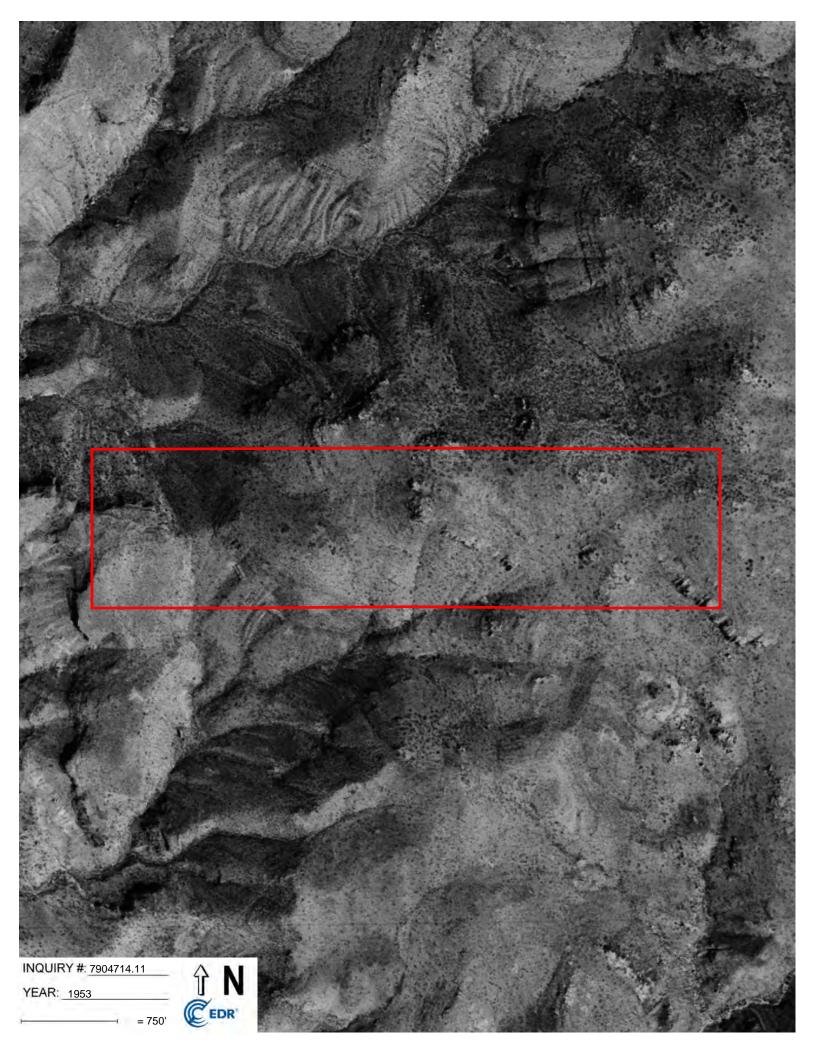












APPENDIX G Property Tax Map

## **Dripping Springs**

Gila & Pinal Counties, Arizona Winkelman, AZ 85192

Inquiry Number: 7904714.6

February 20, 2025

# The EDR Property Tax Map Report



## **EDR Property Tax Map Report**

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

### Thank you for your business.

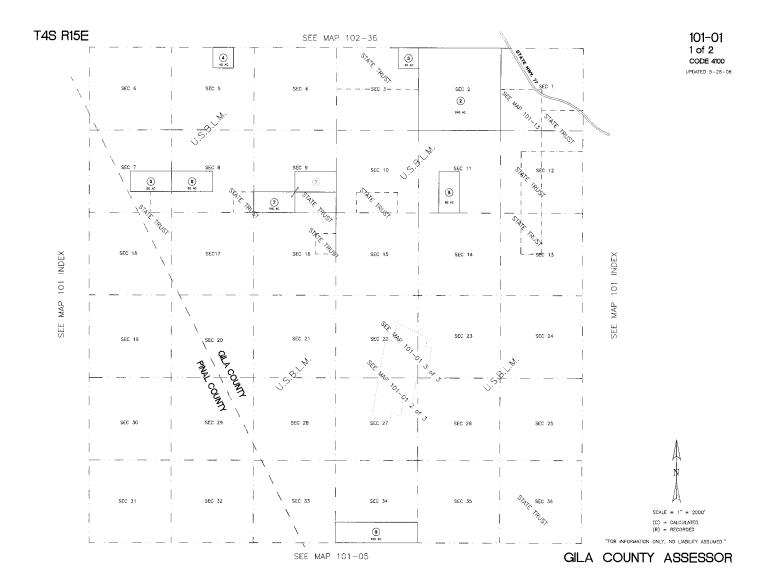
Please contact EDR at 1-800-352-0050 with any questions or comments.

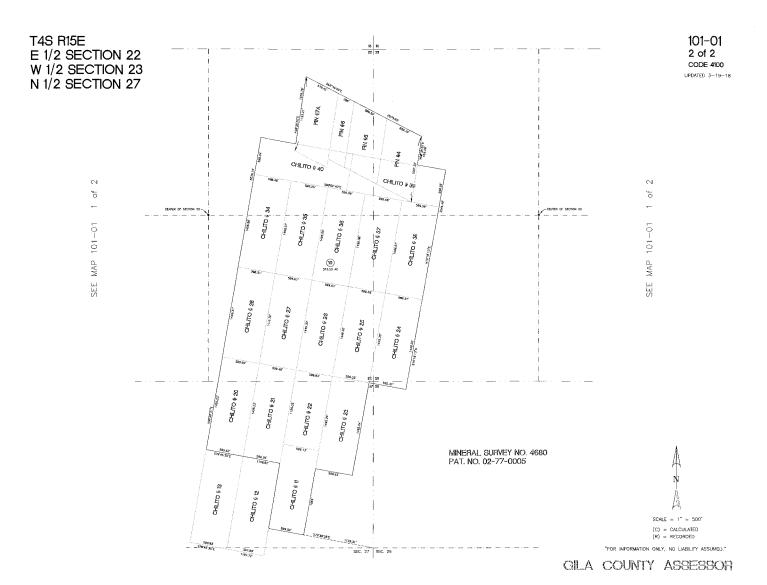
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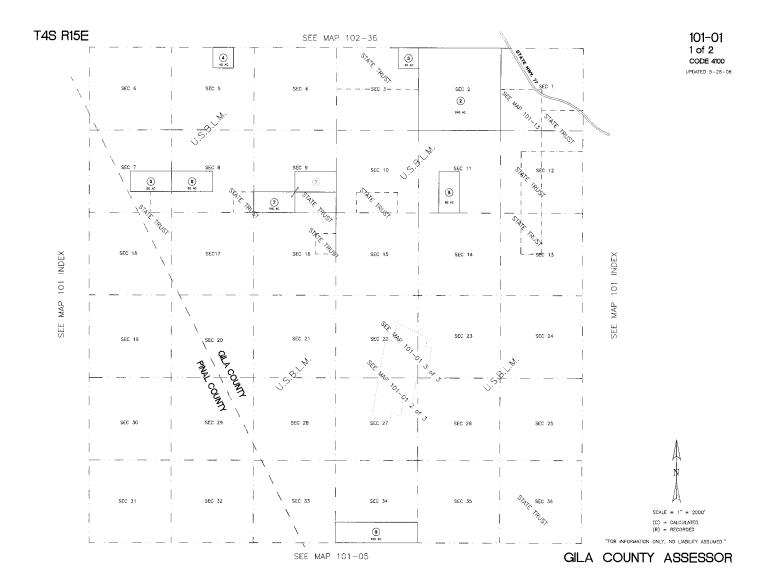
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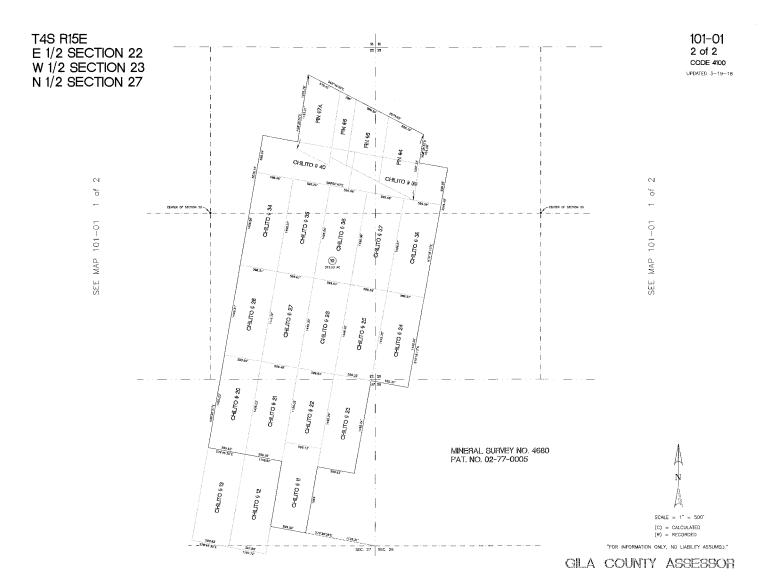
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APPENDIX H
Gila County Assessor Property Tax Records

#### **Property Profile** The Office of the Gila County Assessor

1400 E. Ash Street Globe, AZ 85501 - Phone: (928) 402-8714

Account: R000017

Tax Year: 2020

Account Type: Agricultural

\*Tax Rate: 0.178797 \*Extimated Tax: \$34.70

Version: 04/09/2020 4100

Parcel: 10101006 Area ID:

Parcel Size:

Status: Active

80 - A

#### Name and Address Information

RESOLUTION COPPER MINING LLC C'O LEGAL DEPARTMENT 102 MAGMA HEIGHTS BOX 1944 SUPERIOR, AZ 85173

#### **Property Location**

Dripping Springs Ranch Winkelman 85192

#### **Legal Description**

Section: 08 Township: 04S Range: 15E N2 SW4 SEC 8 T4S R15E = 80..0 AC (SPRING PERMITS)

	2020		2019	
	FCV	Secondary Assessed	FCV	Secondary Assessed
Land	\$1,294	\$194	\$1,294	\$194
Improvements	-	-	=	-
Personal Property	-	-	=	-
Exempt	-	-	=	-
Total	\$1,294	\$194	\$1,294	\$194

	2020		2019	
Γ	LPV	Primary Assessed	LPV	Primary Assessed
Value	\$1,294	\$194	\$1,294	\$194
Exempt	-	-	-	-
Total	\$1,294	\$194	\$1,294	\$194

#### **User Remarks**



<sup>\*</sup> The results of this property tax estimation are for informational purposes only. County Assessors do not collect taxes, determine tax rates, or figure the total amount of taxes owed. Tax rates are set on or before the third week in August each year by the County Board of Supervisors. This calculation will be an ESTIMATE ONLY of the actual tax bill using the most current tax rates.

#### **Property Profile** The Office of the Gila County Assessor

1400 E. Ash Street Globe, AZ 85501 - Phone: (928) 402-8714

Tax Year: 2020 Account: R000013

\*Tax Rate: 0.178797 Version: 04/09/2020 Area ID: \*Extimated Tax: \$34.70 Parcel: 10101005

Parcel Size: 80 - A Status:

Account Type: Agricultural

4100

Active

Name and Address Information

RESOLUTION COPPER MINING LLC C'O LEGAL DEPARTMENT 102 MAGMA HEIGHTS BOX 1944 SUPERIOR, AZ 85173

#### **Property Location**

Dripping Springs Ranch Winkelman 85192

#### **Legal Description**

Section: 07 Township: 04S Range: 15E N2 SE4 SEC 7 T4S R15E = 80.0 AC

Assessment Infor	<u>mation</u>			
	2020		2019	
	FCV	Secondary Assessed	FCV	Secondary Assessed
Land	\$1,294	\$194	\$1,294	\$194
Improvements	-	-	-	-
Personal Property	-	-	-	-
Exempt	-	-	-	-
Total	\$1,294	\$194	\$1,294	\$194

	2020		2019	
	LPV	Primary Assessed	LPV	Primary Assessed
Value	\$1,294	\$194	\$1,294	\$194
Exempt	-	-	-	-
Total	\$1,294	\$194	\$1,294	\$194

**User Remarks** 



<sup>\*</sup> The results of this property tax estimation are for informational purposes only. County Assessors do not collect taxes, determine tax rates, or figure the total amount of taxes owed. Tax rates are set on or before the third week in August each year by the County Board of Supervisors. This calculation will be an ESTIMATE ONLY of the actual tax bill using the most current tax rates.

APPENDIX I
City Directory Report

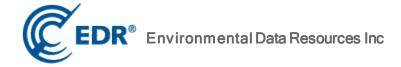
# **Dripping Springs**

Gila & Pinal Counties, Arizona Winkelman, AZ 85192

Inquiry Number: 7904714.5

February 21, 2025

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



#### **TABLE OF CONTENTS**

#### **SECTION**

**Executive Summary** 

**Findings** 

**City Directory Images** 

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#### **EXECUTIVE SUMMARY**

#### **DESCRIPTION**

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

#### **RECORD SOURCES**

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

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

#### **RESEARCH SUMMARY**

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

<u>Year</u>	Target Street	Cross Street	<u>Source</u>
2020			Cole Information
2017			Cole Information
2014			Cole Information
2010			Cole Information
2005			Cole Information
2000			Cole Information
1995			Cole Information

# **FINDINGS**

#### TARGET PROPERTY STREET

Gila & Pinal Counties, Arizona Winkelman, AZ 85192

<u>Year</u>	<u>CD Image</u>	<u>Source</u>	
HIGHWAY 7	<u>'7</u>		
2020	-	Cole Information	Target and Adjoining not listed in Source
2017	-	Cole Information	Target and Adjoining not listed in Source
2014	-	Cole Information	Target and Adjoining not listed in Source
2010	-	Cole Information	Target and Adjoining not listed in Source
2005	-	Cole Information	Target and Adjoining not listed in Source
2000	-	Cole Information	Target and Adjoining not listed in Source
1995	-	Cole Information	Target and Adjoining not listed in Source

7904714-5 Page 2

# **FINDINGS**

### **CROSS STREETS**

No Cross Streets Identified

7904714-5 Page 3

APPENDIX J Sanborn Map Report Dripping Springs Gila & Pinal Counties, Arizona Winkelman, AZ 85192

Inquiry Number: 7904714.3

February 20, 2025

# **Certified Sanborn® Map Report**



## **Certified Sanborn® Map Report**

02/20/25

Site Name: Client Name:

Dripping Springs Westland Resources
Gila & Pinal Counties, Arizona 4001 E. Paradise Falls Drive

Winkelman, AZ 85192 Tucson, AZ 85712

EDR Inquiry # 7904714.3 Contact: Samantha Blonder



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

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

#### Certified Sanborn Results:

Certification # 552B-4633-946B

PO# bill to us

Project 13095 Dripping Spring Phase I

#### **UNMAPPED PROPERTY**

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



Sanborn® Library search results

Certification #: 552B-4633-946B

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

✓ Library of Congress

University Publications of America

EDR Private Collection

The Sanborn Library LLC Since 1866™

#### **Limited Permission To Make Copies**

Westland Resources (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

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page 2

APPENDIX K Building Permit Report **Dripping Springs** 

Gila & Pinal Counties, Arizona Winkelman, AZ 85192

Inquiry Number: 7904714.8

February 20, 2025

# **EDR Building Permit Report**

**Target Property and Adjoining Properties** 



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

2/20/25

Site Name: Client Name:

Dripping Springs Westland Resources

Gila & Pinal 4001 E. Paradise Falls Drive

Winkelman, AZ 85192 Tucson, AZ 85712

EDR Inquiry # 7904714.8 Contact: Samantha Blonder

#### Search Documentation

#### **DATA GAP**

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

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#### **EDR BUILDING PERMIT REPORT**

#### **About This Report**

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

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

#### Methodology

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

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

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

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





# APPENDIX L BLM H-2000-01 Pre-Acquisition Environmental Site Assessments Checklist

#### Appendix 1. Blank PALS Forms

# Instructions for Completion of Required Documentation for a Pre-Acquisition Liability Survey (PALS)

#### Introduction.

The land acquisition screening process is required for all proposed real property acquisitions and is used to determine whether there may be any hazardous substances, petroleum products, or other environmental problems on the real property. The purpose of the process is to help ensure that the BLM does not unknowingly acquire contaminated property and also to limit exposure to environmental liability.

Below are the recommended steps for completing the documentation:

Step	Document	Section	By	Submit To
1	Cover Sheet	Section 1 - Property	RS	AEP/EP
		Description		
2	Worksheet 1: Records.	All	AEP/EP	EP
3	Worksheet 2: Questionnaire for	All	AEP/EP	EP
	Interview.			
4	Worksheet 3: Visual Inspection of the	All	AEP/EP	EP
	Property and of Adjoining Property.			
5	Worksheet 4: Solid Waste, Physical	All	AEP/EP	EP
	Hazards, and Non-Scope Issues.			
6	Cover Sheet	Section 2 - Prepared By	AEP/EP	EP
7	AAI Results	All	EP	Manager
	Worksheet No. 1	All		
	Worksheet No. 2	All		
	Worksheet No. 3	All		
	Worksheet No. 4	All		
	Cover Sheet	Section 3– AAI		
		Conclusions		
8	Cover Sheet	Section 4 - Approved	Authorized	RS
		Ву	Officer	

RS=Realty Specialist

AEP=Assistant Environmental Professional

EP=Environmental Professional

For Completion of Required Documentation For a Pre-Acquisition Liability Survey (PALS)

The worksheets are intended to assist with completion of the land acquisition screening process. They are useful guides, but are not all inclusive, and are intended to allow the BLM to meet all the requirements for the CERCLA defenses. Not all questions may be applicable for the property. All questions noted as incomplete data gaps, or not applicable, must be documented and reviewed by the EP.

The Realty Specialist (RS), Assistant Environmental Professional (AEP) and Environmental Professional (EP) will work together to complete all work on the proposed acquisition. The EP can exercise independent judgment and discretion to complete all work associated with the acquisition documentation to complete the requirements for the Results of Inquiries by an EP. The EP can also complete all work without the use of an AEP.

Instructions for completing the documentation are provided in the following sections.

#### Instructions for Completion of the Cover Sheet.

**Section 1 - Property Description:** This section will be completed by the RS responsible for the acquisition project. This person does not have to be the AEP.

**Section 2 - Prepared By:** This section will be signed by the AEP when any of the work was performed under the responsible charge of the EP. If all work was performed by the EP, the EP only needs to sign in Section 3.

**Section 3 – AAI Conclusions:** This section will be completed by the EP who reviewed documentation and completed the AAI Results Form. The EP will provide a conclusion related to the suitability of the property for acquisition. In addition, the EP will make recommendations about solid waste, physical hazards, or non-scope issues that affect the subject property as described on Worksheet No. 4.

**Section 4 - Approval**: The Authorized Officer with the appropriate Approval Authority as described in BLM Manual 1203 – Delegation of Authority, will sign and approve the PALS. If desired, the office may have multiple approvals as long as the final approval is within the requirements of BLM Manual 1203.

**Attachments:** The EP will attach all documentation for the acquisition that supports the conclusions as part of the package submitted to the manager for signature.

For Completion of Required Documentation For a Pre-Acquisition Liability Survey (PALS)

#### Instructions for All Appropriate Inquiries (AAI) Results.

#### General.

This form will be completed and signed only the EP. At the beginning of the AAI for the acquisition project, the EP and AEP will need to decide who will complete Worksheets No. 1 through No. 4. After the work is completed, all worksheets are given to the EP who will review. The EP will use the AAI form to summarize opinions, data gaps, and other information leading to the conclusions.

As part of this process, it is important to understand this is a PALS to be completed on property where there is little likelihood the property has been impacted by hazardous substances and/or petroleum products. At any time in the process, a concern is identified, it must be brought to the attention of the EP who will decide if the PALS is appropriate or a higher level of investigation is needed.

The EP will review completed Worksheets No. 1 through No. 4 to determine if conditions indicative of releases or threatened releases of hazardous substances and/or petroleum products on, at, or to the subject property have occurred.

#### **Section 1: Document Review.**

The EP will complete Section 1 by reviewing Worksheet No. 1-4 and listing who prepared each worksheet, title of preparer, and date the each worksheet was completed. The EP will comment on the contents of the worksheets that support the opinions and data gaps described in Section 2 and 3 of this form.

#### Section 2: Opinions formed by the EP based on document review.

Using information provided on completed Worksheets No. 1-4 and knowledge of the subject property, the EP will offer an opinion if work has identified conditions indicative of releases of hazardous substances and/or petroleum products on, at, or to the subject property. If any have been identified, they must be described.

#### Section 3: Data Gaps identified by the EP during document review.

Using information provided on completed Worksheets No. 1-4 and knowledge of the subject property, the EP will determine if any data gaps exist that affect the ability of the EP to identify conditions indicative of releases of hazardous substances and/or petroleum products on, at, or to the subject property. If any have been identified, they must be described along with the significance of the data gaps in allowing the EP to form an opinion in Section 2.

For Completion of Required Documentation For a Pre-Acquisition Liability Survey (PALS)

#### Section 4: Additional Comments by EP about the property.

This section can be utilized to make additional comments that in the professional judgment of the EP, may impact the property. Issues identified on Worksheet No. 4 will also be addressed in this section.

#### Section 5: All Appropriate Inquiries (AAI) Conclusions.

Based on records search, interviews, site visitation, and other inquiries completed on the subject property reviewed by the EP, the EP will then provide a conclusion related to the suitability of the property for acquisition. The EP may provide comments on the conclusions if desired. This conclusion will be carried over to the cover sheet.

#### Section 6: Qualifications.

The EP signature will constitute meeting the requirements of 40 CFR part 312.2(d).

#### Instructions for Worksheet No. 1 Records.

#### General.

Worksheet No. 1 may be completed by the AEP under the responsible charge of the EP. As previously discussed, the AEP and EP will discuss who and how the information on the worksheets is to be obtained and documented.

Records to be reviewed include historical sources, environmental cleanup liens, and Federal, state, tribal, and local government records. It is not the intent of these instructions to provide detailed methods for determining sources of records as they will vary from state to state.

It is important to document all records reviewed to allow the EP to develop opinions, identify data gaps, and provide recommendations.

#### Part 1: Historical Sources.

As a minimum, the most recent aerial photograph must be reviewed. If the aerial photograph and other research indicate there have never been human-caused environmental impacts on the property, this may be adequate. Aerial photographs must be reviewed until that point in time can be identified.

The RS will provide a preliminary title report which will list the current owner(s) and encumbrances on the property that may indicate current and past uses of the site. The EP will exercise professional judgment concerning and determining the extent of inquiries into the historical sources of information.

For Completion of Required Documentation For a Pre-Acquisition Liability Survey (PALS)

USGS topographic maps can also be utilized to obtain information.

Review of zoning and land use records will also provide information related to past uses on the site.

Other records that provide information include the real property appraisal, newspaper articles, internet sites, and similar sources.

#### Part 2: Environmental Cleanup Liens.

If a Federal or state regulator has filed any environmental cleanup or activity use limitations on the subject property, these must be listed on the preliminary title report. For isolated properties, this absence of liens and/or limitations on the report will be adequate.

#### Part 3: Review of Federal, State, Tribal, and local government record.

Records on the worksheet identified as EPA for a source can be accessed via the Federal Environmental Protection Agency website (<a href="http://www.epa.gov/">http://www.epa.gov/</a>). The database search is generally done by zip code.

Some State Department of Environmental Quality (DEQ) records are now available online as well. The EP can provide assistance on what records are available and how they can be accessed. Perhaps the easiest way to make the first contact is simply search for the name of the state regulator. For example, a search for DEQ may provide listings for several states that have a DEQ. Once into the appropriate state site, there will be links to available data bases.

Landfill records may or may not be available through a state records search as they may be at a local level.

A useful tool to determine if records for a certain address may impact the subject property is the map search feature available through some internet providers.

It is also important to recognize there is often one more record than you counted on being present. A knowledge of the area of the subject property and the surrounding area property is very important to assist in determining which records should be reviewed.

#### Part 4: Attached or Summarized Records.

If any record is found that indicates the subject property has been or could be impacted by hazardous substances and/or petroleum products, the records (or a summary) must be attached and briefly described on the worksheet in sufficient detail to allow the EP to develop an opinion, identify data gaps, and provide conclusions.

For Completion of Required Documentation For a Pre-Acquisition Liability Survey (PALS)

# Instructions for Worksheet No. 2 Questionnaire for Interview with Past and Present Owners, Operators, and Occupants.

This type of property generally will not have improvements or past uses that indicate the property has been impacted by hazardous substances and/or petroleum products. Because of this, the interview may be limited to the current owner and possibly a past owner. The questions are intended as a guide. The EP or AEP may adjust the questions as necessary depending upon the subject property.

It is suggested the questionnaire be mailed to the person(s) to be interviewed. The EP/AEP may use the returned information as a basis for oral interviews, if conducted. Information provided in interviews must be verified during records search and visual inspection to the maximum extent possible.

Interviews may be conducted via phone, in writing, in person, or any combination thereof. The completed records search may provide information about current and past uses that would indicate an emphasis on what questions may be asked of the person(s) to be interviewed. If the current landowner is willing, it is helpful if the owner or person to be interviewed is present during the site inspection. After the visual inspection of the property is completed, it may be necessary to conduct additional interviews to obtain clarification about known or potential concerns found on the subject property.

If any information is found during the interview(s) that indicates the subject property has been or could be impacted by hazardous substances and/or petroleum products, the information must be documented in sufficient detail to allow the EP to develop an opinion, identify data gaps, and provide conclusions.

# Instructions for Worksheet No. 3 Visual Inspection of the Property and of Adjoining Properties.

Written permission to enter must be obtained from the current property owner (subject property and adjacent property) prior to entry for the visual inspection. The permission to enter letter must be carried during the visit.

A visual inspection will be conducted as specified by the EP. It may be conducted by the AEP if under the responsible charge of the EP. In some cases, it may be necessary to include subject matter specialists such as safety officers, geologists, engineers, or others as needed. In addition, in some situations, it may be necessary to be accompanied by law enforcement. All members of the inspection team will be listed on the worksheet.

The date and time of the inspection(s) will be provided. Weather conditions during the inspection will also be documented.

For Completion of Required Documentation For a Pre-Acquisition Liability Survey (PALS)

A site inspection strategy will be developed prior to the site inspection and documented on the worksheet. The strategy will describe the methodology used to inspect the subject property and adjoining property and any areas not inspected and why they were not inspected. During the inspection of the subject property and adjoining properties, photographs will be taken and a photo log prepared that is referenced on the worksheet questions. Limitations such as deep snow, lush vegetation, locked gates, or similar items that prevent access to a site or limit the ability to visually observe conditions at the site will be documented.

The individual responsible for the inspection will sign and date the worksheet.

If any conditions are observed during the visual inspection that indicates the subject property has been or could be impacted by hazardous substances and/or petroleum products, leave the area immediately. Contact the EP for assistance for completing additional inspections. The EP will determine the appropriate course of action before proceeding. The information must be documented in sufficient detail as appropriate to allow the EP to develop an opinion, identify data gaps, and provide conclusions.

#### Instructions for Worksheet No. 4 Solid Waste, Physical Hazards and Non-Scope Issues

Health and safety is a prime consideration and the first priority. Do not put yourself at risk.

During the visual inspection of the property, physical hazards and non-scope issues will be described, locations identified, and photographs taken of each of the items.

The EP will then make recommendations as what should be done with the conditions prior to acquisition. For example, solid waste should be removed by the current property owner prior to acquisition.

The EP may utilize other specialists to develop conclusions and document them on AAI Results and the Cover Sheet.

<u>Cover Sheet</u> Pre-Acquisition Liability Survey (PALS) **Pre-Acquisition Environmental Site Assessment (ESA)** 

Section 1: Property Description	Serial Number:
Property/Name: Dripping Springs	
Location/Legal Description/Tax L	ot No.: Gila County APN: 101-01-005 and 101-01-006
Owner: Resolution Copper Name	1 520 689 9374 Phone Number
Type and Purpose of Acquisition:	Land Exchange
<ul> <li>□ Preliminary Title Report</li> <li>□ Chain of Title Documents if nee</li> <li>□ Permission to Enter Letter</li> <li>□ Site Map</li> </ul>	(if more are needed they will be obtained by the AEP/EP when
Printed Name:	Title:
Signature:	Date:
	sistant Environmental Professional: I have conducted portions of this e of an Environmental Professional.
Printed Name: Samantha Blonder	Title: Assistant Environmental Professional
Signature: Samantha Blonder	Date: 3/25/2025

# **Cover Sheet**

Pre-Acquisition Liability Survey (PALS)
Pre-Acquisition Environmental Site Assessment (ESA)

**Section 3: AAI Conclusions.** As an Environmental Professional, I have reviewed and/or prepared the attached documentation associated with this acquisition and have reached the following conclusion:

✓	This Pre-Acquisition Liability Survey has revealed no evidence of hazardous substances, petroleum products, or environmental conditions on this real property. No further inquiry is needed for purposes of all appropriate inquiries; therefore, this property is suitable for acquisition.
	This Pre-Acquisition Liability Survey has revealed evidence of hazardous substances, petroleum products, or environmental conditions in connection with this real property; therefore, <u>this property is not suitable for acquisition</u> .
	This Pre-Acquisition Liability Survey has revealed evidence of hazardous substances, petroleum products, or environmental conditions in connection with this real property; therefore, <u>a Phase I Environmental Site Assessment is recommended</u> .
proc port	This Pre-Acquisition Liability Survey has revealed evidence of hazardous substances, petroleum ducts, or environmental conditions in connection with this real property. Therefore, <u>only the following ions are suitable for acquisition</u> : (describe). <u>The following portions are not suitable for acquisition and be excluded</u> : (describe).
	litional recommendations for issues identified on Worksheet No. 4: Solid Waste, Physical Hazards, and i-Scope Issues, are as follows:
N/A	
Prin	ted Name: Samantha Blonder Title: Assistant Environmental
G:	nature: Samantha Blonder Date: Professional Date:
Sign	nature: Samantha Stonder Date:
Ifno	one of the PALS was prepared by an AEP, the EP will sign in Section 3.

<u>Cover Sheet</u> Pre-Acquisition Liability Survey (PALS) **Pre-Acquisition Environmental Site Assessment (ESA)** 

### Section 4: Approval. I concur with the conclusion in Section 3.

Pri	nted Na	me:Title:
Sig	gnature:	Date:
	✓ A  ✓  ✓	Il Appropriate Inquiries (AAI) Results Worksheet No. 1: Records Worksheet No. 2: Interviews Worksheet No. 3: Visual Inspection of the Facility and Adjoining Properties Worksheet No. 4: Solid Waste, Physical Hazards, and Non-Scope Issues Aerial Photograph(s) Site Photographs
Π.		

# **All Appropriate Inquires (AAI) Results**

Pre-Acquisition Liability Survey (PALS)

#### Section 1: Document Review § 312.21.

The following are the results of the inquiry to identify conditions indicative of releases or threatened releases, as defined in CERCLA section 101(22), of hazardous substances defined in CERCLA section 101(14); and, petroleum products excluded from the definition of "hazardous substance" as defined in CERCLA section 101(14). I have reviewed and/or prepared the following information:

Info	Document Name	Prepared By	Title	Date	Comments by EP*
	All Appropriate Inquiries (AAI) Results	Samantha Blonder	EP	3/25/2025	Complete.
WS No. 1	Records	Samantha Blonder	□ EP □ AEP	2/21/2025	Environmental Database Research, Inc. None found.
WS No. 2	Interviews	Diana Sandoval	□ EP □ AEP	3/18/2025	User/Owner complete. BLM pending.
WS No. 3	Visual Inspection of the Facility and Adjoining Properties	Christopher Rife	□ EP □ AEP	3/14/2025	Complete. No Rec observed.
WS No. 4	Solid Waste, Physical Hazards, and Non-Scope Issues		□ EP □ AEP	3/14/2025	Complete. None Found.
Attach ment	Site Map(s)		□ EP □ AEP	3/25/2025	Complete.
Attach ment	Most recent aerial photograph and site photographs		□ EP □ AEP	3/25/2025	Complete.

<sup>\*</sup> In this column, for WS No. 1-3, the environmental professional will address conclusions that form the Opinion in Section 2 and the Data Gaps in Section 3. The EP will analyze and prepare recommendations for Solid Waste, Physical Hazards, and Non-Scope Issues identified on WS No. 4. The EP will also review maps, aerial photographs, and site photographs and comment.

# All Appropriate Inquires (AAI) Results Pre-Acquisition Liability Survey (PALS)

### Section 2: Opinions formed by the EP based on document review § 312.21(c)(1).

		DWOV 41 1	
	has not	MION, this inquiry:  identified conditions indicative of releases or threatened releases of hazardous substances and/or petroleum products on, at, in, or to the subject property; or,	
	Desc	indicate a REC for the Property. Two adits were observed on the Property.	
Sec	ction 3: 1	Data Gaps identified by EP during document review § 312.21(c)(2).	
Inf	ormation	n developed as part of this inquiry:	
	has not		
	has	subject property, or,	
	ъ	1	
	Desc	cribe:	
Sec	ction 4: A	Additional Comments by EP about the property.	
_			
_			
_			
_			
_			

# All Appropriate Inquires (AAI) Results Pre-Acquisition Liability Survey (PALS)

#### Section 5: All Appropriate Inquiries (AAI) Conclusions H 2101-04.

As an Environmental Professional, I have reviewed and/or completed the attached documentation associated with this acquisition and reached the following conclusion:

Ø	This Pre-Acquisition Liability Survey has revealed no evidence of hazardous substances, petroleum products, or environmental conditions on this real property. No further inquiry is needed for purposes of all appropriate inquiries; therefore, this property is suitable for acquisition.
	This Pre-Acquisition Liability Survey has revealed evidence of hazardous substances, petroleum products, or environmental conditions in connection with this real property; therefore, this property is
	not suitable for acquisition.  This Pre-Acquisition Liability Survey has revealed evidence of hazardous substances, petroleum products, or environmental conditions in connection with this real property; therefore, a Phase I
	Environmental Site Assessment is recommended.  This Pre-Acquisition Liability Survey has revealed evidence of hazardous substances, petroleum products, or environmental conditions in connection with this real property. Therefore, only the following portions are suitable for acquisition: (describe). The following portions are not suitable for acquisition and will be excluded: (describe).
	mments: s property is suitable for acquisition.
Sec	etion 6: Qualifications §312.21(d).
	eclare that to the best of my professional knowledge and belief, I meet the definition of Environmental fessional as defined in § 312.10 of this part and as established by BLM policy.
nat	ave the specific qualifications based on education, training, and experience to assess a property of the ure, history, and setting of the subject property. I have developed and performed the all appropriate uires in conformance with the standards and practices of 40 CFR part 312.
Naı	me: Samantha Blonder Title: Environmental
Sig	nature: Samantha Blonder Professional Date: 3/25/2025

# Worksheet No. 1 - Records Pre-Acquisition Liability Survey (PALS)

#### The following Records were reviewed:

1.	<b>Historical Sources</b> . Records we the property from hazardous st		ed as far back as necessary to establish there has been no impact on	
			Describe past uses of the property and adjoining property:	
	Recorded Land Title Records:		nain of title records, easements, current owner, or other factors that of the property:	
	The current Warranty Deed fo	r the Property	was executed March 24, 2020 and recorded on April 8, 2020	
	conveying ownership from Sw	ift Current Lar	nd & Cattle LLC to Resolution, a Delaware limited liability	
	company.			
	Zoning/Land Use Records: Land use in all directions of th		rrent land use and zoning: d surrounding lands is characterized by open space. Adjoining land	
	use may also include cattle ran	china.		
		3		
	Other		her records reviewed. Examples include appraisals, miscellaneous net sites, newspaper articles, etc.	
	Historical topo maps, building permit report, Sanborn report, City records, appraisals.			
2	<b>Environmental Cleanup</b>	Describe en	nvironmental cleanup liens on the site. If none, so state.	
	Liens		•	
	None.			

# Worksheet No. 1 - Records Pre-Acquisition Liability Survey (PALS)

3. Reviews of Federal, State, Tribal, and Local Government Records. The following records must be reviewed if available. Check YES if reviewed and N/A if not available. If any records are identified within the minimum search distances or may impact the subject property, the records should be attached and described in number 4

	Minimum Search Distance			
Records Reviewed*	from Property Boundary	Agency*	YES	N/A
Federal NPL site list	1 Mile	EPA	X	
Federal Delisted NPL site list	0.5 Mile	EPA	X	
Federal CERCLIS List	0.5 Mile	EPA	X	
Federal CERCLIS NFRAP List	0.5 Mile	EPA	X	
Federal RCRA CORRACTS facilities list	1 Mile	EPA	X	
Federal RCRA non CORRACTS TSD	0.5 Mile	EPA	X	
facilities list				
Federal RCRA generators list	Property & adjoining property	EPA	X	
Federal Emergency Response Notification	On the Property	EPA	X	
System (ERNS) List				
State, Tribal, local lists of hazardous waste	On the Property	DEQ/Tribe/local	X	
sites identified**				
State, Tribal, local Equivalent NPL**	1 Mile	DEQ/Tribe/local	X	
State, Tribal, local Equivalent CERCLIS**	0.5 Mile	DEQ/Tribe/local	X	
State, Tribal, local landfill and/or solid	0.5 Mile	DEQ/Tribe/local	X	
waste disposal site lists**				
State, Tribal, local leaking storage (LUST	0.5 Mile	DEQ/Tribe/local	X	
& LAST) Lists**				
State, Tribal, local registered storage tank	Property & adjoining property	DEQ/Tribe/local	X	
(UST & AST) Lists**				
State, Tribal, local voluntary cleanup	0.5 Mile	DEQ/Tribe/local	X	
sites**				
Contaminated Well Records	On or adjacent to the property	DWR/DEQ	X	
State Emergency Release Reports	On or adjacent to the property	DEQ	X	

<sup>\*</sup> Records Name and Agency will vary from state to state. For the purposes of this table, EPA is the Federal Environmental Protection Agency. DEQ is the State Equivalent of the EPA. This name will vary from state to state. DWR is Division of Water Resources or state equivalent.

<sup>\*\*</sup> Indicate which record was reviewed by circling the source of the record reviewed.

# Worksheet No. 1 - Records Pre-Acquisition Liability Survey (PALS)

summary of the records in sufficient det	: For any record where the answer was YES, attach the record or a tail for the Environmental Professional to prepare an Opinion as to bject property. Also briefly describe the record below.
See appendix D. No records found.	
Name: Samantha Blonder	Title: Environmental Specialist
Signature: Samantha Blonder	Date:3/25/2025

# **Worksheet No. 2 - Questionnaire for Interview**

Pre-Acquisition Liability Survey (PALS)

The AAI Rule requires that interviews be conducted of the current owner and occupant of the subject property. This worksheet is intended to assist with completion of the Interview portion of the All Appropriate Inquiries land acquisition screening. While it is intended as a useful guide, it is not all inclusive and does not meet all the requirements for CERCLA defenses. If the property has multiple occupants, the inquiry of the environmental professional must include interviewing major occupants, as well as those occupants likely to use, store, treat, handle, or dispose of hazardous substances, pollutants, contaminants, petroleum and petroleum products, and controlled substances, or those occupants who have likely done so in the past. This includes interviewing one or more of the following persons:

- Current and past facility managers with relevant knowledge of uses and physical characteristics of the property
- Past owners, occupants, or operators of the subject property
- Employees of current and past occupants of the subject property

Name of person being interviewed:	
Casey McKeon, Resolution Copper	
(If by phone, provide phone number)	
Affiliation with Subject Real Property:	
Owner/Operator	
(Owner/operator/caretaker/previous owner/neighbor, etc.)	
Time frame offiliated with Subject Peol Property:	
Time frame affiliated with Subject Real Property: 2020 to present.	
2020 to present.	
Name of person conducting interview: Diana Sandoval	
The state of passes and the state of the sta	
Signature of person conducting interview:	
Title of person conducting interview: Environmental Specialist	
2/10/2025	
Date(s) of interview: $\frac{3/18/2025}{}$	
	.1
Note: This form may be mailed to the person(s) to be interviewed. Request a written response to	the

Supersedes Rel. No. 2-289

questions.

# Worksheet No. 2 - Questionnaire for Interview Pre-Acquisition Liability Survey (PALS)

# "To the Best of Your Knowledge..."

#### A. Property Use/s

1. Is the property currently or was it previously used for an industrial or commercial use (i.e. official and unofficial shooting ranges, processing, handling, management, disposal, storage, manufacture, or transportation of hazardous substances or petroleum products, such as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, meth lab, junkyard, boneyard, or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility)? If yes, describe the activities and provide the time frame, types, location(s), and quantities of hazardous substance use and/or storage.  Yes No Unknown
See interview in Appendix B.
Has there been any past, present, or permitted or planned mining activity or oil and gas exploration/development present on the property? If yes, describe the activities and provide the time frame location(s), and scope of operations.  Yes No Unknown
See interview in Appendix B.
2. Has the property ever been used for agricultural, livestock, or crop purposes? If yes, describe the operations and indicate the location(s) and time frames involved.  Yes No Unknown
See interview in Appendix B.
If yes, was hazardous substance use and/or storage involved in the operations (example, pesticide/herbicide use, cattle dip vats)? If yes, describe and provide location(s) and the type, quantity, and duration of use.  Yes No Unknown
See interview in Appendix B.

3. Are there or have there been any improvements, such as old building foundations, buildings, water
towers, smokestacks, smelters, etc., on the property? If yes, describe the improvements and provide
location(s) and the date of construction and removal (if applicable).  Yes No Unknown
1CS 1VO CHKHOWH
See interview in Appendix B.
4. Other Questions as necessary based on the records review:
See interview in Appendix B.
B. Hazardous Materials & Substances
1. Do the current operations at/on the property involve the use and storage of hazardous materials and substances? If yes, please describe the operations and indicate the location(s), type, and quantities of materials used. Describe the storage location(s) and if any chemical mixing (example, pesticide blending) operations occur. Discuss any use, storage, mixing, or disposal of chemicals, automotive or industrial batteries, pesticides, herbicides, fungicides, paints, solvents, or other on fence lines, right of ways, or other structures such as airstrips, heliports, crop duster operations, etc.  Yes No Unknown
See interview in Appendix B.
If yes, has there been a spill or release of hazardous substances, petroleum products, or other potential environmental problems on the property associated with current operations? If yes, describe the nature and location(s) of the release and the quantities and types of hazardous substances. This includes staining of soils and floors in areas utilized for the use and storage of hazardous materials.  Yes No Unknown
See interview in Appendix B.
If a spill or release of hazardous substances or petroleum products had occurred, was it reported to the National Response Center or a local or state emergency response authority? If yes, identify the agency. Yes No N/A Unknown
See interview in Appendix B.

If a spill or release of hazardous substances or petroleum products has occurred, has the release been
mitigated? If yes, describe the mitigation, identify the regulatory agency that oversaw the mitigation, and
indicate if a no-further action (NFA) determination has been issued by the lead regulatory agency.
Yes No N/A Unknown
See interview in Appendix B.
If remediation is completed, is there contamination or residual contamination present? If yes, are there any institutional controls/land use restrictions in place or long-term monitoring and maintenance requirements?
Yes No N/A Unknown
See interview in Appendix B.
<ol> <li>Are there any past operations at the property that involved the use and storage of hazardous materials and substances? If yes, describe the operations and the location(s), types and quantities.</li> <li>Yes No Unknown</li> </ol>
See interview in Appendix B.
If yes, has there been a spill or release of hazardous substances, petroleum products, or other potential environmental problems on the property associated with past operations or tenants? If yes, describe the nature and location(s) of the release and the quantities and types of hazardous substances.  Yes No N/A Unknown
See interview in Appendix B.
If a spill or release of hazardous substances or petroleum products occurred, was it reported to the National Response Center or a local or state emergency response authority? If yes, identify the agency.  Yes No N/A Unknown
See interview in Appendix B.

If a release of hazardous substances or petroleum products occurred, was the release mitigated? If yes,
describe the mitigation, identify the regulatory agency who oversaw the mitigation, and indicate if a no-
further action (NFA) determination was been issued by the lead regulatory agency.
Yes No N/A Unknown
See interview in Appendix B.
If remediation is completed, is there still contamination or residual contamination present? If yes, are there any institutional controls/land use restrictions in place or long-term monitoring and maintenance requirements?
Yes No N/A Unknown
See interview in Appendix B.
Dec met view in reppendix B.
3. Are there or have there ever been any pipelines, utility lines, railways, or entry/exit ports and associated structures, either buried or overhead, crossing the property? If yes, please describe and indicate the location(s), approximate date when constructed, and the identification of the owner.  Yes No Unknown
See interview in Appendix B.
If yes, are you aware of any spills or releases associated with them? If yes, please describe the spills and/or releases and indicate the date, type and quantities of materials involved.  Yes No Unknown
See interview in Appendix B.
If a spill or release has occurred, are you aware if the release has been mitigated? If yes, please indicate who conducted the mitigation and identify the regulatory agency who oversaw the mitigation. If known, indicate if a no-further action (NFA) determination was been issued by the lead regulatory agency.  Yes No N/A Unknown
See interview in Appendix B.

If remediation is completed, are you aware if there is still contamination or residual contamination present?
If yes, are there any institutional controls/land use restrictions in place or long-term monitoring and maintenance requirements?
Yes No N/A Unknown
105 10 10/A Olikilowii
See interview in Appendix B.
4. Are you aware of any hazardous substance or pollutant or contaminant spill or release, or other potential environmental problems on any adjacent or nearby properties? If yes, please describe (if known) the location(s) of the release, the type, and quantities of materials involved and the approximate dates. If known, also indicate the owner of the property where the release occurred.  Yes No Unknown
See interview in Appendix B.
If there was a release of hazardous substances or petroleum products on any adjacent or nearby properties, are you aware if the release was mitigated?  Yes No N/A Unknown
See interview in Appendix B.
Are you aware if there is contamination present or residual contamination present on adjacent and/or nearby properties that poses a threat or may pose a future threat to the subject real property? If yes, describe the threat or potential threat.  Yes No N/A Unknown
See interview in Appendix B.
Are you aware of any institutional controls/land use restrictions in place or long-term monitoring and maintenance requirements in place on adjacent or nearby properties that affect the subject real property? If yes, please describe and identify the adjacent or nearby property and the property owner.  Yes No N/A Unknown  See interview in Appendix B.
See merview in Appendix D.

Are you aware if the site topography has been altered and/or if there are any unnatural topographic features				
present on the subject real property? If yes, please describe the topographic alterations and/or unnatural features. Indicate their location(s) on the subject real property and if known when the alterations occurred				
and by whom.				
Yes No Unknown				
See interview in Appendix B.				
Has fill material ever been brought onto the property that originated from a contaminated site or that was of				
an unknown origin? If yes, describe the date and quantity of material brought to the subject real property,				
indicate when on the property the material was placed.				
Yes No Unknown				
See interview in Appendix B.				
If fill material came from a contaminated site, identify the contaminated origin site of the material and				
describe the contamination present.				
See interview in Appendix B.				
5. Is there any evidence of waste materials currently or previously being dumped above grade, buried, and/or burned on the property (i.e. hazardous materials, industrial waste, petroleum products, labeled/unlabeled drums or other containers, pesticide containers, household and farm debris, automotive or industrial batteries, building demolition debris, or any other waste materials)?				
Yes No Unknown				
See interview in Appendix B.				
6. Are any aboveground or underground storage tanks being or have been used on the property? If yes, identify where on the property the tanks are/were located, when the tanks were installed, and the types and				
quantities of hazardous materials stored. If the tanks were removed, indicate when the removal took place and whether a closure certification notice was received by the lead regulatory agency.				
Yes No Unknown				
See interview in Appendix B.				

If aboveground or underground storage tanks are or have been used on the property, was there ever a spill or release of hazardous substances associated with the tank system? If yes, indicate the date and nature of
the spill or release.
Yes No Unknown
See interview in Appendix B.
If a spill or release has occurred related to an onsite tank system, was it mitigated to the satisfaction of the lead regulatory agency? If no, describe further actions that must be undertaken to address the spill or release.  Yes No N/A Unknown
7. Other questions as necessary based on the records review:
See interview in Appendix B.
C. Water/Waste Water  1. Does the property currently or has it ever been supplied by an onsite drinking water supply well? If yes, provide the location(s) of the well and date of construction.  Yes No Unknown
Case intermediant in American dire D
See interview in Appendix B.
Have contaminants ever been identified in the onsite drinking water well or the water system that exceeded acceptable levels? If yes, describe the contamination and indicate the dates, contaminant levels, and the source of the contamination, if known.  Yes No N/A Unknown
See interview in Appendix B.
If an onsite drinking water well is no longer used, has it been properly abandoned in accordance with applicable regulatory requirements? If, yes, indicate the date the well was abandoned.  Yes No N/A Unknown
See interview in Appendix B.

2. Does the property currently have or has there ever been an onsite waste water treatment and disposal systems (septic systems, sewage lagoons, etc.)? If yes, please provide a description of the system,
including the location(s), size, date constructed, and which buildings discharge to the system.
Yes No Unknown
See interview in Appendix B.
If the onsite waste water treatment and disposal system is no longer in use, has it been closed? If yes,
describe method of closure and date closed.
Yes No N/A Unknown
10 10 10 0 mile wii
See interview in Appendix B.
3. Have any monitoring wells been installed on the property? If yes, explain the purpose of the wells and provide the location(s), dates of construction, and any analytical results.  Yes No Unknown
See interview in Appendix B.
If the monitoring wells are no longer in use, have they been properly abandoned in accordance with applicable regulatory requirements? If, yes, indicate the date the wells were abandoned.  Yes No N/A Unknown
See interview in Appendix B.
4. Is surface water present on the property (i.e. pits, ponds, lagoons, rivers, creeks, oceans, etc.)? If yes, provide a description of the location(s) and type of surface water present.  Yes No Unknown
See interview in Appendix B.

Yes No N/AUnknown See interview in Appendix B.  5. Other questions as necessary based on the records review:    D. Compliance/Permits	If surface water is present, are you aware of any unnatural characteristics (i.e., color, sheens, odors, sterile, etc.)? If yes, please describe and indicate whether the situation is new or has been present for an extended period of time.
D. Compliance/Permits  1. Are you aware of any environmental liens against the subject real property that have been filed or recorded under Federal, tribal, state, or local law? If yes, describe the lien and indicate the date and effect on the current and future use of the property.  Yes No Unknown  See interview in Appendix B.  2. Are you aware of any activity and land use limitations that are in place on the subject real property or that have been filed or recorded under Federal, tribal, state, or local law? If yes, describe the land use restrictions and identify when they were issued and by whom.  Yes No Unknown  See interview in Appendix B.  3. Are you aware if any environmental site assessment or other environmental investigations of the subject real property or any other property/site records that indicated the presence of hazardous substances, petroleum products, or other potential environmental problems on the property? If yes, describe the report and findings.  Yes No Unknown	Yes No N/AUnknown
1. Are you aware of any environmental liens against the subject real property that have been filed or recorded under Federal, tribal, state, or local law? If yes, describe the lien and indicate the date and effect on the current and future use of the property.  Yes No Unknown  See interview in Appendix B.  2. Are you aware of any activity and land use limitations that are in place on the subject real property or that have been filed or recorded under Federal, tribal, state, or local law? If yes, describe the land use restrictions and identify when they were issued and by whom.  Yes No Unknown  See interview in Appendix B.  3. Are you aware if any environmental site assessment or other environmental investigations of the subject real property or any other property/site records that indicated the presence of hazardous substances, petroleum products, or other potential environmental problems on the property? If yes, describe the report and findings.  Yes No Unknown	5. Other questions as necessary based on the records review:
1. Are you aware of any environmental liens against the subject real property that have been filed or recorded under Federal, tribal, state, or local law? If yes, describe the lien and indicate the date and effect on the current and future use of the property.  Yes No Unknown  See interview in Appendix B.  2. Are you aware of any activity and land use limitations that are in place on the subject real property or that have been filed or recorded under Federal, tribal, state, or local law? If yes, describe the land use restrictions and identify when they were issued and by whom.  Yes No Unknown  See interview in Appendix B.  3. Are you aware if any environmental site assessment or other environmental investigations of the subject real property or any other property/site records that indicated the presence of hazardous substances, petroleum products, or other potential environmental problems on the property? If yes, describe the report and findings.  Yes No Unknown	
recorded under Federal, tribal, state, or local law? If yes, describe the lien and indicate the date and effect on the current and future use of the property.  Yes No Unknown  See interview in Appendix B.  2. Are you aware of any activity and land use limitations that are in place on the subject real property or that have been filed or recorded under Federal, tribal, state, or local law? If yes, describe the land use restrictions and identify when they were issued and by whom.  Yes No Unknown  See interview in Appendix B.  3. Are you aware if any environmental site assessment or other environmental investigations of the subject real property or any other property/site records that indicated the presence of hazardous substances, petroleum products, or other potential environmental problems on the property? If yes, describe the report and findings.  Yes No Unknown	D. Compliance/Permits
2. Are you aware of any activity and land use limitations that are in place on the subject real property or that have been filed or recorded under Federal, tribal, state, or local law? If yes, describe the land use restrictions and identify when they were issued and by whom.  Yes No Unknown  See interview in Appendix B.  3. Are you aware if any environmental site assessment or other environmental investigations of the subject real property or any other property/site records that indicated the presence of hazardous substances, petroleum products, or other potential environmental problems on the property? If yes, describe the report and findings.  Yes No Unknown	recorded under Federal, tribal, state, or local law? If yes, describe the lien and indicate the date and effect on the current and future use of the property.
that have been filed or recorded under Federal, tribal, state, or local law? If yes, describe the land use restrictions and identify when they were issued and by whom.  Yes No Unknown  See interview in Appendix B.  3. Are you aware if any environmental site assessment or other environmental investigations of the subject real property or any other property/site records that indicated the presence of hazardous substances, petroleum products, or other potential environmental problems on the property? If yes, describe the report and findings.  Yes No Unknown	See interview in Appendix B.
3. Are you aware if any environmental site assessment or other environmental investigations of the subject real property or any other property/site records that indicated the presence of hazardous substances, petroleum products, or other potential environmental problems on the property? If yes, describe the report and findings.  Yes No Unknown	that have been filed or recorded under Federal, tribal, state, or local law? If yes, describe the land use restrictions and identify when they were issued and by whom.  Yes No Unknown
real property or any other property/site records that indicated the presence of hazardous substances, petroleum products, or other potential environmental problems on the property? If yes, describe the report and findings.  Yes No Unknown	See interview in Appendix B.
	real property or any other property/site records that indicated the presence of hazardous substances, petroleum products, or other potential environmental problems on the property? If yes, describe the report and findings.  Yes No Unknown

Are you aware if any environmental site assessment or other environmental investigations of the subject real property or any other property/site records that recommended further assessment of the property? If
yes, identify the report and indicate if the further assessment was performed.  Yes No N/A Unknown
See interview in Appendix B.
4. Are you aware of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substances or petroleum products on the subject real property? If yes, describe and identify when and by whom the legal and/or administrative action was initiated.  Yes No Unknown
See interview in Appendix B.
5. Have there ever been spills of hazardous substances or petroleum products that were reported to the National Response Center or a local or state emergency response authority?  Yes No Unknown  Details:
See interview in Appendix B.
6. Other questions as necessary based on the records review:
See interview in Appendix C.
E. Other
<ol> <li>Are you aware of the presence of or has there been any anomalous vegetation (i.e. stressed, dead, etc.) present on the property? If yes, indicate the location(s) and approximate dates.</li> <li>Yes No Unknown</li> </ol>
See interview in Appendix B.

2. If not mentioned above, is there anything else that could indicate the presence of hazardou petroleum products, or other environmental conditions that may impact the subject real property No Unknown	
See interview in Appendix B.	
If the questionnaire is provided to the owner/operator, provide a signature block. Following format:	is a suggested
Name of individual completing Questionnaire:  Casey McKeon	
Signature of individual completing Questionnaire:	
Affiliation with Subject Real Property: Owner/Operator	
(Owner/operator/caretaker/previous owner/neighbor, etc.)	
Time frame affiliated with Subject Real Property:	
Date Signed:	

# Worksheet No. 3 - Visual Inspection of the Property and Adjoining Properties Pre-Acquisition Liability Survey (PALS)

This worksheet is intended to assist with completion of the Site Visit Survey portion of the All Appropriate Inquiries land acquisition screening. The AAI Rule calls for a visual onsite inspection of the subject property and facilities and improvements on the subject property, including a visual inspection of the areas where hazardous substances may be or may have been used, stored, treated, handled, or disposed. The AAI Rule also includes a visual inspection of adjoining properties from the subject property line, public rightsof-way, or other vantage point (e.g., aerial photography), including a visual inspection of areas where hazardous substances may be or may have been stored, treated, handled, or disposed.

In conducting the onsite visual inspection, the staff conducting the visit must maintain a photo log and property/site map that identifies the location(s) photo was/were taken and approximate direction of view.

Name of Person(s) co	nducting the inspection: Chri	stopher Rife
Others present during <u>Name</u> Ashlee Wolf	the inspection:  Title Field Technician	Organization WestLand
Date of inspections: Beginning and end ti Weather during inspe Clear	me of inspection: $\frac{7:00 \text{ am} - 3:}{}$	)0pm
		rty/adjoining property was inspected): neter hike to the Property boundary.
nformation including aeria disturbance present within presence of two mine adits	l photography and U.S. Geological S the Property. Results of this review, a	was not considered reasonable or necessary, WestLand reviewed availa urvey (USGS) topographic maps to estimate the amount, and type of hu is well as observations made during the site reconnaissance, indicate the y. No other human improvements were observed in aerial photographs, Property.
Sio	nature and Title of Inspector	Christopher Rife, Senior Project Manager

# Worksheet No. 3 — Visual Inspection of the Property and Adjoining Properties Pre-Acquisition Liability Survey (PALS)

During the visual inspection of the property and adjoining properties, if the answer to any of the Questions is YES, consult with the Environmental Professional who will determine if the PALS is the appropriate Level of Inquiry to meet the All Appropriate Inquiries Standards as described in 40 CFR part 312.

#### A. Property Use(s)

1. Are there currently structures and improvements present on the property? If yes, provide a physical description of all structures and improvements, including their condition and location(s) on a property/site map.
Yes No _x Photo Log ID Number(s):
2. Is there evidence that there were structures and improvements present on the property in the past? If yes, describe the evidence and provide a physical description of all structures and improvements, including their condition and location(s) on a property/site map.  Yes X No Photo Log ID Number(s): 4,5 Old adits.
3. Is there evidence of agricultural use (livestock, crop raising, agricultural drainage; including surface, and/or subsurface drains)? If yes, describe the operations. Provide a physical description of operations and identify the location(s) on the property/site map.  Yes No _X Photo Log ID Number(s): N/A
4. Is there evidence of oil and gas exploration/development? If yes describe the operations. Provide a physical description of the activities and identify the associated structures and improvements and identify the location(s) on the property/site map.  Yes No _X Photo Log ID Number(s): N/A

If yes, are oil and/or gas drilling pads, holding ponds, or conveyance pipelines and structures present on the property? If yes, describe the operations and improvements and identify the location(s) on the property/si map.			
Yes No N/A	X Photo Log ID Number	ber(s): N/A	
contaminants, or petroleum ar	nd petroleum products relate location(s) of the potential s	of hazardous substances or pollutants, ed to the oil and gas exploration/development? spills and releases on the property/site map.	If
yes, describe the operations.	Provide physical description rovements (waste rock piles to map. log ID Number(s): 2,4,5,7	g, piles, or other extractive mineral activities? n of the activities and list out and identify the s, mill sites, mill tailings, etc.) and identify the undary corners	If
substances (example, fuel stor	rage tanks, cyanide or chem sical description of the evide	dence of the use/storage or release of hazardou nical use at mill sites)? If yes, describe the ence and the location(s) on the property/site may: N/A	
N/A			
adits or acid mine drainage, w	vaste rock, or mill tailings in cription and provide the location.  Photo Log ID Number(s		

If minerals extraction operations are present, are there physical safety hazards present (open adits, vertical shafts, heavy equipment, etc.). If yes, provide a physical description of the hazards and the location(s) on the property/site map.  Yes X No N/A Photo Log ID Number(s) 4, 5  Potential for open adits.
If the areas of mineral extraction activities (mine sites, mill sites, etc) are not accessible for visual and/or physical inspection, describe the reason for the inaccessibility.  Steep cliffs.
6. Describe and note the topographic conditions of the property as well as the general topography of the area surrounding the property that is visually and/or physically observed from the periphery of the property. Identify and locate on a property/site map any key topographic features that may relate to offsite or onsite migration of contaminants.  Photo Log ID Number(s): 8  Very steep cliffs.
Is there evidence of modified topography or unnatural topographic features (i.e., fill dirt brought onto the property, cover for dumps, mounds, fill areas, depressions, etc.)? If yes, provide a physical description and provide the location(s) on the property/site map.  Yes No _X Photo Log ID Number(s):N/A
7. Is there any evidence of waste materials currently or previously being dumped above grade, buried, and/or burned on the property (i.e., dumps, industrial waste, petroleum products, labeled/unlabeled drums or other containers, pesticide containers, household and farm debris, automotive or industrial batteries, building demolition debris, etc.)? If yes, describe the evidence and provide information relating to the waste materials and disposal areas and identify the location(s) on the property/site map.  Yes No _X Photo Log ID Number(s):N/A

8. Are there roads and/or paths present on the property? If yes, provide a description and indicate the
location(s) on a property/site map.
Yes No X Photo Log ID Number(s): N/A
N/A
If roads and/or paths are present, is there evidence of illegal or unauthorized dumping activities occurring? If yes provide a description of the dumping and waste materials. Based on observations, indicate the approximate age of the wastes and the location(s) on a property/site map (Cross reference to Worksheet No
4).
Yes No N/A X Photo Log ID Number(s): N/A
N/A
B. Hazardous Materials & Substances
b. Hazardous Materiais & Substances
1. Is there evidence that current operations on the property involve the processing, handling, management, disposal, storage, manufacture, or transportation of hazardous substances or petroleum products (for example, official and/or unofficial shooting ranges, gasoline station, equipment/vehicle repair, printing facility, dry cleaners, photo developing laboratory, analytical laboratory, junkyard, boneyard, or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility)? If yes, describe the operations a provide information relating to the chemical use and storage and identify the location(s) on a property/site map.  Yes No _X Photo Log ID Number(s): _N/A
If yes, is there evidence that there has been a spill or release of hazardous substances, petroleum products, or other potential environmental problems on the property associated with current operations? If yes, describe the nature and location(s) of the release and the quantities and types of hazardous substances and identify the location(s) on a property/site map. This includes staining of soils and floors in areas used for the use and storage of hazardous materials.  Yes No N/A Photo Log ID Number(s): N/A

2. Is there evidence that previous operations on the property involved the processing, handling, management, disposal, storage, manufacture, or transportation of hazardous substances or petroleum products (for example, official and/or unofficial shooting ranges, gasoline station, equipment/vehicle repaprinting facility, dry cleaners, photo developing laboratory, analytical laboratory, junkyard, boneyard, or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility)? If yes, describe the operations and provide information relating to the chemical use and storage and identify the location(s) of a property/site map.  Yes No _X Photo Log ID Number(s): _N/A		
If yes, is there evidence that there has been a spill or release of hazardous substances, petroleum products, or other potential environmental problems on the property associated with past operations or tenants? If yes, describe the nature and location(s) of the release and the quantities and types of hazardous substances and identify the location(s) on a property/site map. This includes staining of soils and floors in areas used for the use and storage of hazardous materials.  Yes No N/A Photo Log ID Number(s): N/A		
3. Is there evidence that the property is currently or was previously used for any form of illegal activities which may involve the processing, handling, management, disposal, storage, manufacture, or transportation of hazardous substances or petroleum products (for example, illegal drug labs, waste disposal sites)? If yes, describe the activities and provide information relating to the chemical use and storage and identify the location(s) on the property/site map.  Yes No _X Photo Log ID Number(s): _N/A		
4. Is there any evidence of contamination (i.e., hazardous substances or petroleum products) or other materials (soil, rock, etc.) migrating from adjacent and/or nearby properties onto the site? If yes, describe and indicate the location(s) on a property/site map. Also indicate if the migration appears to be current or whether it happened in the past.  Yes No _X Photo Log ID Number(s):N/A		

5. Is there evidence of use, storage, mixing, and/or disposal of industrial drums (typically 55 gallons) or sacks of chemicals, automotive or industrial batteries, pesticides (including herbicides), paints, solvents, or other chemicals in individual containers larger than 5 gallons in volume or 50 gallons in the aggregate at the property? If yes, describe and indicate the location(s) on a property/site map.  Yes No _X Photo Log ID Number(s):N/A		
6. Are there any unidentified substance containers on the property? If yes, indicate their location(s) on a property/site map and bring to the immediate attention of the EP.  Yes No X Photo Log ID Number(s): N/A Photo Log ID Number(s): N/A		
7. Is there evidence of use of chemicals, automotive or industrial batteries, pesticides, herbicides, fungicides, paints, solvents, or other, on-fence lines, right of ways, airstrips, heliports, crop duster operations, etc.? If yes, describe the evidence and indicate location(s) on a property/site map.  Yes No _X Photo Log ID Number(s): _N/A N/A		
8. Is there evidence of oiled roads, oil seeps and slicks, staining on the soil and cracked concrete, asphalt, adjacent to storm-water drains, or other surfaces? If yes, describe and indicate the location(s) on a property/site map.  Yes No _X Photo Log ID Number(s): N/A N/A N/A N/A N/A		
9. Are there currently any aboveground or underground storage tanks on the property or indications of the presence of abandoned aboveground or underground storage tanks, such as any vent pipes, fill pipes, access ways indicating a fill pipe, concrete or asphalt pads or patches, islands, or dispensers on the property or adjacent to any structure on the property? If yes, describe and identify what materials the tanks hold/held and identify where on the property the tanks are located.  Yes No _X Photo Log ID Number(s): N/A N/A N/A		

If aboveground or underground storage are present, is there any evidence of spill or releases? If yes, describe and indicate the location(s) on a property/site map.  Yes No N/A X Photo Log ID Number(s): N/A	
N/A	
10. Is there evidence or any indications that an aboveground or underground storage tank had been installed on the property in the past? For example, the presence of tank pads, vent pipes, fill pipes, access ways indicating a fill pipe, or dispensers on the property or adjacent to any structure on the property? If yes, describe the evidence and identify the location(s) on the property where the tanks were located. If known, indicate when the tanks were removed.  Yes No _X Photo Log ID Number(s): N/A N/A N/A Photo Log ID Number(s): N/A N/A N/A Photo Log ID Number(s): N/A N/A Photo Log ID Number(s): N/A N/A Photo Log ID Number(s): N/A	
If aboveground or underground storage were previously present, is there any evidence of spill or releases? If yes, describe and indicate the location(s) on a property/site map.  Yes No N/A Photo Log ID Number(s): N/A N/A Photo Log ID Number(s): N/A	
11. Are there electric transmission lines, transformers, capacitors, or any hydraulic equipment (i.e., elevators, presses, lifts, doors, etc.) currently present on the property? If yes, describe the equipment. Indicate whether any of the equipment is labeled as either containing PCBs or being PCB-free. Record information from any identification tags and indicate the location(s) on a property/site map. Yes No X Photo Log ID Number(s): N/A	
N/A	
If electrical transmission lines, transformers, capacitors, or hydraulic equipment are present, is there any evidence of leakage or the presence of PCBs? If yes, describe and indicate the location(s) on a property/site map.  Yes No N/A Photo Log ID Number(s): N/A N/A Photo Log ID Number(s): N/A	

12. Is there any evidence electric transmission lines, transformers, capacitors, or any hydraulic equipment (i.e., elevators, presses, lifts, doors, etc.) being present on the property in the past? If yes, describe the evidence and indicate, if known, when and what type of equipment was present. If known, indicate whether any of the equipment contained PCBs and indicate the former location(s) on a property/site map.  Yes No _X Photo Log ID Number(s):NA	
13. Are there identified mercury containing materials (i.e., fluorescent lamps, button batteries, thermostats, thermometers, manometers, and other medical devices, pressure gauges, switches, relays, traps, and medical waste) on the site? If yes, identify the materials. Include the quantity and a descrip of the condition of the equipment and identify the location(s) on a property/site map.  Yes No _X Photo Log ID Number(s):N/A	
14. Is there evidence of any pipelines, utility lines, railways, entry/exit ports, and associated structure either buried or overhead, crossing the property, and is there evidence of any spills or releases associate with them? If yes, describe the structures and indicate the location(s) on a property/site map.  Yes No _X Photo Log ID Number(s): _N/A N/A N/A N/A N/A	
If yes, is there any evidence of any spills or releases associated with them? If yes, provide a description and indicate the location(s) on a property/site map.  Yes No N/A Photo Log ID Number(s): N/A N/A	n

15. Are there structures (i.e., buildings, water towers, lead smelters, etc.) and/or soils surrounding structures on the site which might indicate the presence of lead in dust, old paint (peeling, chipping, chalking, or cracking lead-based paint) and/or which were built prior to 1978 (or of unknown construction dates)? If yes, identify the structures. Include a description of the location(s) (interior or exterior of structures) and identify the location(s) on a property/site map. If paint is present, also indicate whether the paint is peeling and whether there is evidence of paint chips on the ground surrounding the structures. Yes No _X Photo Log ID Number(s): _N/A N/A		
If a structure is suspected to contain lead, is there any indication of what the intended use for the structure is or is it to be demolished? If yes, provide description and evidence and the location(s) on a property/site map.  Yes No N/A Photo Log ID Number(s): N/A		
16. Are there structures on the site containing identified asbestos-containing materials (ACMs) or with suspect ACMs (i.e., fire proofing, acoustical plaster, siding, floor tiles, roofing shingles, mastic, insulation, vermiculate, etc.)? If yes, describe the structure and the ACMs. Indicate the condition of the ACMs and identify the location(s) on a property/site map.  Yes No _X Photo Log ID Number(s):NA		
17. Are there floor drains present in any of the onsite structures and/or areas where hazardous materials are used and/or stored or have been used and/or stored in the past? If yes, provide a description including the current and previous use of the structure (if known) and observed operations and types of hazardous materials. Also indicate the location(s) of the floor drains in the structures on a property/site map and where the floor drain discharges.  Yes No _X Photo Log ID Number(s): N/A N/A		

In the areas with floor drains, is there evidence of any chemical stains present on the walls and/or floors of the onsite areas and structures where hazardous materials are/have been used and/or stored? If yes, indicate which areas/structures have chemical staining and where they are located on a property/site map.  Yes No N/A Photo Log ID Number(s): N/A
18. Are there any floors, drains, ceiling, or walls stained by substances other than water or that are emitting foul and/or unnatural odors (i.e. mold, mildew, other)? If yes, describe the site operations that occur and/or that have occurred in the past and indicate the location(s) on a property/site map.  Yes No _X Photo Log ID Number(s):N/A
19. Is there any evidence of any drains, pools, or sumps that contain liquids likely to be hazardous substances or petroleum products? If yes, describe and indicate the location(s) on a property/site map. If known, indicate what structure or site operations may be associated with the drains, pools, or sumps.  Yes No _X Photo Log ID Number(s):N/A
20. If structures are present on the property, is there indication of how the structures are heated/cooled? If yes, describe the refrigeration/cooling systems and indicate whether they contain Freon and other regulated substances? For the heating systems, identify the heating and fuel source (for example, heating oil, gas, electric, radiators from a steam boiler fueled by gas) and indicate the location(s) on a property/site map.  Yes No _X Photo Log ID Number(s):N/A
C. Water/Waste Water  1. Is surface water present on the property (i.e. pits, ponds, lagoons, rivers, creeks, oceans, etc.)? If yes, provide a description of the type of surface water and its location(s) on a property/site map.  Yes No _X Photo Log ID Number(s): _N/A N/A

If surface water is present (example pits, ponds, lagoons), is there evidence of any unnatural characteristics (i.e., color, sheens, odors, sterile, etc)? If yes, describe and indicate the location(s) on a property/site map. If known, indicate whether it is associated with an activity related to the property and whether it is the situation is new or has been present for an extended period of time.  Yes No N/A Photo Log ID Number(s): N/A		
If surface water is present, is there evidence of hazardous materials dumping in water bodies (e.g. used for agricultural, commercial and/or industrial purposes, marinas, docks, etc.)? If yes, describe and indicate if this is a current/ongoing activity or whether it has happened in the past. Indicate the location(s) on a property/site map.		
Yes No N/A_ $\underline{X}$ Photo Log ID Number(s): $\underline{N/A}$		
If surface water is present, is there any evidence of bank erosion and/or other unusual characteristics in running water bodies (i.e., rivers, streams, drain channels)? If yes, describe and indicate if this is a current/ongoing activity or whether it has happened in the past. Indicate the location(s) on a property/site map.  Yes No N/A Photo Log ID Number(s): N/A		
2. Is there evidence that the property currently or was previously served by an onsite drinking water supply well? If yes, describe the well and its condition and provide the location(s) on a property/site map. If the well is no longer used, indicate whether it has been properly abandoned. If no, indicate whether the property is supplied by an offsite water source.  Yes No X Photo Log ID Number(s): N/A N/A		
If a well is present on the property, is there evidence of any contamination of the water supply or of the nearby soils? If yes, provide a description.  Yes No N/A_X_ Photo Log ID Number(s): N/A		
N/A		

6. Is there evidence that the property discharged waste water to an offsite facility? If yes, provide a description.
Yes No _X Photo Log ID Number(s): N/A N/A
Is there evidence of other wastewater treatment/disposal facilities (example oil water separators, ponds, pits, lagoons) located on the property that have or may have been used for waste disposal? If yes, describe and provide the location(s) on a property/site map and identify the property/site operations that may have discharged to the systems. Yes $\underline{\hspace{0.2cm}}$ No $\underline{\hspace{0.2cm}}$ Photo Log ID Number(s) $\underline{\hspace{0.2cm}}^{N/A}$
7. Is there evidence of any other existent discharges, drains, grates, etc that have not been addressed previously? If yes, describe and indicate the location(s) on a property/site map.  Yes NoX Photo Log ID Number(s): N/A  N/A
D. Other
1. Is there any evidence that any monitoring wells have been installed on the property? If yes, describe and explain the purpose of the wells, if known, and indicate the location(s) on a property/site map.  Yes No _X Photo Log ID Number(s): N/A
If the monitoring wells have been installed and are no longer in use, is there evidence that they been properly abandoned in accordance with applicable regulatory requirements? If, yes, describe and indicate the date the well(s) was abandoned, if known.  Yes No N/A Photo Log ID Number(s): N/A

2. Is there evidence of stressed vegetation on the property (i.e., bare ground, distressed/dead vegetation, unusually healthy vegetation, etc.) that is not associated with insufficient or too much water? If yes, provide a description and indicate the location(s) on a property/site map and any current or past site activities or operations in the area, if known.  Yes No _X Photo Log ID Number(s): _N/A						
N/A	_					
3. Is there a large number or amount of invasive plants present on the property? If yes, please indicate common name if known (e.g., kudzu, phragmites, cheatgrass, etc.), and approximate amount if possible (e.g., approximately half an acre, etc.). Indicate the location(s) on a property/site map.  Yes No_X_Photo Log ID Number(s): N/A  Not a large amount but a mild level of <i>Ipomea spp</i> . throughout the site.						
4. Is there anything else observed that could indicate the presence of hazardous substances, petroleum products, or other potential environmental problems on the property? If yes, provide a description and indicate the location(s) on a property/site map and how it relates to current and/or past activities or operations.  Yes No _x Photo Log ID Number(s): N/A N/A N/A Photo Log ID Number(s): N/A N/A N/A N/A N/A N/A N/A Photo Log ID Number(s): N/A						
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### E. Surrounding Property Use

As can be visually and/or physically observed from the periphery of the property, are there currently structures and improvements present on the surrounding property? If yes, provide a physical description of the observable structures and improvements.  Yes No x Photo Log ID Number(s): N/A  N/A  N/A					
2. As can be visually and/or physically observed from the periphery of the property, is there evidence that there were structures and improvements present on the surrounding property in the past? If yes, describe the evidence.  Yes No _X Photo Log ID Number(s): _N/A  Potential for historical ore exploration or small scale mining activities on surrounding land, but none was observed					
3. As can be visually and/or physically observed from the periphery of the property, is there evidence that current operations on the surrounding property involve the processing, handling, management, disposal, storage, manufacture, or transportation of hazardous substances or petroleum products (for example, shooting ranges, gasoline station, equipment/vehicle repair, printing facility, dry cleaners, photo developing laboratory, analytical laboratory, junkyard, boneyard, landfill, or as a waste treatment, storage, disposal, processing, or recycling facility)? If yes, describe the operations and identify the location(s) on a property/site map.  Yes No _X Photo Log ID Number(s): _N/A N/A					
4. As can be visually and/or physically observed from the periphery of the property, is there evidence that past operations on the surrounding property involved the processing, handling, management, disposal, storage, manufacture, or transportation of hazardous substances or petroleum products (for example, shooting ranges, gasoline station, equipment/vehicle repair, printing facility, dry cleaners, photo developing laboratory, analytical laboratory, junkyard, boneyard, landfill, or as a waste treatment, storage, disposal, processing, or recycling facility)? If yes, describe the evidence and identify the location(s) on a property/site map.  Yes No _X Photo Log ID Number(s): N/A N/A N/A Photo Log ID Number(s): N/A N/A N/A Photo Log ID Number(s): N/A N/A N/A Photo Log ID Number(s): N/A N/A					

5. Is there evidence of any other nearby land uses or activities, especially upstream or upgradient that might have had a waste or dump site? For example, are there upstream or upgradient active or abandoned mine sites which may impact or threaten the subject real property? If yes, describe evidence and the land use or activity. Identify the location(s) on a property/site map.  Yes No _X Photo Log ID Number(s): N/A
6. Is there evidence of any hazardous substance, pollutant/contaminant spill or release, or other potential environmental problems on any adjacent or nearby properties? If yes, describe the evidence and the release and provide the location(s) on a property/site map.  Yes No X Photo Log ID Number(s): N/A N/A
7. As can be visually and/or physically observed from the periphery of the property, is there evidence of any current or past agricultural drainage (surface, and/or subsurface drains, field runoff, etc.) discharging from the adjacent properties onto the property/site? If yes, describe the discharge and indicate the location(s) on a property/site map.  Yes No _X Photo Log ID Number(s): _N/A N/A
8. As can be visually and/or physically observed from the periphery of the property, is there any evidence of contamination (i.e., hazardous substances or petroleum products) or other materials (soil, rock, etc.) migrating from adjacent and/or nearby properties onto the property/site? If yes, describe and indicate the location(s) on a property/site map. Also indicate if the migration appears to be current or whether it happened in the past.  Yes No _X Photo Log ID Number(s): _N/A N/A N/A N/A N/A

9. As can be visually and/or physically observed from the periphery of the property, is there evidence of oil and gas exploration/development on the adjacent and surrounding property? If yes, describe the operations and identify the location(s) on the property/site map.  Yes No X Photo Log ID Number(s): N/A N/A					
If yes, is there any evidence of oil and/or gas drilling pads, holding ponds, or conveyance pipelines and structures present on the adjacent and surrounding property? If yes, describe the operations and improvements and identify the location(s) on the property/site map.  Yes No N/A Photo Log ID Number(s): N/A N/A Photo Log ID Number(s): N/A _					
10. As can be visually and/or physically observed from the periphery of the property, is there evidence of current and/or past spills or releases of hazardous substances or pollutants, contaminants, or petroleum and petroleum products related to the oil and gas exploration/development? If yes, describe and provide the relative location(s) on a property/site map.  Yes No N/A Photo Log ID Number(s): N/A N					
11. As can be visually and/or physically observed from the periphery of the property, is there any evidence of strip mining, hardrock mining, piles, or other extractive mineral activities on the adjacent and surrounding property? If yes, describe the operations and identify any associated structures and improvements (waste rock piles, mill sites, mill tailings, etc.) and identify the location(s) on the property/site map.  Yes No _X Photo Log ID Number(s):N/A					

12. As can be visually and/or physically observed from the periphery of the property, is there evidence of the use/storage or release of hazardous substances (for example, fuel storage tanks, cyanide or chemical use at mill sites) associated with the minerals extraction operations on the adjacent and surrounding property? If yes, provide a description of the evidence and provide the location(s) on a property/site map. Yes No _X N/A Photo Log ID Number(s): N/A					
N/A					
13. As can be visually and/or physically observed from the periphery of the property, describe and note the topographic conditions of the surrounding property as well as the general topography of the area. Identify and locate on a property/site map any key surrounding topographic features that may relate to offsite or onsite migration of contaminants.  Photo Log ID Number(s): 8					
Steep cliffs.					
As can be visually and/or physically observed from the periphery of the property, is there evidence of modified topography or unnatural topographic features on the surrounding property that may indicate (i.e., fill dirt brought onto the property, cover for dumps, mounds, fill areas, depressions, etc.)? If yes, provide a physical description and provide the location(s) on the property/site map.  Yes No _X Photo Log ID Number(s): N/A N/A N/A N/A					
14. As can be visually and/or physically observed from the periphery of the property, is there evidence of stressed vegetation on the surrounding property (i.e., bare ground, distressed/dead vegetation, unusually healthy vegetation, etc.) that is not associated with insufficient or too much water? If yes, provide a description and indicate the location(s) on a property/site map and any current or past site activities or operations in the area, if known.  Yes No _X Photo Log ID Number(s): _N/A N/A					

15. As can be visually and/or physically observed from the periphery of the property, is there a large number or amount of invasive plants present on the surrounding property? If yes, indicate common name, if known (e.g., kudzu, phragmites, cheatgrass, etc.), and approximate amount if possible (e.g., approximately half an acre, etc.).  Yes No X Photo Log ID Number(s): N/A N/A
16. Is there anything else observed that could indicate the presence of hazardous substances, petroleum products, or other potential environmental problems on the surrounding properties? If yes, provide a description and indicate the location(s) on a property/site map and how it now may threaten the property/site.  Yes No X Photo Log ID Number(s): N/A
N/A

## Worksheet No. 4 – Solid Waste, Physical Hazards, and Non-Scope Issues

Pre-Acquisition Liability Survey (PALS)

Solid Waste, Physical Hazards, and Non-Scope Issues identified during the inquiry will be described below, identified on the site map, and photographs taken and provided as an attachment. If none, so state.

<b>Solid Waste:</b> such as household garbage, tires, appliances, dead animals, abandoned automobiles, and similar items.					
None.					
		•			
primitive r			l impacts such as mine shafts, high walls, unsafe bridges, ential exists for injury to visitors on the lands after		
Mine adits p	present, difficult hiking.				
health and			materials, radon, lead-based paint, drinking water systems, ese kinds of items are found on the property, a higher level		
None.					
Name: Sa	mantha Blonder	Title:	Environmental Specialist		
Signature:	Samantha Blonder	Date:	3/25/2025		

APPENDIX M Public Records Request From: noreply@salesforce.com <noreply@salesforce.com> On Behalf Of Jacob Avila

Sent: Friday, February 28, 2025 2:46 PM

To: Diana Sandoval <dsandoval@westlandresources.com>

**Subject:** Public Records Request Documents [thread::tCOPXSwWIViZKoQgdqqZxhA::]

Hello Diana Sandoval,

Your PRR number: PRR-423000626.

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

Thank you,

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



thread::tCOPXSwWIViZKoQgdqqZxhA::

APPENDIX N Resumes

## MARK TAYLOR

#### PRINCIPAL ENGINEER

#### **SUMMARY**

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

#### **EXPERIENCE**

40+ YEARS

#### **EDUCATION**

#### **MBA**

University of Arizona

#### BS, Civil Engineering

University of Arizona

#### REGISTRATION

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

### PROFESSIONAL MEMBERSHIPS

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

#### SELECT PROJECT EXPERIENCE

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

#### City of Coolidge Water Resources Master Plan

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

#### SELECT PROJECT EXPERIENCE

#### Harquahala Valley Water Project Engineering Feasibility Study

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

#### Confidential Mining Client, Water Resource Planning

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

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

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

#### Cottonwood Properties, Dove Mountain Reclaimed Water Master Plan

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

#### Willow Springs Utilities, LLC, Willow Springs Water Master Plan

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

# **CHRIS** RIFE

#### SENIOR PROJECT MANAGER

#### **SUMMARY**

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

#### **EXPERIENCE**

20+ YEARS

#### **EDUCATION**

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

**B.A., Philosophy** Humboldt State University

Additional Coursework in Hazardous Materials Management and Wetlands Science

# **SELECT PROJECT EXPERIENCE**

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

Cyprus Specialty Minerals, Former Satralloy Site; Steubenville, Ohio Senior Project Manager. Mr. Rife is the environmental permitting manager for a team remediating an abandoned chromium smelter site in eastern Ohio. Mr. Rife has performed this role since 2005 when the client was notified of their



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

Arizona Minerals, Inc., Drilling Plan of Operations Support; Santa Cruz County, Arizona Task Manager. Mr. Rife prepared a Plan of Operations for mining exploration program on National Forest System lands.

Arizona Minerals, Inc., STA 3rd Party Contractor; Santa Cruz County, Arizona Project Manager. Mr. Rife managed evaluation of parcels on National Forest System lands to be acquired by private client under the federal Small Tracts Act.

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

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

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

BHP-Billiton Legacy Assets, Copper Cities Plans of Operations; Miami, Arizona
Project Manager. Mr. Rife managed preparation of Plans of Operations describing proposed
geotechnical investigation and reclamation of a closed copper mine situated partially on National
Forest System lands and Bureau of Land Management- administered lands.

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



# Cyprus Specialty Minerals, Bruce Mine Site; Bagdad, Arizona

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

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

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

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

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

Freeport-McMoRan Corporation, Ecosystem Function Analysis Pilot Study and Monitoring/Reporting Project Manager. Mr. Rife conducted ecosystem function analysis pilot study at reclaimed smelter and tailings disposal facility site.

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

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

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

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

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

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



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

# Freeport-McMoRan Morenci, Inc., Environmental Support; Morenci, Arizona

Project Manager. Mr. Rife has conducted numerous projects for this legacy copper mine in eastern Arizona. He is currently responsible for supporting the client in implementing a range of assignments specified in a Management Plan prepared to protect endangered fish species that may occur in a stream on the client's property. The client may fund construction of a fish barrier to prevent predatory non-native fish and other aquatic species (crayfish) from invading the native fish refugia in the upper reaches of Eagle Creek. Mr. Rife supported a geotechnical investigation of the proposed fish barrier site, including securing authorization from the U.S. Army Corps of Engineers under Clean Water Act Section 404 Nationwide Permit 6, Survey Activities. A jurisdictional delineation, biological evaluation, and cultural resources survey of the proposed fish barrier site were completed. Consultation with the U.S. Fish & Wildlife Service and the Corps under Section 6 of the Endangered Species Act was required. Mr. Rife is also responsible for other tasks including native fish monitoring, an exotic species control study, permitting support for constructing the fish barrier, and technical review of the fish barrier design and a Safe Harbor Agreement and/or Candidate Conservation Agreement with Assurances. Mr. Rife is also managing a mitigation monitoring project for this client. Three habitat restoration sites were established along lower Chase Creek and the San Francisco River to offset impacts to Waters of the United States from fill placed in upper Chase Creek for a mine expansion project, authorized by the Corps under two separate Clean Water Act Section 404 Individual Permits. The permits specify certain vegetation establishment goals along degraded segments of these streams; WestLand prepared and implemented a planting and irrigation plan. WestLand biologists currently monitor the sites on a quarterly and annual basis, and report observations and recommendations to the client and Corps.

Freeport-McMoRan Safford, Inc., Dos Pobres/San Juan Mine Mitigation Sites; Safford, Arizona Project Manager. Mr. Rife is responsible for managing a mitigation monitoring project for this client. Three habitat restoration sites were established along the Gila River to offset fill placed in waters of the United States for a mine expansion project, authorized under a Clean Water Act Section 404 Individual Permit. The permit specifies certain vegetation establishment goals along degraded segments of the river; WestLand prepared a planting and irrigation plan implemented by others on the project team. WestLand biologists currently monitor the restoration sites on a quarterly and annual basis, and report observations and recommendations to the client and Corps.

#### Gallagher & Kennedy, P.A., United Verde Mine; Jerome, Arizona

Project Manager. Mr. Rife managed a Clean Water Act permitting project for site remediation activities required under a Consent Decree for this closed mine property in central Arizona. Technical work included a biological evaluation, archaeological study and data recovery, and a jurisdictional



delineation. Mr. Rife completed a Clean Water Act Section 404 Nationwide Permit 38, Cleanup of Hazardous and Toxic Wastes preconstruction notification and secured authorization from the U.S. Army Corps of Engineers for the remediation project on behalf of the client. He coordinated agency and client communications, including National Historic Preservation Act Section 106 consultation regarding potential project impacts to the Jerome National Historic District.

Gallagher & Kennedy, P.A., United Verde – Verde Central Environmental Support; Jerome, Arizona Project Manager. Mr. Rife provided environmental permitting strategy support for voluntary cleanup considered for a small, abandoned copper mine.

# Golden Vertex Corp., Moss Mine Plans of Operations; Bullhead City, Arizona

Project Manager. Mr. Rife managed environmental resource studies to support Plans of Operations for exploration and mining of a proposed expansion of a small gold and silver mine, and is currently managing biological and cultural resources surveys required by the Bureau of Land Management.

#### IMERYS, Santa Rita Limestone Quarry; Sahuarita, Arizona

Project Manager. Mr. Rife supported this client in an exploration drilling program on public lands. The existing quarry occupies both U.S. Forest Service and Bureau of Land Management administrated property. Mr. Rife prepared separate Plans of Operations for the agencies to evaluate the different exploration programs on the two portions of the site. The Bureau of Land Management has approved the Plan for the program on their property, while the Forest Service is currently completing a National Environmental Policy Act evaluation of the Plan for the program on National Forest System lands. Depending upon the outcome of the exploration programs, the client may consider expanding the existing facility within either or both agencies' lands. A new Plan of Operations for the expanded facility would be required for either scenario.

#### Kennecott Exploration Company, Inc., Stockton/Ophir Due Diligence; Utah

Project Manager. Mr. Rife conducted a risk evaluation of mining district for site development by copper mine exploration firm.

# Kirkland Mine, BLM MPO and NEPA Support; Kirkland, Arizona

Senior Technical Reviewer. Mr. Rife provided senior technical review of Plan of Operations and Environmental Assessment for a proposed small pozzolan mine.

# Redhawk Resources, Copper Creek Permit Evaluation and Environmental Services; Mammoth, Arizona

Task Manager. Mr. Rife provided technical support for permit evaluation of proposed copper mine at a historical mining site.

#### Resolution Copper, Resolution Mine Site; Superior, Arizona

Task Manager. Mr. Rife has participated in numerous projects at this proposed new underground copper mine in southern Arizona. He completed a comprehensive comparison of the biological and cultural resources of the proposed tailings disposal facility site to another large site that the client is contemplating to acquire and use as a mitigation parcel. He also updated a series of studies on seeps and springs at the proposed mine site and vicinity to standardize the description terminology and nomenclature for the resources. Most recently, Mr. Rife conducted Environmental Site Assessments



and Ecological Overview studies for a set of private properties for a land exchange for targeted public lands. He visited the sites to assess potential for environmental liabilities, compiled environmental setting information to combine with biological data from technical specialists, and authored reports. The land exchange was recently approved, and Mr. Rife provided technical review of updates to the original reports. Historically, Mr. Rife also prepared a comprehensive permitting schedule to assist in planning the new mine and assisted in updating Environmental Management System for the site, using corporate guidelines.

# Rosemont Copper Company, Rosemont Project; Santa Cruz County, Arizona

Project Manager. Mr. Rife conducted a range of assignments to support finalizing the General Plan of Operations and other environmental resource studies for this proposed new mine in southern Arizona. He has reviewed numerous Monitoring Plans, prepared by various members of the project team, to ensure that specified protocols will meet various obligations identified in the U.S. Forest Service's Final Environmental Impact Statement for the project. He also prepared the Biological Monitoring Plan for the same purpose; this plan details the procedures and schedule for biological resource monitoring requirements that the client must pursuant to the Forest Service's Mitigation Measures and the U.S. Fish and Wildlife Service's Biological Opinion. Mr. Rife also managed a database development assignment to convert an extensive set of Excel spreadsheets from the client's vegetation and water quality monitoring programs to relational databases, and in the future will use "tablet" computers for field data collection and reporting. Mr. Rife also managed a GIS assignment; WestLand's graphics group prepared a custom "Geoportal" that links all spatial data and reports to a secure online website to allow the project team access to digital copies of relevant data based on site mapping.

#### Confidential Client, Agricultural Property Phase I ESA for Solar Array

Mr. Rife conducted a Phase I Environmental Site Assessment of 1,622 acres of agricultural land proposed for development as a solar farm. The assessment identified a range of recognized environmental conditions associated with agricultural chemical use, petroleum product releases, and unregulated waste disposal.

#### Industrial Site Expansion; Cochise County, Arizona

Project Manager. Mr. Rife was responsible for preparing an Environmental and Social Impact Assessment for a substantive expansion of an industrial site in southeastern Arizona. The document allowed project reviewers— corporate decision-makers and financiers—to understand the potential impacts to environmental and social resources that may result from the project. The assessment was modeled after a National Environmental Policy Act Environmental Assessment, but was for internal use only. It relied upon existing environmental permitting and planning documents, supplemented by WestLand's research and site specific studies of resources not previously addressed, such as traffic and visual impacts. Mr. Rife was responsible for scoping the assessment, conducting the existing report review, researching additional information, and writing the report.



# Hazardous Waste Sites; Confidential Client, United States

Task Manager. Mr. Rife was the principal internal reviewer of Phase I Environmental Site Assessment reports for 60 hazardous waste collection sites, transfer facilities, incinerators, and landfills on behalf of client bidding to purchase portfolio. The work included fast-track mobilization of field investigators from offices across the country; coordination of document review, reporting, and responding to client inquires; and strict confidentiality protocols. (Services provided at previous firm.)

## Resolution Copper Mine Site; Superior, Arizona

Task Manager. Mr. Rife conducted Environmental Site Assessments and Ecological Overview studies for a set of private properties contemplated for purchase by the client in anticipation of a land exchange for targeted public lands. He visited the remote, rural sites to assess potential for environmental liabilities, compiled environmental setting information to combine with biological data from technical specialists, and authored reports. The land exchange was recently approved, and Mr. Rife provided technical review of updates to the original reports.

#### Vigneto Development; Benson, Arizona

Senior Technical Reviewer. Mr. Rife participated in site visits and provided senior technical review of a Phase I Environmental Site Assessment of 12,500 acres proposed for residential development in southern Arizona. The property is largely undeveloped, although portions are used for cattle ranching and it is crossed by electrical transmission lines and a buried natural gas pipeline, a highway, and an abandoned railroad line. No recognized environmental conditions were identified during the assessment.

#### Miami Mine; Miami, Arizona

Project Manager. Mr. Rife has completed several projects at this legacy copper mine in southern Arizona. He recently managed Phase I Environmental Site Assessments for two properties owned by the client and intended for divestment. One of the properties had been used by the Arizona National Guard as an armory administrative center, whereas the other was a company recreation site, including a drive-in movie theater. No recognized environmental conditions were identified at either property.



# **SAMANTHA** BLONDER

#### PROJECT MANAGER

#### **SUMMARY**

Samantha Blonder is a Senior Environmental Specialist with 6 years of experience gained through supporting environmental permitting projects at WestLand and while serving as a Research Assistant on projects for the Coastal Watershed Institute in Fort Myers, Florida, as an Argo Research Scientist for Heliae in Phoenix, Arizona, and as a Research Assistant-Team Lead while employed at Arizona State University. In 2016, Ms. Blonder served as a volunteer for Lead Adventures South America Galapagos Islands where she assisted in invasive species removal, cultural and environmental education outreach, and sustainable farming. In her role as an Environmental Specialist at WestLand, Ms. Blonder supports the environmental team working a wide variety of water focused projects with special expertise in: ESA, NEPA, CWA, Conservation Plans, Field Work, Data Collection and Data Entry, and Water Quality Collection and Analysis.

#### **EXPERIENCE**

6 YEARS

#### **EDUCATION**

M.S., Environmental Science Florida Gulf Coast University

**B.S., Biology** University of South Florida

# **REGISTRATIONS | CERTIFICATES**

MSHA Certification

#### **SELECT PROJECT EXPERIENCE**

# Navajo Tribal Utility Authority (NTUA), Environmental Evaluations

Environmental Specialist. WestLand conducted environmental evaluations of 21 water line projects that were funded by the CARES Act Coronavirus Relief Fund in October 2020. The projects were located in 17 Chapters across the Navajo Nation in Arizona and New Mexico. WestLand coordinated with NTUA and Navajo Nation Department of Fish and Wildlife (NNDFW) to obtain biological clearances for each project. Species data requests were submitted to NNDFW, including project location maps, ground photographs obtained in the field, and National Wetland Inventory mapping. Species data received were analyzed for the potential occurrence of species of concern on the Navajo Endangered Species List. Results were summarized for each project site in table format and provided to NNDFW to obtain biological clearances.

# Freeport-McMoRan Inc, Eagle Creek Project Environmental Assessment

Environmental Specialist. WestLand was contracted by Freeport-McMoran to prepare an Environmental Assessment (EA) for the Eagle Creek Project. The Eagle Creek project proposes to develop range improvements along eagle creek including a well, pipeline infrastructure and fencing. This project includes public scoping, an administrative draft of the EA, a draft EA for public comment, and a final EA.

#### Resolution Copper, EOCTRI Emory Oak Monitoring

Project Manager. WestLand was contracted to conduct data collection to support the goal of the Emory Oak Collaborative Tribal Restoration Initiative (EOCTRI) which is to restore and protect Emory oak groves (Quercus emoryi) and to ensure the sustainability of subsistence foods for Arizona tribes. This project includes field work, community outreach and data dissemination.



# HVWP Management LLC, Harquahala Valley Water Project Environmental Assessment

Environmental Specialist. WestLand was contracted by HVWP Management LLC to prepare an Environmental Assessment (EA) for the Harquahala Valley Water Project. The HVWP proposes to develop infrastructure required to pump groundwater from the Harquahala Irrigation Non-Expansion Area and to convey the pumped groundwater to the Central Arizona Project (CAP Canal). This project includes public scoping, an administrative draft of the EA, a draft EA for public comment, and a final EA.

# Town of Oro Valley Water Utility, Northwest Recharge, Recovery and Delivery System (NWRRDS) Design

Environmental Specialist. The WestLand and Carollo Engineering team was hired by the Town of Oro Valley for the design of the NWRRDS project. The team is providing design services for approximately 6-miles of transmission pipeline. Additionally, the team is designing the distribution main connections downstream of the proposed booster at Shannon into existing Oro Valley Water Utility distribution mains at Naranja and Tangerine Road.

### Resolution Copper, LEX Phase I ESA Updates

Environmental Specialist. WestLand was contracted to conduct Phase I Environmental Site Assessments (ESAs) for a set of properties considered in the Resolution Project Land Exchange between Resolution Copper and two federal land management agencies. Work on this project includes: environmental agency records review, interviews with persons familiar with the sites, site reconnaissance, and report preparation.



# **DIANA** SANDOVAL

#### SENIOR PROJECT MANAGER

#### **SUMMARY**

Diana Sandoval has 17 years of regulatory compliance and permitting services related to land use and transportation planning, distribution/ transmission power planning, renewable energy projects, mining expansions, and residential and commercial development. She offers clients coordinated and collaborative project leadership required to address multiple stakeholders. She has experience with both small- and large-scale projects involving federal, state and local requirements. Her expertise is in Phase I Environmental Site Assessments, Clean Water Act Permitting, Endangered Species Act compliance, National Environmental Policy Act documentation, Arizona State Land Department authorization and local riparian and zoning processes.

#### **EXPERIENCE**

17 YEARS

# **EDUCATION**

M.A., Land Use and Community Planning

Northern Arizona University

**BSc, Regional Development** University of Arizona

Phase I and Phase II Environmental Site Assessments for Commercial Real Estate Workshop

National Environmental Policy Act Compliance Workshop

#### **REGISTRATIONS | CERTIFICATES**

Mine Safety and Health Administration Certification

90-Hour Real Estate Pre-Licensing

Property Legal Description

#### SELECT PROJECT EXPERIENCE

# Three Sisters Solar Project, BrightNight, Pima County, Arizona

WestLand prepared a CEC application per the requirements of Arizona Revised Statutes (A.R.S.) § 40-360.03 including environmental and cultural resources studies discussing areas of biological wealth, visual resources, scenic areas recreational facilities, relevant plans of the state and local government, and any private entities' and how the project comports with those plans, provided narrative on anticipated noise emission levels and interference with communication signals, and focused on potential impacts and mitigation measures for avian species since the project is situated next to the Willcox Playa, a migratory bird hotspot known for its rich natural history and ecotourism. WestLand conducted and summarized public outreach efforts completed under Task 1.3, and other public engagement. WestLand planned and facilitated a robust public outreach effort in connection with the CEC application to identify the stakeholders for the public participation process, including agencies, local government officials, neighborhood associations, special interest groups, businesses, landowners, and residents in the area with the potential to be affected by the proposed Project. Several different public outreach efforts were conducted and facilitated by both WestLand and BrightNight including internet website (including online comment form and interactive project map), stakeholder group outreach, community and agency briefings, newsletters, public open house, and telephone information line. WestLand then supported BrightNight and their attorney in preparing for and participating in the ACC Line Siting Committee public hearing for the project including power points and expert testimony at the hearing, which was approved by the committee in a unanimous vote.

# Pinal Central Substation to Tortolita Substation Transmission Line Project, Tucson Electric Power, Pinal County, Arizona

Project Manager. Managed environmental regulatory compliance for TEP transmission line project, which runs approximately 41 linear miles in Pinal County. Assisted TEP in addressing NEPA, National Historic Preservation Act,



CWA, Endangered Species Act (ESA), migratory bird protection, Arizona Pollutant Discharge Elimination System, State Native Plant Preservation and more. Coordinated with various federal entities and land management agencies to obtain all agreements, required permits and compliance documentation; the transmission line will cross privately-owned lands, lands owned by the State of Arizona and managed by the Arizona State Land Department, federally owned lands managed by the Bureau of Reclamation and the San Carlos Irrigation Project, an agency of the Bureau of Indian Affairs. Ms. Sandoval obtained an Approved JD from the Corps regarding the absence of jurisdictional waters for the project, documented that project was not likely to not adversely impact federally protected species, coordinated with AZGFD to conduct surveys for candidate species in anticipation of potential federal listing, addressed plant salvage considerations for protected native species including vegetation clearing projections, and addressed state and federal archaeological clearance requirements. Presented methods and results at the Society for Ecological Restoration November 2014 annual conference for a project study that used remote sensing and predicted growth rates to assess saguaro conflict with the transmission lines over the next 20 years.

# University of Arizona, Environmental Compliance for the University of Arizona Science and Technology Park (UA Tech Park)

Project Manager. Provides on-call services for UA Tech Park addressing federal, state and local development project environmental clearances and risk reduction. Ms. Sandoval has documented compliance with CWA Section 404 under preliminary JD; obtained concurrence from the Corps of nojurisdictional waters for the UA Tech Park property; oversaw cultural resource survey and data recovery in accordance with current archaeological standards in a manner that would conform to National Historic Preservation Act (NHPA) standards; completed BEs, including surveys for listed plant species and surveys for the western burrowing owl; and prepared Phase I ESAs for prospective tenants within the Solar Zone. Ms. Sandoval has also assisted with development of formal environmental planning protocols and guidance for the UA Tech Park Master Plan. She has provided environmental documentation to support demonstration of NEPA project readiness for Department of Transportation grant applications.

#### Consulting Project Manager for TEP Land Resource Team

Since 2017, Ms. Sandoval has worked as a part-time land contractor with Unisource Energy Corporation (UNS)/TEP providing direct environmental consultation services as a Land Resource Department team member for power projects in Arizona. She collaborates directly with TEP's engineers, designers, project managers, and construction teams. She manages environmental and land use requirements for system reinforcement projects including new substations, distribution and transmission lines; new business connections; public improvement projects; and renewables. This includes reviews and permitting associated with various surface management agencies, municipal approvals, and other regulators and landowners, as the utility's agent.

#### AeroPark Substation and Distribution Lines

Ms. Sandoval was responsible for managing environmental approvals associated with a new substation located on land owned by the City of Tucson and the Tucson Airport Authority (TAA) also leased by Raytheon who would need additional power load in the area. Ms. Sandoval supported the Right of Way Agent with land right acquisition, commissioned cultural and biological surveys, obtained clearance the through Federal Aviation Administration (FAA) obstruction evaluations for



new structures and the use of cranes during construction. The project also involved construction of a communication tower that required antenna structure registration (ASR) with the Federal Communication Commission (FCC). A National Environmental Policy Act (NEPA) environmental assessment checklist was prepared, and public notice provided. Ms. Sandoval also ensured conformance with FCC requirements for National Historic Preservation Act - Section 106 Consultation compliance pursuant to FCC regulations.

# FRV-Avra Valley Solar in Pima County

Ms. Sandoval conducted a comprehensive permitting analysis and provided local, state and federal entitlement/permitting support for a 305-acre photovoltaic solar power generation facility located on fallow farmland northwest of Tucson. Local permitting support for the Conditional Use Permit and site development plan included cultural surveys, noise studies, biological surveys and coordination with US Fish and Wildlife Service and Arizona Game and Fish Department. WestLand prepared a Biological Impact Report to address Pima County's Conservation Land System requirements and prepared a subsequent Habitat and Vegetation Restoration Plan in cooperation with local conservation groups as a condition to the Conditional Use Permit. WestLand also assisted with implementation and monitoring as the project was constructed and designed and developed a special western burrowing owl habitat area in coordination with Arizona Game and Fish Department.



# **ASHLEE** WOLF

#### FIELD BOTANIST

#### **SUMMARY**

Ashlee is a dedicated ecologist and plant conservation specialist with extensive experience in native plant materials development, habitat restoration, and ecological project management. Passionate about advancing ecosystem restoration through strategic planning, stakeholder collaboration, and field-based research. Skilled in developing and implementing seed collection, cleaning, and storage strategies, as well as leading habitat restoration projects to support endangered species, pollinators, and post-fire recovery efforts. Ashlee has recently joined the WestLand team.

#### **EXPERIENCE**

13 YEARS

#### **EDUCATION**

MS, Environmental Science & Policy

Northern Arizona University

BS, Biology

Northern Arizona University

# SELECT PROJECT EXPERIENCE

# National Park Service, Tucson, AZ

- •Collaborated with internal and external stakeholders to plan and implement native plant materials development for the purposes of achieving broad ecosystem restoration.
- •Carried out program management and develops work plans and schedules for multiple field crews. Tracks project funds and prepares accomplishment reports.
- •Used botanical knowledge to develop seed collection, cleaning, and storage action plans and strategies.

#### Institute for Applied Ecology, Santa Fe, NM & Patagonia, AZ

- •Responsible for developing, managing, and implementing projects in Arizona and New Mexico. This included proposal preparation, coordination and supervision of technicians, writing, and data collection, analysis, and interpretation. Projects encompassed habitat restoration, education and outreach, field surveys for various plant taxa, and native plant materials research.
- •Planned and implemented habitat restoration using native plant materials for endangered wildlife species, pollinator support, and post-fire and fuels treatment recovery in a diversity of vegetation communities.
- •Led development of resources for Endangered Species Act Section 7 consultations for threatened and endangered plants in New Mexico.
- •Served as Interim Assistant Branch Director (November 2022-April 2023).