## PHASE I ENVIRONMENTAL SITE ASSESSMENT NON-FEDERAL PARCEL, LOWER SAN PEDRO RIVER PINAL COUNTY, ARIZONA

Resolution Copper

Prepared for:

# RESOLUTION

Attn: Ms. Casey McKeon 102 Magma Heights Superior Arizona 85173-2523

Project Number: 807.134 (previously 807.124)

Date: November 2017







## **TABLE OF CONTENTS**

EX	XECUTIVE SUMMARY	1				
1.	INTRODUCTION	1				
	1.1. Purpose	1				
	1.2. Scope of Services	1				
	1.3. Limitations and Exceptions	2				
	1.4. Special Terms and Conditions	3				
	1.5. User Reliance					
	1.6. Continued Viability					
2.	SITE DESCRIPTION	4				
	2.1. Location and Legal Description					
	2.2. Site and Vicinity General Characteristics					
	2.3. Current Use of the Property					
	2.4. Description of Structures, Roads, and Other Improvements on the Site					
	2.5. Current Uses of Adjoining Properties	5				
3.	USER-PROVIDED INFORMATION	6				
	3.1. Title Records					
	3.2. Environmental Liens or Activity and Use Limitations	6				
	3.3. Specialized Knowledge					
	3.4. Commonly Known or Reasonably Ascertainable Information6					
	3.5. Valuation Reduction for Environmental Issues					
	3.6. Reason for Performing Phase I					
	3.7. Other					
4.	RECORDS REVIEW					
	4.1. Environmental Record Sources					
	4.2. Prior Environmental Reports					
	4.3. Physical Setting					
	4.3.1. Topography					
	4.3.2. Soils					
	4.3.3. Geology					
	4.3.4. Hydrology					
	4.3.5. Hydrogeology					
	4.4. Historical Use Information on the Property and Adjoining Properties					
	4.4.1. Historical Topographic Maps	16				
	4.4.2. Historical Aerial Photographs					
	4.4.3. Property Tax Files					
	4.4.4. Local Street Directories					
	4.4.5. Sanborn Fire Insurance Maps					
_	4.4.6. Other Historical Sources					
5.	SITE RECONNAISSANCE					
	5.1. Methodology and Limiting Conditions					
	5.2. Indications of Past Uses of the Property					
	5.3. Exterior Observations	24				

		5.3.1.	Hazardous Substances and Petroleum Product Containers in Connection with Identified Uses	2/
		5.3.2.	Hazardous Substance and Petroleum Product Containers Not in Connection wi	
		J.J.L.	Identified Uses	
		5.3.3.	Storage Tanks (Aboveground and Underground)	
		5.3.4.	Unidentified Substance Containers	
		5.3.5.	Drums	24
		5.3.6.	Odors	25
		5.3.7.	Pools of Liquid, Pits, Ponds, or Lagoons	25
		5.3.8.	Wastewater	25
		5.3.9.	Septic Systems	25
			Wells	
			Stained Soil or Pavement	
			Stressed Vegetation	
			Solid Waste Disposal	
			PCB Equipment	
			r Observations	
6.	INT	ERVIE	WS	27
			ews with Owner	
			ews with Manager/Occupants	
			ews with Local Government Officials	
			ews with Others	
7.	FINI	DINGS	S AND OPINIONS	30
8.	CON	ICLUS:	ION	37
9.	DEV	/IATIC	NS	39
10.	ADI	OITIO	NAL SERVICES	40
11.	OU/	ALIFIC	ATIONS AND SIGNATURE OF ENVIRONMENTAL PROFESSIONALS .	41
	•		CES	
12.	KLI		QL0	72
			TABLES	
Tab	le 1.	Deta	iled Environmental Records Evaluation	9
			FIGURES	
			(follow text)	

Figure 1. Vicinity Map Figure 2. Aerial Overview

Figure 3. Site Reconnaissance Map

## **APPENDICES**

Appendix A. Site Photographs

Appendix B. User Questionnaire & Operator Questionnaire:

- Ms. Casey McKeon, Resolution Copper, User Questionnaire
- Ms. Celeste Andresen, Land Manager, The Nature Conservancy, Operator Questionnaire
- Appendix C. Title and Encumbrances Documents
- Appendix D. EDR RecCheck Area Report Results
- Appendix E. Historical Topographic Maps
  - 1911 Topographic Map
  - 1948 Topographic Map
  - 1972 Topographic Map
  - 2014 Topographic Map
- Appendix F. Historical Aerial Photographs
  - 1945 Aerial Photograph (2)
  - 1956 Aerial Photograph (2)
  - 1977 Aerial Photograph
  - 1983 Aerial Photograph
  - 1996 Aerial Photograph (2)
  - 2003 Aerial Photograph (2)
- Appendix G. Pinal County Assessor's Record Maps and Property Detail Records
- Appendix H. Résumés

#### **EXECUTIVE SUMMARY**

WestLand Resources, Inc. (WestLand) was contracted by Resolution Copper Mining LLC (the "User") to perform a Phase I Environmental Site Assessment (ESA) for approximately 3,500 acres referred to as Lower San Pedro River parcel in Pinal County, Arizona ("the Property"; **Figure 1**). The Property is located near the town of Mammoth. An aerial photo showing the boundary of the Property is included as **Figure 2**. Photographs depicting the site and vicinity are provided in **Appendix A**. **Figure 3** is a map showing the location of certain GPS referenced ground photographs shown in **Appendix A**.

The Pinal County Assessor Parcel Numbers (APNs) for the Property are:

Assessor Parcel Numbers				
307-050-020	306-07-0060	306-07-0050		
307-05-0060	307-05-0050	307-05-0040		
306-25-0060	306-07-0080	306-25-0010		
306-33-0100	306-07-004A	306-07-0050		
306-33-0090,	306-07-002C	306-09-0030,		
306-09-0030	306-03-0020	306-14-001A		
306-07-002D	306-07-003A			

Some of these parcels are only partially within the subject Property boundaries.

This Phase I ESA has been completed in accordance with the U.S. Environmental Protection Agency's (EPA) Standards and Practices for All Appropriate Inquiries (40 CFR Part 312) and scope limitations of the American Society for Testing and Materials (ASTM) E 2247-08: Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Property. 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 Recognized Environmental Condition (REC) is defined as "...the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property."

## **Findings**

Environmental Liens/Activity and Use Limitations. There are no known environmental liens or Activity and Use Limitations (AULs) associated with the Property; however, a search for environmental liens and AULs was not conducted by a title professional for this assessment. These searches are separately conducted for each assessor parcel number. There are 20 parcels that comprise the Property. Due to the expense of commissioning this search, it is assumed that this search will be

commissioned by Resolution Copper at a later date, to reduce costs by not running these reports several times. A supplement to this report can be provided to address this requirement once the search is completed.

The report User provided copies of title information (exclusive of any environmental lien or AUL information that may exist) in connection to the Property including Commitment of Title Insurance and a list of Schedule B items (dated March 26, 2004), that lists title insurance exceptions at a certain point in time, including easements, rights-of-way, and other restrictions. None of the information in the provided title documents appear to indicate a use or identified condition that immediately suggests known contamination at the Property.

#### Records Review.

<u>Environmental Records</u>. WestLand contracted with Environmental Data Resources, Inc. (EDR) to conduct an electronic search of regulatory agency databases for references to the Property and surrounding lands. The database search was conducted on February 4, 2016, and included standard and additional federal, tribal, state, local, and supplemental database records, as well as EDR proprietary database records. Several sites of interest were identified within the searched distance from the Property, and a detailed REC evaluation was conducted for each in **Table 1** (**Section 4.1**). Those sites that indicate a REC for the Property are listed below:

- Phoenix Fuel River Road and HWY 77. A spill of diesel was reported from a tank at this site in 1994 in the amount of 2-2500 gallons. While it is likely that this spill was remediated as it was reported to an agency, there is no indication with the record that it was addressed. Considering the release occurred at the Property boundary, there is potential that this release impacted soils at the Property and is therefore considered a REC.
- Town of Mammoth- Cielo Wastewater Treatment Plant (WWTP). This facility has a surface water discharge permit and aquifer protection permit for infiltration ponds. The Town of Mammoth operates a wastewater treatment facility under Aquifer Protection Permit (APP) Number P-101690. The Town of Mammoth also has an APP (P-105647) and an AZPDES Permit (AZ0025470) for the Cielo WWTP. An APP permit is required for operations of a facility that discharges a pollutant either directly to an aquifer, 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. Considering this facility is located directly upgradient of portions of the Property in terms of groundwater flow, it is possible that this facility would impact the Property. The facility is also permitted as an AZPDES, Individual Permit, Minor WWTP Facility. The WWTP is authorized to discharge to ephemeral washes tributary to San Pedro on land adjoining the Property. The known release of pollutants directly upgradient of the Property is considered a REC.

- Pinal APN# 306-13-121. This record refers to one leaking underground tank with unknown
  or undefined soil contamination in 2014, and four underground storage tanks that were
  permanently closed in 2014. Considering the LUST record appears to still be an open case and
  the site is located less than one-quarter mile upgradient of portions of the Property, this record
  is considered a REC.
- 221 Main Street. This record refers to a dry-cleaning facility on land adjoining the Property. The TLC Laundry -Tender Laundry Care facility record is from 2008. This dry cleaner was located approximately 0.1 miles west of the Property. Dry cleaning operations typically used chlorinated hydrocarbon solvents including perchloroethylene (AKA tetrachloroethylene, perc, PCE). Affected soils are usually confined to the original release site, but chlorinated solvents may migrate to impact groundwater. Considering the proximity of the site to the Property and the high potential for transmissivity of the chemicals associated with dry-cleaning in groundwater, this record is considered a REC.

The EDR Orphan Summary list included in the EDR report identifies 27 records associated with unmappable sites ("orphan" sites) in the vicinity of the Property (in Mammoth, Pinal County, and San Manuel). These sites are unmappable due to inadequate information about their location. Based on WestLand's research of this list, these sites would likely not indicate an environmental concern for the Property due to the nature of the listings and/or their distance from the Property (greater than 1 mile). It was noted that several records on this list are associated with the San Manuel Mine, with its facilities generally between 1 and 6 miles south, and upgradient to the Property in terms of ground and surface water flow direction.

<u>Prior Phase I ESA</u>. A Phase I ESA of the Property was conducted by WestLand in July of 2003 (WestLand 2003a). The 2003 Phase I ESA concluded that there were not any RECs for the Property and that soil staining and wildcat dumping were the only housekeeping issues identified for the Property.

<u>Physical Setting</u>. The Lower San Pedro River parcel is located within the Basin and Range physiographic province. The province is characterized by elongated mountain ranges trending northwest-southeast, separated by broad alluvial valleys. The Property is located within one of the broad alluvial valleys of the Galiuro Mountains to the east and Santa Catalina Mountains to the south. Elevations range from 2,600 feet above mean sea level (amsl) atop a bluff at the southwestern most corner of the Property sloping gradually towards 2,300 feet amsl at the northern boundary. The Property is generally undisturbed river bottom land (stream channel plus overbanks) and upland areas on bluffs on the north side of the river. The dominant landscape features within the Property are the mesoriparian and hydroriparian habitats that line the river corridor. A mesquite bosque stretches for approximately 2.8 miles on the east side of the San Pedro River in the center of the Property. The Property is largely

composed of soil complexes that are generally well-drained and occurs on fan terraces, floodplains, and channels.

The Property is located in the northern portion of the Lower San Pedro River surface water basin (Hydrologic Unit Code [HUC] 15050203) and includes portions of the river itself, the adjoining floodplain, and adjacent upland areas. The northern boundary of the parcel is approximately 20 miles upstream from the San Pedro's confluence with the Gila River. Through the Property, flow in the river is ephemeral to intermittent (WestLand 2003a, 2003b).

The San Pedro River at the Property occurs within the Peppersauce Wash to Aravaipa Creek segment identified as a unit assessed for surface water quality by ADEQ (Reach ID 15050203-003) (ADEQ 2016). Designated uses for the San Pedro River through the Property include Fish Consumption, Full Body Contact, Agricultural Livestock Watering, and Aquatic and Wildlife (warm water) (A.A.C. Title 18, Chapter 11; ADEQ 2016). The most recent data available show that in 2012, ADEQ identified this reach as "inconclusive" (Category 3) regarding attainment of water quality standards for designated uses; additional sampling has been recommended for certain exceedances noted in samples collected in 2008 and 2010 (ADEQ 2016). Several segments of the San Pedro Watershed are identified as impaired for e. coli and copper on the 303(d) List of Impaired Waters, but the current list does not identify the segment at the Property. In 2013, a downstream segment of the San Pedro (Aravaipa Creek to Gila River) was recognized due to *E. Coli* conditions resulting from stormwater runoff and a Total Maximum Daily Load Analysis (TMDL) was completed in 2013 (ADEQ 2016).

The Property is located within the Mammoth sub-basin within the larger Lower San Pedro groundwater basin (ADWR 2014). In this region, the groundwater flow direction is from the mountains toward the valley floor of the San Pedro River and associated pumping centers. The Arizona Department of Water Resources (ADWR) Well Registry spatial database was queried to review any data for wells within the boundaries of the Property. There are 22 registered wells within the Property (ADWR 2016). These well data indicate that water levels are very shallow at less than 60 feet below the ground surface. Two wells onsite that are monitored by The Nature Conservancy of Arizona indicate that groundwater levels were less than 35 feet below the ground surface during the monitoring period of January to October 2010 (The Nature Conservancy 2010).

According to a baseline study conducted by ADEQ in 2000, the water from the artesian aquifers is suitable for domestic and irrigation purposes in the southern portion of the basin. However, groundwater found near the town of Mammoth has high sulfate and sodium concentrations. Additionally, high fluoride concentrations that exceed water quality standards are present in this region. The floodplain aquifer that is found in close association with the major waterways is considered to be a chemically-open hydrologic system. Finally, the groundwater collected from the unconfined basin-fill aquifer and from hard rock areas has the fewest water quality standard exceedances (ADEQ 2002).

According to ADWR (2009), groundwater water quality data from selected sites within Lower San Pedro Groundwater Basin in the vicinity of the Property show that fluoride and arsenic were the parameters that most frequently exceeded drinking water standards, based on four wells within the same township, range, and section as the Property. It is possible the groundwater under Property has an elevated level of fluoride exceeding its current drinking water standard of 4 mg/L and arsenic exceeding its current drinking water standard of 0.010 parts per million.

<u>Historical Use.</u> The Property's use includes open space, research, former residential, and agricultural uses (abandoned structures, corrals, and farm fields). Evidence of recreational use of vehicles can be seen in the riverbed on the Property.

Highlights from review of historical topographic and aerial maps indicate several mining and sand and gravel operations in the vicinity of the Property including San Manual Mine to the south, Tiger Mine, located more than 2 miles west, and various mine prospects. A stamp mill was constructed along the San Pedro River (generally at the town site of Mammoth and less than 0.5 mile from the Property) to increase water accessibility to Tiger Mine and by the early 1900s, an aerial tramway was established to supply the mill with ore from the mine. [This tramway is depicted on 1911 topographic map but removed by 1948]. That mine produced a variety of metals from the 1880s to the 1950s including gold, molybdenum, vanadium, lead, silver, and zinc. It is possible mineral processing occurred on adjoining land in connection with the stamp mill. General long-term mining exploration and processing in the area is well known.

The town of Mammoth, generally west of the Property along the west boundary, has grown from a small town with municipal buildings and a cemetery to numerous residences, businesses, and utilities including a WWTP.

Site Reconnaissance. On January 7 and 8, 2016, WestLand environmental specialists performed a field reconnaissance to assess existing environmental conditions for the Property. Field observations were consistent with the findings of WestLand's historical review of and interviews about the Property and surrounding properties. Due to the large amount of undeveloped land throughout the property, "spot-check" methodology was used to investigate the Property, based on accessibility and locations of interest noted in aerial photographs and topographic maps. Most likely, instances for wildcat dumping are thought to occur at reasonably accessible locations; hence the inspection of rural unpaved roads. Due to the size of the Property and obscurity presented by heavy vegetation in the bosques, it should not be assumed that all instances of wildcat dumping were observed during the onsite reconnaissance or noted herein.

-

<sup>&</sup>lt;sup>1</sup> A WestLand environmental specialist returned to the Property on April 4, 2017 to assess the environmental conditions after a wildcat dumping site on the west end of the Property, just east of the town of Mammoth, was cleaned up.

The Property has historically been used for farming, grazing, hunting, and recreational activities. Physical evidence of past use of the Property includes wells, pipelines, and various structures. A house, adobe buildings, barns, and stockade fences, all of which have been abandoned, are evidence of past residential and ranching uses on the Property. The Property was formerly cultivated from at least 1945 until at least the 1950s. Lead and arsenate (arsenic) pesticides and defoliants were historically used on certain crops in Arizona. It is unknown if routine agricultural application of pesticides has occurred on the Property, therefore, it is possible that pesticide residuals may be present in the formerly cultivated soils on the Property. During the site visit, WestLand did not observe any indication of bulk chemical storage areas or indications of pesticide spills, releases, or accumulations such as ground staining or discoloration near outbuildings and storage areas or low-lying drainage areas.

The Property is being managed as open space by The Nature Conservancy on behalf of the current owner. An on-site storage unit is used for the Property manager's gear.

A 1.2-mile long trail for public access is located on the Property south of Copper Creek Road. Recreational activities, such as ATV and four-wheel drive vehicle use occurs on the river bottom. A shooting range, managed by the Lions Club, is located on Copper Creek Road, approximately 0.1 mile east of South River Road. Based on interviews with the Property manager, we understand that this portion of land (an approximately 10-acre inholding including the shooting range and restroom facilities) has been deeded to the Lion's Foundation and excluded from the Property. The Lion's Foundation has several grants with Arizona Game and Fish Department (AGFD) for managing the site. Based on interviews with the site manager, the shooting range has been used since at least 2000 and is used on a daily basis for practice shooting. The Lion's Club is reportedly a good neighbor and based on the site visit and interviews, likely a good steward with the shooting range. Concerns associated with shooting ranges includes lead on soils from spent bullets. However, considering the shooting range is on adjoining land and is likely managed with good housekeeping practices, it is not considered a REC for the Property.

A large piece of asbestos-concrete pipe was observed on-site (**Photograph 28**). The asbestos concrete pipe at the Property appears to be friable and is no longer in use, therefore it is considered a hazardous waste. Provided the amount of transite present at the Property, this is considered a *de minimis* condition.

No evidence of septic systems was observed on the Property during the site reconnaissance. Nonetheless, it is possible that the abandoned residential structures had septic systems and that the systems remain on the site. Such septic systems, if present, are likely associated with residential use and are not considered a REC.

A small spill (approximately 4-feet by 4-feet) of what appeared to be a petroleum product was observed at a wildcat dumping site on the west end of the Property, just east of the town of Mammoth. Given the small quantity of this release, the stained soil is considered a *de minimis* condition. No other

stained soil or pavement was observed on the Property or adjoining properties during the site reconnaissance.

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

- The report User: Ms. Casey McKeon, representative for Resolution Copper,
- Property Manager: Ms. Celeste Andresen, an employee of The Nature Conservancy, and
- Government officials: Fire Chief Rod Prast with Pinal Rural Fire Rescue.

The User reported that wildcat dump cleanups occurred soon after Resolution Copper acquired the Property. Several hundred tons of non-hazardous trash were reportedly removed. The User reported that the site has been used for agriculture (i.e. growing crops, raising farm animals, and some grazing) and that herbicides and/or insecticides may have been used during this time. No other commonly known or reasonably ascertainable information relevant to potential RECs was provided by the User.

Ms. Andresen described the current use of the Property as open space and reported that grazing is not permitted. There is a public trail and the river bottom is often used by recreationalists but otherwise, use is restricted to wildlife research. She reports that past land owners included farmers and ranchers or owners who leased the Property for farming and ranching from the 1900s to 1950s. The Property was owned by Magma Mining and BHP until the early 2000s when it was purchased by a subsidiary associated with Resolution Copper.

Ms. Andresen is not aware of any currently stored chemicals or petroleum products at the Property in containers larger than 5 gallons. She is not aware of any above ground storage tanks or underground storage tanks with any contents, or any vents suspected to be associated with underground storage tanks (the pipes/vents WestLand observed at the burnt house are likely associated with an exposed basement). She is not aware of any environmental cleanup liens, engineering controls, land use restrictions or institutional controls intended to reduce exposure to hazardous substances or petroleum products. She reports there are no pits/ponds/lagoons associated with waste disposal or treatment at the Property. She is not aware of any PCB equipment. She reports there is no known stained soil or pavement and no areas where vegetation is lacking suspected to be the result of a past release and no dirt fill from an unknown or contaminated origin. There have been no known odors reported that are likely to be associated with hazardous substances or petroleum products.

Ms. Andresen indicated that in 2006 or 2007 Resolution Copper completed a cleanup of the wetlands/artesian well and dump sites in the uplands of the Property, which may have included removal of chemical or petroleum products. This may have been used as a staging area and is adjacent to the Mammoth gravel yard.

She reported that it is possible that trash dumps were buried at the Property and could contain drums. WestLand considers it unlikely that fuel was buried with typical refuse at the Property.

Based on the interview and documents provided by Ms. Andresen, there was a covenant (back to 1960) stating that Magma had a dump on the Property; however, this covenant incorrectly listed the township and range. The dump was actually on property currently owned by BHP, not on this Property, and the County recorder is in the process of updating the covenant.

Fire Chief Rod Prast reported that they have no knowledge of any spills or storage of hazardous materials of petroleum products at or in the immediate vicinity of the Property.

## **Recognized Environmental Conditions**

WestLand has performed this Phase I ESA in conformance with the scope and limitation of ASTM E 2247-08 for the Property. This assessment has revealed no evidence of REC in connections with the Property except:

- There is a known fuel release associated with Phoenix Fuel at River Road and HWY 77, generally at the northeast Property boundary. There is no indication this release of 2-2500 gallons was cleaned up with the records reviewed for this inquiry. While it is likely this spill was remediated since it was reported to a government agency, additional information for this record should be obtained to determine if this release was cleaned up. Additional records review may inform if this record is an environmental liability for the Property.
- A leaking underground storage tank is located at Pinal County assessor parcel number 306-13-121, on land immediately upgradient from the Property. There is no indication that this record has been closed. Additional records review may inform if this record is an environmental liability for the Property.
- The Town of Mammoth operates a WWTP and maintains both an aquifer protection permit and AZPDES permit. This facility has permits to discharge pollutants to the aquifer and surface water immediately upstream of the Property. While this is a permitted condition, it is also considered a REC.
- A dry-cleaning operation was located at 221 Main Street on land directly upgradient of the Property. Dry cleaning operations typically use chlorinated hydrocarbon solvents. Affected soils are usually confined to the original release site, but chlorinated solvents may migrate to impact groundwater. Considering the proximity of the record to the Property and the high potential for transmissivity of the chemicals associated with dry-cleaning in groundwater, this record is considered a REC.

- ADEQ classifies this reach as "inconclusive" regarding attainment of water quality standards for designated uses as several exceedances were recorded. Future ADEQ monitoring recommendations for this segment of the river include arsenic, chromium, lead, dissolved oxygen, copper, E. voli, sediment, and selenium due to exceedances (ADEQ 2016).
- A portion of the Property was formerly cultivated from at least 1945 until at least the 1950s.
  Lead and arsenate (arsenic) pesticides and defoliants were historically used on certain crops in
  Arizona. It is unknown if routine agricultural application of pesticides has occurred on the
  Property, therefore, it is possible that pesticide residuals (chlorinated pesticides, arsenic and
  lead) may be present in the formerly cultivated soils on the Property.
- Some wells in the vicinity of the Property contain high sulfate, sodium, arsenic, and/or fluoride concentrations. There is potential for regional groundwater contamination above safe drinking water levels in aquifers under the Property due to naturally occurring constituents and/or resulting from anthropogenic impacts in the area (industry/mining/agriculture).

Additionally, WestLand recommends that all areas of wildcat dumping, while not a REC, should be cleaned up and disposed of properly.

## I. INTRODUCTION

WestLand Resources, Inc. (WestLand) was contracted by Resolution Copper Mining LLC (the "User") to perform a Phase I Environmental Site Assessment (ESA) for approximately 3,500 acres referred to as Lower San Pedro River parcel ("the Property").

## I.I. PURPOSE

The purpose of this investigation was to conduct an assessment of the Property and surrounding areas to identify recognized environmental conditions potentially resulting in environmental impacts to the Property. According to the American Society for Testing and Materials (ASTM) E 2247-08 guidelines, a recognized environmental condition is defined as: "...the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property." This term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies. Conditions determined to be *de minimis* are not recognized environmental conditions.

The results of an investigation may be utilized as part of the due diligence investigation for prospective property owners promulgated pursuant to the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA, a.k.a. Superfund), the Superfund Amendments and Reauthorization Act of 1986 (SARA), and the Small Business Liability Relief and Brownfield's Revitalization Act of 2002 (the Brownfield Amendments). This 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 Protection Agency (EPA), state, or other parties conducting response or restoration actions; 5) complying with CERCLA information requests and subpoenas; and 6) providing legally required notices.

#### I.2. SCOPE OF SERVICES

This ESA has been completed pursuant to the scope of work dated December 9, 2015, entitled *Phase I Environmental Site Assessment for Lower San Pedro River Site in Support of the Southeast Arizona Land Exchange, Westland Proposal No. P8936.15*; and in accordance with the guidelines provided in the ASTM

Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Property (ASTM E 2247-08). This standard satisfies the requirements of the EPA All Appropriate Inquiry provisions (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 field 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 to qualify for liability protection. ASTM E 2247-08 Section 6 (User Responsibilities) describes tasks that will help identify the possibility of recognized environmental conditions 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). Due to the current and historic uses of the Property and the large number of APNs associated with the Property, a title search for environmental liens and AULs is not necessary to determine the presence of any RECs.

This 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, biological agents, mold, or other nuisances.

## I.3. LIMITATIONS AND EXCEPTIONS

This Phase I ESA evaluates potential sources of hazardous substances or petroleum products that could be considered a Recognized Environmental Condition (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.

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 Copper. This ESA may not be relied upon by any other person or entity without the written consent of WestLand.

## I.6. CONTINUED VIABILITY

Due to the nature of Phase I ESA inquiries, their useful life is limited. ASTM E 2247-08 guidelines require that certain components of a Phase I ESA be completed less than 180 days prior to the date of acquisition or (if no acquisition is involved) the intended transaction. The following components of the Phase I ESA are presumed valid only within 180 days prior to the date of acquisition or other intended transaction:

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

Some components of this report will need to be updated for this report to be valid. Other components of the Phase I ESA are valid for one year. The above-listed components can be separately updated in order to eliminate redundant environmental due diligence efforts within one year. After one year has passed, all Phase I ESA components should be redone. The prior ESA report may be used as a reference during completion of the new investigation and analysis.

#### 2. SITE DESCRIPTION

This section describes the location, general characteristics, and current uses of the Property. The current uses of adjoining properties are also described. Photographs depicting the Property and vicinity are provided in **Appendix A**. A recent aerial photograph depicting the Property and near vicinity is provided as **Figure 2**. The approximate locations of the ground photographs with GPS locations shown in **Appendix A** are provided on **Figure 3**.

#### 2.1. LOCATION AND LEGAL DESCRIPTION

The Property is located along the lower San Pedro River near the Town of Mammoth in Pinal County, Arizona. The Property is adjacent to the town of Mammoth and the majority of the Property is west of Arizona State Highway 77 (AZ 77). The Property is a private landholding surrounded by recreational/undeveloped land or transportation corridors in all other areas (other than the town of Mammoth). The Property is located in portions of the following townships, ranges, and sections in the Gila and Salt River Baseline and Meridian, in Pinal County, Arizona:

Township and Range	Sections
Township 8 South, Range 16 East	12
Township 8 South, Range 17 East	7, 17, 18, 19, 20,2 1, 28, 29, 32, 33
Township 9 South, Range 17 East	3, 4

The Pinal County Assessor Parcel Numbers (APNs) for the Property are:

Assessor Parcel Numbers				
307-050-020	306-07-0060	306-07-0050		
307-05-0060	307-05-0050	307-05-0040		
306-25-0060	306-07-0080	306-25-0010		
306-33-0100	306-07-004A	306-07-0050		
306-33-0090,	306-07-002C	306-09-0030,		
306-09-0030	306-03-0020	306-14-001A		
306-07-002D	306-07-003A			

These parcels comprise a larger area than the subject Property.

## 2.2. SITE AND VICINITY GENERAL CHARACTERISTICS

The Property consists of approximately 3,500 acres along the San Pedro River near the town of Mammoth in Pinal County, Arizona. It is located in the San Pedro River Valley, in the northern portion of the San Pedro River basin within the floodplain and adjacent upland areas. The majority of the Property is undeveloped. Approximately 15 percent of the Property had been cleared of native vegetation for agricultural uses and was previously farmed primarily for alfalfa for livestock feed (WestLand 2004).

The undeveloped portion of the Property is generally undisturbed river bottom land (stream channel plus overbanks) and upland areas on bluffs on the north side of the river. The dominant landscape features within the Property are the mesoriparian and hydroriparian habitats that line the river corridor. A mesquite bosque stretches for approximately 2.8 miles on the east side of the San Pedro River in the center of the Property.

#### 2.3. CURRENT USE OF THE PROPERTY

The Property is generally characterized as undeveloped open space though transportation corridors and scattered developed features from historical agricultural use are present. Evidence of recreational use of vehicles can be seen in the riverbed on the Property.

The Property is presently managed by The Nature Conservancy on behalf of the Owner.

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

Several improved (paved) and unimproved (dirt) public roads cross the parcel. On the northeast side of the river, River Road is paved from its intersection with AZ 77 southeast through the Property and adjoining properties, becoming dirt farther southeast. Copper Creek Road crosses the Property from the northeast side of the river to Mammoth; it is paved except where it crosses the streambed. Camino Rio Road accesses the Property and adjoining parcels on the southwest side of the river northwest of Mammoth. A dirt road southeast of Mammoth, on the southwest side of the river, is depicted on maps but was reportedly abandoned years ago. Vestiges of this road are present in some locations along the Property. Numerous unimproved dirt roads and trails cross the Property as well; these appear to have been formed by the general public as convenient access to the river or upland areas. Much of the Property is not fenced (WestLand 2004). Remnants of former residential and agricultural uses (abandoned structures and corrals) are present. The Nature Conservancy also has a mobile storage unit at the Property for their gear.

## 2.5. CURRENT USES OF ADJOINING PROPERTIES

Agricultural, commercial, industrial, residential, and recreational/undeveloped land uses occur on adjoining properties. A small unincorporated community characterized by ranching and farming uses occurs north of the Property. A sand and gravel quarry occurs in Section 7, east of the Property, as well as State Trust Lands and U.S. Bureau of Land Management (BLM) lands, which are open space available for recreational uses. A trailer park community and ranching occur south of the Property. West of the Property is the town of Mammoth, including residential and commercial uses most of which are in Sections 17, 18, and 19. A sewage treatment plant (operated by the Town of Mammoth) is located in the northwest corner of Section 18, and a Town of Mammoth maintenance yard is also located in Section 18.

#### 3. USER-PROVIDED INFORMATION

The report User is Resolution Copper who provided relevant information about the Property. Swift Current Land and Cattle LLC is the land owner and a subsidiary of Resolution Copper. The User contact is Ms. Casey McKeon. A copy of the User Questionnaire is provided as **Appendix B**.

## 3.1. TITLE RECORDS

The report User provided copies of title information (exclusive of any environmental lien or Activity and Use Limitations (AULs) information that may exist) in connection to the Property including Commitment of Title Insurance and a list of Schedule B items (dated March 26, 2004), that lists title insurance exceptions at a certain point in time, including easements, rights-of-way, and other restrictions (**Appendix C**). None of the information in the provided title documents appear to indicate a use or identified condition that immediately suggests known contamination at the Property.

## 3.2. Environmental Liens or Activity and Use Limitations

WestLand coordinated with the owner to determine if prior environmental information regarding environmental liens or activity and use limitations (AULs) was available for the Property; the User is not aware of any environmental liens or AULs for the Property.

A search for environmental liens and AULs was not conducted by a title professional for this assessment. These searches are separately conducted for each assessor parcel number. There are 20 parcels that comprise the Property. Due to the expense of commissioning this search, it is assumed that this search will be commissioned by Resolution Copper at a later date, to reduce costs by not running these reports several times. A supplement to this report can be provided to address this requirement once the search is completed.

#### 3.3. SPECIALIZED KNOWLEDGE

The User reported that wildcat dump cleanups occurred soon after Resolution Copper acquired the Property. Several hundred tons of non-hazardous trash were removed.

## 3.4. COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

The User reported that the site has historically been used for agricultural: growing crops, raising farm animals, and some grazing and that herbicides and/or insecticides may have been used during this time. No other commonly known or reasonably ascertainable information relevant to potential RECs was provided by the User.

## 3.5. VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

There is no information indicating the value of the Property had been reduced as a result of environmental issues.

## 3.6. REASON FOR PERFORMING PHASE I

The Phase I is being performed to identify RECs requiring additional investigation relating to a land exchange property transaction between the U.S. Forest Service (USFS) and Resolution Copper.

## **3.7. OTHER**

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

#### 4. RECORDS REVIEW

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

## 4.1. ENVIRONMENTAL RECORD SOURCES

WestLand contracted with EDR to conduct an electronic search of regulatory agency databases for references to the Property and surrounding lands. The database search was conducted on February 4, 2016, and included standard and additional federal, tribal, state, local, and supplemental database records, as well as EDR proprietary database records. It is noted this search will need to be updated. The regulatory agency databases were queried by conducting a search from the boundaries of the Property to the minimum search distance recommended by the ASTM standard. A copy of the EDR environmental report 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**.

Eleven occurrence records were mapped in the EDR environmental report. Some records occur so close together, they were counted as one location (e.g. Record ID #7). Five of these mapped sites occur at or on the boundary of the Property. **Table 1** below addresses the records identified by the environmental records searched within the ASTM search distances from the Property. Records that could be determined to be the same record or property were combined for this evaluation. Several occurrence records were identified on multiple databases. There are three US MINES sites within the ASTM-recommended search distance. Additional historical review of mining activity in the vicinity of the Property is provided in **Section 4.4.6, Other Historical Sources**.

**Table I. Detailed Environmental Records Evaluation** 

Table 1. Detailed Environmental Records Evaluation			
Site ID Name, Map ID Number, and Situation relative to the Property	Databases Listed	Analysis	Potential Impact to the Property
New NGC Incorporated Map ID: 1 Elevation: Sidegradient of the Property	US MINES	This site is identified as a non-coal mining operation as Feldman #2 with a status date of 1983. Several citations/violations of an unknown nature are listed from 1983 but all were abated. Mindat (2016) provides a summary for the Feldman and Winkelman Gypsum pits that indicates an existing surface mining operation where gypsum ore is drilled and blasted, then the broken gypsum is load and hauled to crushing plants. There is no known or suspected release of hazardous material or petroleum products associated with this record and all violations have been addressed.	Not considered a REC
Phoenix Fuel – River Rd & HWY 77/Clark Pit #1 in Mammoth. Map ID: 2 Elevation: Sidegradient of the Property	SPILLS	A spill of diesel was reported from a tank at this site in 1994 in the amount of 2-2,500 gallons. While it is likely that this spill was remediated as it was reported to an agency, there is no indication with the record that it was addressed. Considering the release occurred near the Property boundary, there is potential that this release impacted soils at the Property.	REC
Town of Mammoth- Cielo WWTP Map ID: 3 Elevation: Sidegradient/ Upgradient of the Property/At Property boundary	EMAP, Aquifer, WWFAC, FINDS, EMAP, FINDS	This facility has a surface water discharge permit and aquifer protection permit. The Town of Mammoth has operated a WWTP located at 14610 Highway 77 under Aquifer Protection Permit (APP) Number P-101690. The permit indicates that the treatment facility has operated since 1981 and an APP application was first received on May 3, 1999. The Town of Mammoth also has an APP (P-105647) and an AZPDES Permit (AZ0025470) for the Cielo WWTP. An APP permit is required for operations of a facility that discharges a pollutant either directly to an aquifer, 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. Considering this facility is located directly upgradient of portions of the Property in terms of groundwater flow, it is possible that this facility would impact the Property. The facility also permitted as an AZPDES, Individual Permit, Minor WWTP Facility. The WWTP is authorized to discharge to ephemeral washes tributary to the San Pedro River on land adjoining the Property. The known release of pollutants directly upgradient of the Property is considered a REC.	REC
Creola Dungen Map ID: 4 Elevation: Sidegradient/ Upgradient of the Property	UST	This record refers to two tanks that were permanently removed in 1990. There is no indication that either of these tanks leaked.	Not considered a REC
San Carlos Project Map ID: 5 Elevation: Sidegradient/ Upgradient of the Property	LUST, UST	This record refers to a leaking underground storage tank from 1997; however, this LUST case was closed in 1998 when the affected soil met tier 1 soil remediation levels. This record also refers to tank that was permanently removed in 1997 (likely the same tank as the LUST). Considering the soils impacted by the LUST were remediated; this release is not considered an environmental liability for the Property.	Not considered a REC

Site ID Name, Map ID Number, and Situation relative to the Property	Databases Listed	Analysis	Potential Impact to the Property
Pinal APN #306-13-121 Map ID: 6 Elevation: Sidegradient/ Upgradient of the Property	LUST, UST, EAMP	This record refers to one leaking underground tank with unknown or undefined soil contamination in 2014, and four underground storage tanks that were permanently closed in 2014. The EAMP record notes this is a gas filling station. Considering the LUST record appears to still be an open case and the site is located upgradient of portions of the Property, this record is considered a REC.	REC
Pinal APN #306-13-176D Map ID: 7 Elevation: Sidegradient/ Upgradient of the Property	LUST, UST, EAMP	This record refers to one leaking underground tank; however, the case was closed when soils met tier 1 remediation levels in 2012. Two underground storage tanks are reported to have been permanently closed in 2012. The EAMP record notes this is a grocery and convenience store. Considering the LUST record appears to have been addressed, this record is not considered a REC.	Not considered a REC
Pinal APN #306-13-203 Map ID: 7 Elevation: Sidegradient/ Upgradient of the Property	LUST, UST, EAMP	This record refers to one leaking underground tank; however, the case was closed when soils met tier 1 remediation levels in 2012. Three underground storage tanks are reported to have been permanently closed in 2012. The EAMP record notes this is a gas station. Considering the LUST record appears to have been addressed, this record is not considered a REC.	Not considered a REC
Fred Clark Trucking Co. Map ID: 8 Elevation: Sidegradient/ Upgradient of the Property	UST	This record refers to the Fred Clark Trucking Company that removed two underground storage tanks at this site in 1992. There is no indication a release was associated with these tanks.	Not considered a REC
Metro Materials Globe Map ID: 9 Elevation: Mapped at Property	MINES	The Metro Materials Globe record has no address, is identified as a non-coal mining facility (likely aggregate facility), and no environmental information regarding this facility is provided in the EDR report. Based on review of MRDS records for mine locations, this record may be affiliated with Clarks Gravel Quarry/Clark's Trucking Company and/or a sand and gravel pit. There is no known or suspected release of hazardous material or petroleum products associated with the sand and gravel operation.	Not considered a REC
221 Main Street Map ID: 10 Elevation: Sidegradient/ Upgradient of the Property/at Property boundary	EDR Historical Cleaner	This record refers to a dry-cleaning facility on land adjoining the Property. The TLC Laundry -Tender Laundry Care facility record is from 2008. This dry cleaner was located approximately 0.1 miles west of the Property. Dry cleaning operations likely used chlorinated hydrocarbon solvents including perchloroethylene (AKA tetrachloroethylene, perc, PCE). Affected soils are usually confined to the original release site, but chlorinated solvents may migrate to impact groundwater. Considering the proximity of the record to the Property and the high potential for transmissivity of the chemicals associated with dry-cleaning in groundwater, this record is considered a REC.	REC

Site ID Name, Map ID Number, and Situation relative to the Property	Databases Listed	Analysis	Potential Impact to the Property
St. Cloud Mining Co. Map ID: 11 Elevation: Mapped at Property	US MINES	This record is for the White Cliffs Mine and Plant, a non-coal mining operation. There are several violations recorded for this facility which occurs at the Property. Assessments appear to have been filed against the property for dollar amounts ranging from \$60-\$123. Several violation cases are closed in connection to the citations. Mindat (2016) identifies the White Cliffs Mine as a former surface gypsum and diatomaceous earth mine. The mine produced from the 1920's to 1940's. Mindat further notes that workings include many small quarries which were put in during the 1960's. There is no known or suspected release of hazardous materials or petroleum products associated with this mine record.	REC

The EDR Orphan Summary list included in the EDR report identifies 27 records associated with unmappable sites ("orphan" sites) in the vicinity of the Property (in Mammoth, Pinal County, and San Manuel). These sites are unmappable due to inadequate information about their location. Based on WestLand's research of this list, these sites would likely not indicate an environmental concern for the Property due to the nature of the listings and/or their distance from the Property (greater than 1 mile). It was noted several records on this list are associated with the San Manuel Mine, with its facilities generally between one and six miles south, and upgradient to the Property in terms of ground surface slope and surface water flow direction.

## 4.2. PRIOR ENVIRONMENTAL REPORTS

A Phase I ESA was conducted for the Property by WestLand in July of 2003 (WestLand 2003a). The 2003 Phase I ESA concluded that there were not any RECs for the Property and that soil staining and wildcat dumping were the only housekeeping issues identified for 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. A site visit was completed on January 7 and 8, 2016.

## 4.3.1. Topography

The Property is located within the Basin and Range physiographic province. The province is characterized by elongated mountain ranges trending northwest-southeast, separated by broad alluvial valleys. The Property is located within one of the broad alluvial valleys of the Galiuro Mountains to the east and Santa Catalina Mountains to the south.

The gradient of the San Pedro River streambed is very gradual to the northwest. The primary stream channel meanders along the riverbed. Upland slopes facing the river are typically steeper on the north side of the river and generally gentler on the south side of the river. On both sides, however, the bluffs are deeply incised by numerous washes, both named and unnamed (WestLand 2003a). The upland bluffs range up to 50 to 75 feet in elevation above the overbanks; typically, the bluff slopes facing the river are steep to near vertical especially on the north side of the river (WestLand 2003a). Larger tributary washes on the Property include Copper, Mammoth, and Turtle washes and contribute deposition and runoff to the San Pedro River (WestLand 2003b).

Elevations range from 2,600 feet above mean sea level (amsl) atop a bluff at the southwestern most corner of the Property sloping gradually towards 2,300 feet amsl at the northern boundary. The lowest elevations occur at the thalweg of the San Pedro River at the northwest extreme of the Property. The second highest elevation is located atop a bluff along the midpoint of the northeast margin of the Property (approximately 2,525 feet).

## 4.3.2. **Soils**

Soil data provided by the National Cooperative Soil Survey through Web Soil Survey (Soil Survey Staff 2015) indicate that 11 soil complexes occur within the Lower San Pedro parcel. The most common soils complexes include the Augustin-Kokan-Queencreek complex, the Cascabel soils-Wetrock soils-Riverwash complex, the Gila-Vinton complex, the Glendale-Hantz complex, and the Haplogypsid-Whitecliff-Bandlands complex. These soil complexes are generally well-drained and occur on fan terraces, floodplains, and channels, as described below:

- The Agustin-Kokan-Queencreek complex consists of very deep, well-drained, moderately to rapidly permeable soils formed in mixed fan alluvium. Agustin soils make up approximately 55 percent, Kokan soils 25 percent, and Queencreek soils about 15 percent of this complex. These nearly level to moderately sloping soils are on fan remnants and floodplains. Slopes range from 0 to 8 percent.
- The Cascabel soils-Wetrock soils-Riverwash complex consists of very deep, moderately well-drained soils that formed from mixed stream alluvium. This soil complex is on floodplains and channels and has slopes of 0 to 5 percent.
- The Gila-Vinton complex consists of deep, well-drained soils formed in stratified or mixed alluvium. Gila soils comprise 45 percent and Vinton soils approximately 40 percent of this complex. These soils are on alluvial fans and floodplains and have slopes of 0 to 5 percent.
- The Glendale-Hantz complex consists of very deep, well drained soils that formed in stratified mixed alluvium. Glendale soils comprise 50 percent of Hantz soils approximately 40 percent

- of this complex. These soils are on alluvial fans, floodplains, and stream terraces and have slopes of 0 to 5 percent.
- The Haplogypsid-Whitecliff-Bandlands complex consists of very deep, well-drained soils that formed from gypsiferous and calcareous lacustrine deposits. Haplogypsids soils comprised 45 percent, Whitecliff spoils 25 percent, and Badlands soils approximately 20 percent of this complex. These soils are on alluvial fans and fan terraces and have slopes of 0 to 5 percent typically, but can range up to 80 percent.

The remaining six soil complexes each comprise less than 12 percent of the Property's acreage (Soil Survey Staff 2015).

## 4.3.3. Geology

The majority of the surface geology of the Property is Holocene River Alluvium (Qr). An upland area in the eastern portion of the Property is mapped as Pliocene to Middle Miocene deposits (Tsy), and the extreme southwestern corner is mapped as Quaternary Surficial deposits (Q), undivided (Richard et al. 2000). Holocene River Alluvium consists of unconsolidated to weakly consolidated sand and gravel in river channels and sand, silt, and clay on floodplains. This unit also includes young terrace deposits fringing the floodplains. Pliocene to Middle Miocene deposits are moderately to strongly consolidated conglomerate and sandstone deposited in basins during and after late Tertiary faulting. This unit includes lesser amounts of mudstone, siltstone, limestone, and gypsum. They commonly form high rounded hills and ridges in modern basins, and locally form prominent bluffs. Quaternary Surficial deposits, undivided, consists of unconsolidated to strongly consolidated alluvial and eolian deposits. This unit includes: coarse, poorly sorted alluvial fan and terrace deposits on middle and upper piedmonts and along large drainage; sand, silt and clay on alluvial plains and playas; and wind-blown sand deposits.

## 4.3.4. Hydrology

The Property is located in the northern portion of the Lower San Pedro River surface water basin (Hydrologic Unit Code [HUC] 15050203) and includes portions of the river itself, the adjoining floodplain, and adjacent upland areas. The northern boundary of the parcel is approximately 20 miles upstream from the San Pedro's confluence with the Gila River. The San Pedro River is one of only two major rivers that flow north out of Mexico into the U.S., and is one of the few remaining free-flowing rivers in the Southwest. Through the Property, the river is ephemeral to intermittent (WestLand 2003a, 2003b). Stream flow data collected at USGS Gauge No. 09472500 on the San Pedro River, near Mammoth, Arizona, suggest that surface water flow is intermittent and associated with seasonal weather patterns (WestLand 2003b). Stream gauge (USGS Gauge No. 09472000) data collected near Redington, Arizona, approximately 20 miles upstream of the Property also suggest this

stretch is also intermittent at least since arroyo cutting was initiated in the late 1800s (WestLand 2003b).

An uncapped man-made well named the "hot spring" well is present on the Property; this well was not observed during the site visits but is reportedly maintained by The Nature Conservancy as wildlife habitat. The artesian well is approximately 1,500 feet deep and discharges water at an estimated rate of about 53-106 gallons per minute (gpm) (WestLand 2003b). The well creates a perennial surface water feature within the Property. The water flows west-northwest from the artesian well for about 328 feet before sinking below ground (WestLand 2003b). This well is further described as free-flowing with 106° Fahrenheit water at a rate of about 20 gpm stretching about 420 feet (The Nature Conservancy 2010). In 2007, outflow of the well was diverted to the San Pedro River using PVC pipe (The Nature Conservancy 2010).

The San Pedro River at the Property occurs within the Peppersauce Wash to Aravaipa Creek segment identified as a unit assessed for surface water quality by ADEQ (Reach ID 15050203-003) (ADEQ 2016). Designated uses for the San Pedro River through the Property include Fish Consumption, Full Body Contact, Agricultural Livestock Watering, and Aquatic and Wildlife (warm water) (A.C.C. Title 18, Chapter 11; ADEQ 2016). The most recent data available show that in 2012, ADEQ identified this reach as "inconclusive" (Category 3) regarding attainment of water quality standards for designated uses; additional sampling has been recommended for certain exceedances noted in samples collected in 2008 and 2010 (ADEQ 2016). Several segments of the San Pedro Watershed are identified as impaired for *E. coli* and copper on the 303(d) List of Impaired Waters, but the current list does not identify the segment at the Property. In 2013, a downstream segment of the San Pedro (Aravaipa Creek to Gila River) was recognized due to *E. Coli* conditions resulting from stormwater runoff and a Total Maximum Daily Load Analysis (TMDL) was completed in 2013 (ADEQ 2016).

As noted above, the San Pedro River is intermittent to ephemeral through the Property. The National Wetlands Inventory (NWI) map identifies 1,766 acres of variably classified wetlands at the Property (USFWS 2015). Mesoriparian and xeroriparian habitat is present along the stream channel. Facultative wetland species were present. No obligate wetland species or hydric soils were observed along the stream channel (WestLand 2004). However, a small wetland has formed around the "hot spring well," a free-flowing artesian well, and obligate and facultative wetland vegetation are present including willow (*Salix* sp.), ash (*Fraxinus* sp.), watercress (*Rorippa* sp.), and spike-rush (*Eleocharis* sp.) (The Nature Conservancy). The wetland is estimated to be approximately 0.25 acre and stretching roughly 420 feet (The Nature Conservancy 2010).

The area has been mapped by the Federal Emergency Management Agency (FEMA) as having four zones of flood hazard. These include Zone A (1 percent chance flood hazard), Zone AE (regulatory floodway), Zone X (0.2 percent annual chance flood hazard), and Zone X (are of minimal flood hazard) (FEMA 2015).

## 4.3.5. Hydrogeology

The Property is located within the Mammoth sub-basin within the larger Lower San Pedro groundwater basin (ADWR 2014). In this region, the groundwater flow direction is from the mountains toward the valley floor of the San Pedro River and associated pumping centers.

The aquifer in the Mammoth sub-basin is made up of four water-bearing units: the floodplain aquifer, the unconfined basin-fill aquifer, the confined (or artesian) basin-fill aquifer, and in the fractured and faulted portions of hard rock mountains of the basin. The most productive water-bearing unit is the floodplain aquifer, which parallels the major waterways and is composed of gravel, sand, silt, and clay. An artesian aquifer may be encountered in wells drilled deeper than 500 feet. The primary recharge in the area occurs from surface flows in the San Pedro River (ADEQ 2002).

WestLand queried the Arizona Department of Water Resources (ADWR) Well Registry spatial database to review data for wells within the boundaries of the Property, in addition to the known artisan well described above. There are 22 registered wells at the Property (ADWR 2016). This well data indicates that water levels for these wells are very shallow at less than 60 feet below the ground surface. Two wells onsite that are monitored by The Nature Conservancy indicate that groundwater levels were less than 35 feet below the ground surface during the monitoring period of January to October 2010 (The Nature Conservancy 2010).

According to a baseline study conducted by ADEQ in 2000, the water from the artesian aquifers is suitable for domestic and irrigation purposes in the southern portion of the basin. However, groundwater found near the town of Mammoth has high sulfate and sodium concentrations. Additionally, high fluoride concentrations that exceed water quality standards are present in this region. The floodplain aquifer that is found in close association with the major waterways is considered to be a chemically-open hydrologic system. Finally, the ground water collected from the unconfined basin-fill aquifer and from hard rock areas has the fewest water quality standard exceedances (ADEQ 2002).

According to ADWR (2009), groundwater water quality data from selected sites within Lower San Pedro Groundwater Basin in the vicinity of the Property show that fluoride and arsenic were the parameters that most frequently exceeded drinking water standards, based on four wells within the same township, range, and section as the Property. It is possible the groundwater under Property has an elevated level of fluoride exceeding its current drinking water standard of 4 mg/L and arsenic exceeding its current drinking water standard of 0.010 parts per million.

## 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 1911, 1948, 1972, and 2014. USGS topographic map coverage for the Property is provided on the Winkelman 30-minute quadrangles, Mammoth 7.5-minute quadrangles, Clark Ranch 7.5-minute quadrangles, Lookout Mountain 7.5-minute quadrangles, and Holy Joe Peak 7.5-minute quadrangles (**Appendix E**). The 7.5-minute quadrangles are provided at a 1:24,000 scale and the 30-minute quadrangles at a 1:125,000 scale. Topographic maps depict both natural and developed features, including wells, structures, and other indications of historical use. The summary below presents WestLand's review of the identified mapped features on or near the Property in chronological sequence.

The 1911 Winkelman 30-minute quadrangle (1:125,000 scale) provides coverage for the entire Property. This map depicts much of the Property as undeveloped land except for a few scattered roads and structures. A small community, the town of Mammoth, is located outside of the western Property boundary near the middle of the Property. Copper Creek Road crosses the Property near the middle of the Property, and a road runs along the eastern edge of the San Pedro River. Several dirt roads provide access from offsite areas to the river and single structures at the Property and on adjoining land. Mine facilities are located west of Mammoth and west of the Property and a "tramway" appears to connect the river and a mine facility. Other historical records indicate that a stamp mill was located at the river, and the tramway delivered ore to the mill (Section 4.4.6). Natural topography and drainages appear to be similar to current conditions.

The 1948 Mammoth 7.5-minute (1:24,000 scale) and Clark Ranch 7.5-minute (1:24,000 scale) quadrangles were combined to provide coverage of all of the Property. The tramway is no longer depicted. Improvements depicted include further growth of the Mammoth community including cemeteries, improvements to existing roads and new roads, telephone and pipelines, a tank that is near the center of the Property, and an artesian well near the center of the Property. Additional roads, wells and tanks and cleared area (that follows the configuration of the farm fields) indicate agricultural use at and in the vicinity of the Property.

The 1972 Holy Joe Peak 7.5-minute (1:24,000 scale), Lookout Mountain 7.5-minute (1:24,000 scale), Mammoth 7.5-minute (1:24,000 scale), and Clark Ranch 7.5-minute (1:24,000 scale) quadrangles were combined to provide coverage of all of the Property. These maps depict the Property in similar conditions to the 1948 map. Additional development outside of the Property includes a community and a new structure near the northern end of the Property, a trailer park near the southeast end of the Property, and continued expansion of Mammoth. Other changes to the surrounding area includes a railroad that runs west of the Property (San Manuel Arizona Railroad), likely associated with a nearby copper mine (San Manuel).

The 2014 Holy Joe Peak 7.5-minute (1:24,000 scale), Lookout Mountain 7.5-minute (1:24,000 scale), Mammoth 7.5-minute (1:24,000 scale), and Clark Ranch 7.5-minute (1:24,000 scale) quadrangles were combined to provide coverage of all of the Property. These maps depict the Property and surrounding area in generally similar conditions from the 1970s mapping except for further development of existing communities and roadways.

## 4.4.2. Historical Aerial Photographs

WestLand obtained historical aerial photographs depicting the Property and vicinity dating from 1945, 1956, 1977, 1983, 1996, 2003, and 2015 (**Appendix F**). These were reviewed at a scale of between 1" = 3266' and 1" = 6666'. WestLand reviewed the photographs for evidence of anthropomorphic disturbance and to identify any historical land uses that might have involved the use, treatment, storage, disposal, or generation of hazardous substances, or petroleum products.

The 1945 aerial photographs do not readily exhibit any developed features at the Property with the exception of two possible roads that run along the eastern and western edge of the vegetation at the Property, and a polygon of unnatural vegetation/cleared land that suggests use as agricultural fields. There is also a possible roadway just north of the polygon within the Property boundaries.

The 1956 aerial photographs exhibit development of a railroad that runs west of the Property from north to south. A housing development appears just outside the western edge of the Property near the middle of the Property's western boundary. Roadway development appears near the southeastern end of the polygon within the Property. A second polygon of suspected agricultural use appears located outside the eastern edge of the Property near the southern end of the Property boundaries.

The 1977 aerial photograph shows the Property in similar conditions to the prior photographs. Limited growth of Mammoth is visible to the west of the Property.

The 1983 aerial photograph shows the Property in similar conditions to the prior photograph with the exception of further land development near the north and south boundary and additional roadways.

The 1996 aerial photographs are a higher quality resolution than the prior photographs. Mammoth appears to have developed further including structures, ponds, roads, and cleared areas. The San Manuel Mine is apparent in this image, the nearest mine facility appears to be tailings impoundments located approximately one mile south of the Property. Tiger Mine is visible on this map; it is located nearly two miles west of the center of the Property.

The 2003 aerial photographs exhibit the Property in similar conditions to the prior photographs.

## 4.4.3. Property Tax Files

WestLand obtained the property tax maps and assessor detail available from the Pinal County Assessor website. The Property maps and assessor parcel details are included in **Appendix G**.

These maps show certain roadways at and in the vicinity of the Property, as well as mining claims in the vicinity. The majority of the land on the Property appears to be undeveloped open space, while the adjacent land west and south of the Property appears to be developed for commercial and residential use. The Property is currently considered vacant land with no assessed buildings.

#### 4.4.4. Local Street Directories

Based on the largely rural setting of the Property and the size of the Property, WestLand did not conduct a city directory search.

## 4.4.5. Sanborn Fire Insurance Maps

Sanborn Fire Insurance Maps typically cover development in the first half of the 20<sup>th</sup> century. Considering the lack of development at the Property, WestLand did not commission a search for these maps. It is likely no coverage for the Property is available in this area.

## 4.4.6. Other Historical Sources

## General Research on Mines in the Immediate Vicinity

WestLand reviewed data obtained from the US Geological Survey (2016) Mineral Resource Data System (MRDS), Arizona Geological Survey – Arizona Department of Mines and Mineral Resources (2017) and Mindat (2016) to obtain general information on the mines in the immediate vicinity of the Property. WestLand also conducted limited review of the large mine facilities located near the Property that were identified as an interest through topographic and aerial map review (Tiger Mine). Two mines were located at the Property through the EDR records search and one is within 0.25 mile of the Property. The following information includes summaries and excerpts taken from USGS MRDS (2016) and Mindat (2016).

Metro Materials Globe. The Metro Materials Globe record has no address, is identified as a non-coal mining facility, and no environmental information regarding this facility is provided in the EDR report besides the plotted location which is not always accurate in the absence of an address. Based on review of MRDS records for mine locations, this record is likely affiliated with Clarks Gravel Quarry/Clark's Trucking Company, Fred L. Clark Trucking Company and/or a sand and gravel pit in the immediate area. Mining records from the Arizona Geological Survey indicate this facility was a producer of silica/sand and gravel. Records indicate operations from 1973 to at least 2003. A review of aerials confirms the presence of material stockpiles along the San Pedro River. A sand and gravel operation does not generally warrant concern in connection to the known or suspected release of hazardous material or petroleum products.

<u>New NGC Incorporated</u>. The mine is identified near the northeastern boundary of the Property and is identified by its owner as New NGC Incorporated. The site identification (ID) numbers for this record are: Deposit ID 10060185 (Feldman and Winkelman Gypsum Pits) and Deposit ID 10210233 (Feldman Quarry) and MAS/MILS identification number 0040210049 (Feldman Quarry). Land status data for this mine reports private ownership under National Gypsum and The Superior Companies (USGS-MRDS 2016).

Mindat (2016) provides a summary for the Feldman and Winkelman Gypsum pits which indicates an existing surface mining operation where gypsum ore is drilled and blasted, then the broken gypsum is load and hauled to crushing plants. The operation is located in Sections 26, 27, and 28, Township 6 South, Range 16 East, about 3.25 miles south of Dudleyville, on the east side of the San Pedro River, about 8.5 miles south of Winkelman. This location is considered distant and downgradient from the Property. Mindat indicated that an exploration hole drilled to evaluate one of the deposits intersected a continuous 300-foot thick formation of interbedded clay and gypsum. Correlation with other drill holes suggests that the section of clay and gypsum may be more than 595 feet thick. North of Aravaipa Creek, massive gypsum with clay partings (30-50 feet thick) is being mined (Mindat 2016). There is no known or suspected release associated with this record.

St. Cloud Mining Company. This mine, the White Cliffs Mine, is reported on the Property as a past producer of diatomite, bentonite, and gypsum-anhydrite. The ID numbers for this record are: Deposit ID 10060239 and MRDS ID TC10208 (MRDST 2016). Ownership is currently listed as the University of Arizona and a chronological list of past ownership is as follows: White Cliffs Inc. (1989) and Arimetco International, Inc. (1992) (Mindat 2016).

Mindat (2016) identifies the White Cliffs Mine as a former surface gypsum and diatomaceous earth mine located in Sections 13 and 24, Township 9 South, Range 17 East, and in Sections 17-20, 29 and 30, Township 9 South, Range 18 East on the east bank of the San Pedro River about 2 miles downstream from Whitlock Wash. The mine property extends into Sections 17, 18, 20, 29 and 30, and into Sections 13 and 24, Township 9 South, Range 18 East. This facility is located several miles south

and east of the Property. The mine produced from the 1920's to 1940's. Mindat further notes that workings include many small quarries that were put in during the 1960's. Kaiser put in 12 drill holes in 1968 around the periphery of the deposit. Arimetco planned to begin production in February 1993. There is no known or suspected release of hazardous materials or petroleum products associated with this mine record.

Tiger Mine. William Ascarza published information on the Tiger Mine in the Arizona Daily Star in 2013 that used a variety of historical resources (Ascarza 2013). Tiger Mine is located southwest of Mammoth, and generally more than two miles west of the Property. Ascarza reports the town site of Tiger began in 1879. Years later, an ore body that became the Mammoth-St. Anthony Mine was discovered. A stamp mill was constructed along the San Pedro River, generally at the townsite of Mammoth, to increase water accessibility and by the early 1900s, an aerial tramway was established to supply the mill with ore from the mine. [This tramway is depicted on 1911 topographic map but gone by 1948]. Ascarza reports the mine produced a variety of metals from the 1880s to the 1950s including gold, molybdenum, vanadium, lead, silver, and zinc. The town site and surrounding mines were taken over by Magma Copper Co. in 1953. The town has disappeared, and the mines were flooded. Magma attempted to acquire gold and silver bearing silica flux at Tiger site for the San Manual smelter. As of 2013, the mine was owned by BHP Billiton and undergoing reclamation. Mine names include Mohawk, Collins, and Mammoth. Production is reported to have included 400,000 ounces of gold, 1 million ounces of silver, 3.5 million pounds of copper, 75 million pounds of lead, 50 million pounds of zinc, 6 million pounds of molybdenum oxide, and 2.5 million pounds of vanadium oxide.

During WestLand's review of MRSD records, it was noted the "Tiger Tailings Dump" also appeared to be plotted at the Property. However, through a more detailed records review of the USGS metadata, it was revealed this facility is actually located in Township 8 South, Range 16 East within Section 26; which is situated the other Tiger Mine affiliated records east of the Property and not at the Property.

## Other Land Use Historical Information

WestLand reviewed a recent cultural resource inventory report available for the Property which includes archaeological research and results of prior records searches (WestLand 2016). The historical map review for the cultural resource inventory report revealed numerous cultural resources within the Property. The review also revealed the long history of the area as a transportation corridor, and for ranching, and homesteading during the late nineteenth and twentieth centuries. The earliest maps of the Property, GLO plats from 1878, show the fledging transportation corridor in the San Pedro River Valley with a road following the base of the river terraces on the northeastern bank of this river. By this time, a few settlers had taken residence and further development of the Property continued during the early decades of the twentieth century. By the 1949, the road system has expanded to include the original route of AZ 77 (west of the Property), which utilized several preexisting road segments and a river crossing. The road system is shown as expanding to include access to several new ranching

features including a large tank, two wells and one 'Artesian Well (Hot).' While several structures shown on earlier maps are no longer depicted, new structures and utilities are shown, including an electrical transmission line, and a telephone line.

## 5. SITE RECONNAISSANCE

On January 7 and 8, 2016, WestLand environmental specialists Mr. Christopher Rife and Ms. Sarah Richman performed a field reconnaissance to assess existing environmental conditions for the Property.<sup>2</sup> Photographs documenting pertinent features are provided in **Appendix A**. The approximate photograph locations are shown in **Figure 3**.

#### 5.1. METHODOLOGY AND LIMITING CONDITIONS

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

During the site reconnaissance, WestLand evaluated the suspect areas of site disturbance through vehicular and pedestrian surveys. 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 historical review of the Property and surrounding properties.

WestLand's reconnaissance was limited to Resolution Copper-owned property accessible with permission of Resolution Copper and areas reached through publicly accessible detours from public roads. In all instances practicable, WestLand took the opportunity to visually inspect off-road areas throughout the Property. WestLand was provided with the combination to locks on gates along fence lines to access certain portions of the Property.

Due to the large amount of undeveloped land throughout the property, "spot-check" methodology was used to investigate the dense mesquite bosque of the San Pedro River Valley. Most likely, instances for wildcat dumping are thought to occur at reasonably accessible locations; hence the inspection of rural unpaved roads. Due to the size of the Property and obscurity presented by heavy vegetation in the bosques, it should not be assumed that all instances of wildcat dumping were observed during the onsite reconnaissance or noted herein.

Several improved (paved) and unimproved (dirt) public roads cross the Property. On the northeast side of the river, River Road is paved from its intersection with AZ 77 southeast through the Property and adjacent properties, turning to dirt farther southeast. Copper Creek Road crosses the Property from the northeast side of the river to Mammoth; it is paved except where it crosses the streambed.

<sup>&</sup>lt;sup>2</sup> A WestLand environmental specialist returned to the Property on April 4, 2017 after a wildcat dumping site on the west end of the Property (just east of the town of Mammoth), was cleaned up.

Camino Rio Road accesses the Property and adjacent parcels on the southwest side of the river northwest of Mammoth. A dirt road southeast of Mammoth, on the southwest side of the river, is depicted on maps but was reportedly abandoned years ago. Vestiges of this road are present in some locations along the Property. Numerous unimproved dirt roads and trails cross the property as well; these appear to have been formed by the general public as convenient access to the river or upland areas. Much of the Property is not fenced.

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

## 5.2. INDICATIONS OF PAST USES OF THE PROPERTY

The Property has historically been used for farming, grazing, hunting, and recreational activities. Physical evidence of past use of the Property includes wells, pipelines, and structures. A house, small adobe buildings, barns, and stockade fences, all of which have been abandoned, are evidence of past residential and ranching uses on the Property.

A portion of the Property was formerly cultivated from at least 1945 until at least the 1950s. Lead and arsenate (arsenic) pesticides and defoliants were historically used on certain crops in Arizona. It is unknown if routine agricultural application of pesticides has occurred on the Property, therefore, it is possible that pesticide residuals may be present in the formerly cultivated soils on the Property. During the site visit, WestLand did not observe any indication of bulk chemical storage areas or indications of pesticide spills, releases, or accumulations such as ground staining or discoloration near outbuildings and storage areas or low-lying drainage areas. The Property is currently being managed as open space. An on-site storage unit is used for the Property manager's gear. A 1.2-mile-long walking trail for public access is located on the Property south of Copper Creek Road. Recreational activities, such as ATV and four-wheel drive vehicle use occurs on the river bottom. A shooting range, managed by the Lions Club, is located on Copper Creek Road, approximately 0.1 mile east of South River Road. Based on interviews with the Property manager, we understand that this portion of land (an approximately 10-acre inholding including the shooting range and restroom facilities) is actually deeded to the Lion's Foundation and excluded from the Property. The Lion's Foundation has several grants with AGFD for managing the site. Based on interviews with the site manager, the shooting range has been used since at least 2000 and is used on a daily basis for practice shooting. The Lion's Club is reportedly a good neighbor and likely a good steward with the shooting range. Concerns associated with shooting ranges includes lead in soils from spent bullets. However, considering the shooting range is on adjoining land and is likely managed with good housekeeping practices, it is not considered an environmental concern for the Property.

During the site visit WestLand observed an advertisement for a mechanic, welding, and painting on adjoining Property (**Photograph 32**). This appeared to be a small-scale operation. Such operations likely use and dispose of petroleum products and solvents. Considering the small scale of the operation, the nature of potential pollutants, and that it is not located at the Property itself but several hundred feet from the Property on adjoining land, this finding is not considered a REC.

### **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. A shooting range and public toilet is located on a private inholding at the Property (on land immediately adjoining the Property). Shooting ranges are typically a concern due to the accumulation of lead in soils.

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

WestLand noted dried paint products in open 5-gallon containers, as well as various large appliances just south of East Copper Creek Road and east of the town of Mammoth. The appliances may contain Freon, though it is suspected that this would be found in *de minimis* quantities. The containers and appliances were no longer present on the Property as of April 2017; they had been removed as a good housekeeping measure (**Appendix A, Photographs 3 through 7**). A large piece of asbestos concrete pipe was observed on-site (**Appendix A, Photograph 28**). No other hazardous substances and petroleum product containers not in connection with identified uses were observed at the Property or on land immediately adjoining the Property.

# 5.3.3. Storage Tanks (Aboveground and Underground)

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

# 5.3.4. Unidentified Substance Containers

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

# 5.3.5. Drums

No drums were observed on the Property or on adjoining properties during the site reconnaissance.

#### 5.3.6. Odors

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

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

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

#### 5.3.8. Wastewater

No features associated with wastewater storage and disposal were observed on the Property during the site reconnaissance. Wastewater treatment pools are located on adjoining land to the south of a portion of the Property between Camino Rio Road and AZ 77.

# 5.3.9. Septic Systems

No septic systems were observed on the Property during the site reconnaissance. Nonetheless, it is possible that the abandoned structures had septic systems and that the systems remain on the site.

#### 5.3.10. Wells

One well was observed at the Property during the site visit (**Appendix A, Photograph 11**). Numerous wells are known to be present at the Property, some are monitored by the site manager.

# 5.3.11. Stained Soil or Pavement

A small spill (approximately 4-feet by 4-feet) of what appeared to be a petroleum product was observed at a wildcat dumping site on the west of the Property just east of the town of Mammoth. Given the small quantity of this release the stained soil is considered a *de minimis* condition. No other stained soil or pavement was observed on the Property or adjoining properties during the site reconnaissance.

#### 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.

Dumping or disposed material observed at the Property included a tire dump site of approximately 200 tires and a dump site with appliances, large metal structures, paint buckets, and various other metal and concrete material. The large wildcat dumping areas were on the western boundary of the site adjacent to the town of Mammoth. Based on interviews with the site manager, the large dump site was in the process of being cleaned up in cooperation with the Town of Mammoth following the first site visit. The disposed material observed at the large dump site was no longer present on the Property as of April 2017.

Other solid waste disposal throughout the majority of the site was minimal and limited to minor quantities of scattered inert solid waste (for examples see Appendix A, Photograph 9 and Photograph 10).

# 5.3.14. PCB Equipment

Historically, electrical transformers contained a cooling liquid that had PCBs. If present, electrical transformers or hydraulic equipment could provide the potential for release of PCBs onto the Property. In 1984, manufacturers began producing non-PCB transformers that contain less than 50 parts per million of PCBs.

A single-pole mount electric transformer was observed at the Property (**Appendix A, Photograph 19**). However, no other PCB equipment was observed at the Property and the transformer was observed to be in good condition.

#### **5.4. INTERIOR OBSERVATIONS**

A small structure adjacent to an abandoned barn (**Appendix A, Photograph 26**) was accessed via a wooden door. No hazardous materials or areas of concern were identified within the empty, abandoned structure. An additional structure (**Appendix A, Photograph 22**) was not accessed though it is associated with a former residence. Additionally, based on interviews with Ms. Celeste Andresen, it is unlikely there is hazardous materials or petroleum products stored at the Property.

# 6. INTERVIEWS

## **6.1. Interviews with Owner**

The Property is currently owned by Swift Current Land & Cattle LLC, a subsidiary of Resolution Copper. The report User is Resolution Copper who provided relevant information about the Property through completion of the User Questionnaire (**Appendix B**). Resolution Copper referred WestLand to the site manager for detailed questions regarding the Property.

### 6.2. INTERVIEWS WITH MANAGER/OCCUPANTS

On January 6, 2016, Ms. Celeste Andresen, an employee of The Nature Conservancy who manages the Property on behalf of Resolution Copper (the owner) completed an owner/operator/occupant questionnaire created by WestLand to provide relevant information for the Property that may inform RECs at the Property. Ms. Andresen has been working with The Nature Conservancy at the Property since 2009. She indicated areas where solid waste disposal has occurred, including the tire dump located on the western boundary of the Property. She also described structures located on the site which guided the areas of concern relative to this assessment that were targeted during the field assessment.

Ms. Andresen described the current use of the Property as open space and reported that grazing is not permitted. There is a public trail and the river bottom is often used by recreationalists but otherwise, use is restricted to wildlife research. She reports that past land owners included farmers and ranchers or owners who leased the Property for farming and ranching from 1900s to 1950s. The Property was owned by Magma Mining and BHP until the early 2000s when it was purchased by a subsidiary associated with Resolution Copper.

Ms. Andresen is not aware of any currently stored chemicals or petroleum products at the Property in containers larger than 5-gallons. She is not aware of any above ground storage tanks or underground storage tanks with any contents, or any vents suspected to be associated with underground storage tanks (the vents WestLand observed at the burnt house are likely associated with an exposed basement). She is not aware of any environmental cleanup liens, engineering controls, land use restrictions or institutional controls intended to reduce exposure to hazardous substances or petroleum products. She reports there are no pits/ponds/lagoons associated with waste disposal or treatment at the Property. She is not aware of any PCB equipment. She reports there is no known stained soil or pavement and no areas where vegetation is lacking suspected to be the result of a past release and no dirt fill from an unknown or contaminated origin. She reported no known odors likely to be associated with hazardous substances or petroleum products.

Ms. Andresen indicated that in 2006 or 2007 Resolution Copper completed a cleanup of the wetlands/artesian well and dump sites in the uplands of the Property, which may have included removal of chemical or petroleum products. This may have been used as a staging area for construction activities by the town and is adjacent to the Mammoth gravel yard.

She reports a septic system maybe present by the abandoned house at the Property. She also reported that it is possible trash dumps were buried at the Property and that could contain buried drums; though this is speculation regarding disposal of garbage. WestLand observed no indication of buried waste at this location during the site visit.

Based on the interview and documents provided by Ms. Andresen, there was a covenant (back to 1960) stating that Magma had a dump on the Property; however, this covenant incorrectly listed the township and range. The dump was actually on BHP property, not on this Property and the County recorder is in the process of updating the covenant.

There are likely several wells located at the Property. Two wells are monitored monthly by The Nature Conservancy. Two wells have been filled in. Three piezometers are present at the Property.

Responses to specific inquiries are included in **Appendix B**.

On September 16, 2016, Ms. Celeste Andresen was phone interviewed regarding the shooting range. She reported that the shooting range is managed by the Lions Club. This facility is located on Copper Creek Road, approximately 0.1 mile east of South River Road. She reported this approximately 10-acre inholding (including the shooting range and restroom facilities) is actually deeded to the Lion's Foundation and excluded from the Property. The Lion's Foundation has several grants with AGFD for managing the site. Based on interviews with the site manager, the shooting range has been used since at least 2000 and is used on a nearly daily basis for practice shooting. The Lion's Club is reportedly a good neighbor and likely a good steward with the shooting range. Concerns associated with shooting ranges includes lead on soils from spent bullets. However, considering the shooting range is on adjoining land and is likely managed with good housekeeping practices, it is not considered a REC for the Property.

Ms. Celeste Andresen reported that she is not aware of any former or current sand and gravel operations at the Property.

Ms. Celeste Andresen reported she uses a "mobile mini" container for storage of equipment at the Property but she is not aware of any storage of hazardous substances or petroleum products at the Property.

# 6.3. INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS

WestLand inquired to the Pinal Rural Fire Rescue regarding confirmation of their service area, and whether or not they have responded to the Property or adjoining properties with regard to fuel/chemical spills or if they were aware of any chemical or petroleum product storage at the Property. On June 27, 2016, Fire Chief Rod Prast reported that they have no knowledge of any such spills or storage.

# **6.4. INTERVIEWS WITH OTHERS**

No other individuals were interviewed as part of this investigation.

#### 7. FINDINGS AND OPINIONS

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

Environmental Liens/Activity and Use Limitations. There are no known environmental liens or Activity and Use Limitations (AULs) associated with the Property; however, a search for environmental liens and AULs was not conducted by a title professional for this assessment. These searches are separately conducted for each assessor parcel number. There are 20 parcels that comprise the Property. Due to the expense of commissioning this search, it is assumed that this search will be commissioned by Resolution Copper at a later date, to reduce costs by not running these reports several times. A supplement to this report can be provided to address this requirement once the search is completed.

The report User provided copies of title information (exclusive of any environmental lien or AUL information that may exist) in connection to the Property including Commitment of Title Insurance and a list of Schedule B items (dated March 26, 2004) that lists title insurance exceptions at a certain point in time, including easements, rights-of-way, and other restrictions. None of the information in the provided title documents appear to indicate a use or identified condition that immediately suggests known contamination at the Property.

#### Records Review.

Environmental Records. WestLand contracted with Environmental Data Resources, Inc. (EDR) to conduct an electronic search of regulatory agency databases for references to the Property and surrounding lands. The database search was conducted on February 4, 2016, and included standard and additional federal, tribal, state, local, and supplemental database records, as well as EDR proprietary database records. Several sites of interest were identified within the searched distance from the Property, and a detailed REC evaluation was conducted for each in **Table 1** (Section 4.1). Those sites that indicate a REC for the Property are listed below:

• Phoenix Fuel – River Road and HWY 77/Clark Pit #1 in Mammoth. A spill of diesel was reported from two tanks at this site in 1994 in the amount of 2,500 gallons. The location information for this spill indicates it occurred on the east bank of the San Pedro and near what was likely a sand and gravel pit for Clarks Gravel Quarry/Clark's Trucking Company (the exact location is not known). While it is likely that this spill was remediated as it was reported to an agency, there is no indication with the record that it was addressed. Considering the release occurred at the Property boundary, there is potential that this release impacted soils at the Property and is therefore considered a REC. Additional investigation of the spill record could reveal the precise location of the spill and any follow-up cleanup activities.

- Town of Mammoth-Cielo WWTP. This facility has a surface water discharge permit and APP. The Town of Mammoth operates a wastewater treatment facility under APP Number P-101690. The Town of Mammoth also has an APP (P-105647) and an AZPDES Permit (AZ0025470) for the Cielo Wastewater Treatment Plant. An APP permit is required for operations of a facility that discharges a pollutant either directly to an aquifer, 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. Considering this facility is located directly upgradient of portions of the Property in terms of groundwater flow, it is possible that this facility would impact the Property. The facility also permitted as an AZPDES, Individual Permit, Minor WWTP Facility. The WWTP is authorized to discharge to ephemeral washes tributary to San Pedro on land adjoining the Property. The known release of pollutants directly upgradient of the Property is considered a REC.
- Pinal APN# 306-13-121. This record refers to one leaking underground tank with unknown
  or undefined soil contamination in 2014 and four underground storage tanks that were
  permanently closed in 2014. Considering the LUST record appears to still be an open case and
  the site is located less than 0.25 mile upgradient of portions of the Property, this record is
  considered a REC.
- 221 Main Street. This record refers to a dry-cleaning facility on land adjoining the Property. The TLC Laundry -Tender Laundry Care facility record is from 2008. This dry cleaner was located approximately 0.1 miles west of the Property. Dry cleaning operations typically used chlorinated hydrocarbon solvents including perchloroethylene (AKA tetrachloroethylene, perc, PCE). Affected soils are usually confined to the original release site, but chlorinated solvents may migrate to impact groundwater. Considering the proximity of the site to the Property and the high potential for transmissivity of the chemicals associated with dry-cleaning in groundwater, this record is considered a REC.

The EDR Orphan Summary list included in the EDR report identifies 27 records associated with unmappable sites ("orphan" sites) in the vicinity of the Property (in Mammoth, Pinal County, and San Manuel). These sites are unmappable due to inadequate information about their location. Based on WestLand's research of this list, these sites would likely not indicate an environmental concern for the Property due to the nature of the listings and/or their distance from the Property (greater than 1 mile). It was noted several records on this list are associated with the San Manuel Mine, with its facilities generally between 1 and 6 miles south, and upgradient to the Property in terms of ground and surface water flow direction.

<u>Prior Phase I ESA</u>. A Phase I ESA of the Property was conducted by WestLand in July of 2003 (WestLand 2003a). The 2003 Phase I ESA concluded that there were not any RECs for the Property

and that soil staining and wildcat dumping were the only housekeeping issues identified for the Property.

<u>Physical Setting</u>. The Lower San Pedro River parcel is located within the Basin and Range physiographic province. The province is characterized by elongated mountain ranges trending northwest-southeast, separated by broad alluvial valleys. The Property is located within one of the broad alluvial valleys of the Galiuro Mountains to the east and Santa Catalina Mountains to the south. Elevations range from 2,600 feet amsl atop a bluff at the southwestern most corner of the Property sloping gradually towards 2,300 feet amsl at the northern boundary. The Property is generally undisturbed river bottom land (stream channel plus overbanks) and upland areas on bluffs on the north side of the river. The dominant landscape features within the Property are the mesoriparian and hydroriparian habitats that line the river corridor. A mesquite bosque stretches for approximately 2.8 miles on the east side of the San Pedro River in the center of the Property. The Property is largely composed of soil complexes that are generally well-drained and occurs on fan terraces, floodplains, and channels.

The Property is located in the northern portion of the Lower San Pedro River surface water basin (Hydrologic Unit Code [HUC] 15050203) and includes portions of the river itself, the adjoining floodplain, and adjacent upland areas. The northern boundary of the parcel is approximately 20 miles upstream from the San Pedro's confluence with the Gila River. Through the Property, flow in the river is ephemeral to intermittent (WestLand 2003a, 2003b).

The San Pedro River at the Property occurs within the Peppersauce Wash to Aravaipa Creek segment identified as a unit assessed for surface water quality by ADEQ (Reach ID 15050203-003) (ADEQ 2016). Designated uses for the San Pedro River through the Property include Fish Consumption, Full Body Contact, Agricultural Livestock Watering, and Aquatic and Wildlife (warm water) (A.A.C. Title 18, Chapter 11; ADEQ 2016). The most recent data available show that in 2012, ADEQ identified this reach as "inconclusive" (Category 3) regarding attainment of water quality standards for designated uses; additional sampling has been recommended for certain exceedances noted in samples collected in 2008 and 2010 (ADEQ 2016). Several segments of the San Pedro Watershed are identified as impaired for e. coli and copper on the 303(d) List of Impaired Waters, but the current list does not identify the segment at the Property. In 2013, a downstream segment of the San Pedro (Aravaipa Creek to Gila River) was recognized due to *E. Coli* conditions resulting from stormwater runoff and a Total Maximum Daily Load Analysis (TMDL) was completed in 2013 (ADEQ 2016).

The Property is located within the Mammoth sub-basin within the larger Lower San Pedro groundwater basin (ADWR 2014). In this region, the groundwater flow direction is from the mountains toward the valley floor of the San Pedro River and associated pumping centers. The ADWR Well Registry spatial database was queried to review any data for wells within the boundaries of the Property. There are 22 registered wells within the Property (ADWR 2014). These well data indicate that water levels are very shallow at less than 60 feet below the ground surface. Two wells onsite that

are monitored by The Nature Conservancy indicate that groundwater levels were less than 35 feet below the ground surface during the monitoring period of January to October 2010 (The Nature Conservancy 2010).

According to a baseline study conducted by ADEQ in 2000, the water from the artesian aquifers is suitable for domestic and irrigation purposes in the southern portion of the basin. However, groundwater found near the town of Mammoth has high sulfate and sodium concentrations. Additionally, high fluoride concentrations that exceed water quality standards are present in this region. The floodplain aquifer that is found in close association with the major waterways is considered to be a chemically-open hydrologic system. Finally, the ground water collected from the unconfined basin-fill aquifer and from hard rock areas has the fewest water quality standard exceedances (ADEQ 2002).

According to ADWR (2009), groundwater water quality data from selected sites within Lower San Pedro Groundwater Basin in the vicinity of the Property show that fluoride and arsenic were the parameters that most frequently exceeded drinking water standards, based on four wells within the same township, range, and section as the Property. It is possible the groundwater under Property has an elevated level of fluoride exceeding its current drinking water standard of 4 mg/L and arsenic exceeding its current drinking water standard of 0.010 parts per million.

<u>Historical Use.</u> The Property's use includes open space, research and former residential and agricultural uses (abandoned structures and corrals). Evidence of recreational use of vehicles can be seen in the riverbed on the Property.

The Property was formerly cultivated from at least 1945 until at least the 1950s. Lead and arsenate (arsenic) pesticides and defoliants were historically used on certain crops in Arizona. It is unknown if routine agricultural application of pesticides has occurred on the Property, therefore, it is possible that pesticide residuals may be present in the formerly cultivated soils on the Property. During the site visit, WestLand did not observe any indication of bulk chemical storage areas or indications of pesticide spills, releases, or accumulations such as ground staining or discoloration near outbuildings and storage areas or low-lying drainage areas.

Highlights from review of historical topographic and aerial maps indicate several mining and sand and gravel operations in the vicinity of the Property including San Manual Mine to the south, Tiger Mine, located more than 2 miles west, and various mine prospects. A stamp mill was constructed along the San Pedro River (generally at the town site of Mammoth and less than 0.5 mile from the Property) to increase water accessibility to Tiger Mine and by the early 1900s, an aerial tramway was established to supply the mill with ore from the mine. [This tramway is depicted on 1911 topographic map but removed by 1948]. That mine produced a variety of metals from the 1880s to the 1950s including gold, molybdenum, vanadium, lead, silver and zinc. It is possible mineral processing occurred on

adjoining land in connection with the stamp mill. General long-term mining exploration and processing in the area is well known.

The town of Mammoth, generally west of the Property along the west boundary, has grown from a small town with municipal buildings and a cemetery to numerous residences, businesses and utilities including a waste water treatment facility.

Site Reconnaissance. On January 7 and 8, 2016, WestLand environmental specialists performed a field reconnaissance to assess existing environmental conditions for the Property. Field observations were consistent with the findings of WestLand's historical review of and interviews about the Property and surrounding properties. Due to the large amount of undeveloped land throughout the property, "spot-check" methodology was used to investigate the Property, based on accessibility and locations of interest noted in aerial photographs and topographic maps. Most likely, instances for wildcat dumping are thought to occur at reasonably accessible locations; hence the inspection of rural unpaved roads. Due to the size of the Property and obscurity presented by heavy vegetation in the bosques, it should not be assumed that all instances of wildcat dumping were observed during the onsite reconnaissance or noted herein.

During the site visit WestLand observed an advertisement for a mechanic, welding, and painting on adjoining Property (**Photograph 32**). This appeared to be a small-scale operation. Such operations likely use and dispose of petroleum products and solvents. Considering the small scale of the operation, the nature of potential pollutants, and that it is not located at the Property itself but several hundred feet from the Property on adjoining land, this finding is not considered a REC.

The Property has historically been used for farming, grazing, hunting, and recreational activities. Physical evidence of past use of the Property includes wells, pipelines, and various structures. A house, adobe buildings, barns, and stockade fences, all of which have been abandoned, are evidence of past residential and ranching uses on the Property. The Property is being managed as open space by the Nature Conservancy on behalf of the current owner. An on-site storage unit is used for the Property manager's gear.

A 1.2-mile long trail for public access is located on the Property south of Copper Creek Road. Recreational activities, such as ATV and four-wheel drive vehicle use occurs on the river bottom. A shooting range, managed by the Lions Club, is located on Copper Creek Road, approximately 0.1 mile east of South River Road. Based on interviews with the Property manager, we understand that this portion of land (an approximately 10-acre inholding including the shooting range and restroom facilities) has been deeded to the Lion's Foundation and excluded from the Property. The Lion's Foundation has several grants with AGFD for managing the site. Based on interviews with the site

\_

<sup>&</sup>lt;sup>3</sup> A WestLand environmental specialist returned to the Property on April 4, 2017 to assess the environmental conditions after a wildcat dumping site on the west end of the Property, just east of the town of Mammoth, was cleaned up.

manager, the shooting range has been used since at least 2000 and is used on a daily basis for practice shooting. The Lion's Club is reportedly a good neighbor and likely a good steward with the shooting range. Concerns associated with shooting ranges includes lead on soils from spent bullets. However, considering the shooting range is on adjoining land and is likely managed with good housekeeping practices, it is not considered a REC for the Property.

WestLand noted dried paint products in open 5-gallon containers, as well as various large appliances just south of East Copper Creek Road and east of the town of Mammoth. The containers and appliances were no longer present on the Property as of April 2017. A large piece of concrete-asbestos pipe was observed on-site and may contain transite. Transite is an asbestos containing material and could be friable; therefore, this substance is considered to be hazardous. The transite is considered a de minimis condition. No other hazardous substances and petroleum product containers not in connection with identified uses were observed at the Property or on land immediately adjoining the Property during the site visits.

No septic systems were observed on the Property during the site reconnaissance. Nonetheless, it is possible that the abandoned structures had septic systems and that the systems remain on the site. Such septic systems, if present, are likely associated with residential use and are not considered a REC.

A small spill (approximately 4-feet by 4-feet) of what appeared to be a construction-related product was observed at a wildcat dumping site on the west of the Property just east of the town of Mammoth. Given the small quantity of this release, the stained soil is considered a *de minimis* condition. No other stained soil or pavement was observed on the Property or adjoining properties during the site reconnaissance.

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

- The report User: Ms. Casey McKeon, representative for Resolution Copper,
- Property Manager: Ms. Celeste Andresen, an employee of The Nature Conservancy, and
- Government officials: Fire Chief Rod Prast with Pinal Rural Fire Rescue.

The User reported that wildcat dump cleanups occurred soon after Resolution Copper acquired the Property. Several hundred tons of non-hazardous trash were removed. The User reported that the site has been used for agricultural: growing crops, raising farm animals, and some grazing and that herbicides and/or insecticides may have been used during this time. No other commonly known or reasonably ascertainable information relevant to potential RECs was provided by the User.

Ms. Andresen described the current use of the Property as open space and reported that grazing is not permitted. There is a public trail and the river bottom is often used by recreationalists but otherwise, use is restricted to wildlife research. She reports that past land owners included farmers

who leased the Property for farming and ranching from 1900s to 1950s. The Property was owned by Magma Mining and BHP until the early 2000s when it was purchased by a subsidiary associated with Resolution Copper.

Ms. Andresen is not aware of any currently stored chemicals or petroleum products at the Property in containers larger than 5 gallons. She is not aware of any above ground storage tanks or underground storage tanks with any contents, or any vents suspected to be associated with underground storage tanks (the vents WestLand observed at the burnt house are likely associated with an exposed basement). She is not aware of any environmental cleanup liens, engineering controls, land use restrictions or institutional controls intended to reduce exposure to hazardous substances or petroleum products. She reports there are no pits/ponds/lagoons associated with waste disposal or treatment at the Property. She is not aware of any PCB equipment. She reports there is no known stained soil or pavement and no areas where vegetation is lacking suspected to be the result of a past release and no dirt fill from an unknown or contaminated origin. There were no known odors reported that are likely to be associated with hazardous substances or petroleum products.

Ms. Andresen indicated that in 2006 or 2007 Resolution Copper completed a cleanup of the wetlands/artesian well and dump sites in the uplands of the Property, which may have included removal of chemical or petroleum products. This may have been used as a staging area and is adjacent to the Mammoth gravel yard.

She reported that it is possible trash dumps were buried at the Property and that could contain drums. WestLand considers it unlikely that fuel was buried with regular refuse at the Property.

Based on the interview and documents provided by Ms. Andresen, there was a covenant (back to 1960) stating that Magma had a dump on the Property; however, this covenant incorrectly listed the township and range. The dump was actually on property currently owned by BHP, not on this Property and the County recorder is in the process of updating the covenant.

Fire Chief Rod Prast reported that they have no knowledge of any spills or storage of hazardous materials of petroleum products at or in the immediate vicinity of the Property.

#### 8. CONCLUSION

WestLand has performed this Phase I ESA in conformance with the scope and limitation of ASTM E 2247-08 for the Property. This assessment has revealed no evidence of REC in connections with the Property except:

- There is a known fuel release associated with Phoenix Fuel at River Road and HWY 77, generally at the northeast Property boundary. There is no indication this release of 2-2500 gallons was cleaned up. While it is likely this was remediated since it was reported to a government agency, additional information for this record should be obtained to determine if this release was cleaned up. Additional records review may inform if this record is an environmental liability for the Property.
- A leaking underground storage tank is located at Pinal County assessor parcel number 306-13-121, on land immediately upgradient from the Property. There is no indication that this record has been closed. Additional records review may inform if this record is an environmental liability for the Property.
- The Town of Mammoth operates a WWTP and maintains both an aquifer protection permit and AZPDES permit. This facility has permits to discharge pollutants to the aquifer and surface water immediately upstream of the Property. While this is a permitted condition, it is also considered a REC.
- A dry-cleaning operation was located at 221 Main Street on land directly upgradient of the Property. Dry cleaning operations typically use chlorinated hydrocarbon solvents. Affected soils are usually confined to the original release site, but chlorinated solvents may migrate to impact groundwater. Considering the proximity of the record to the Property and the high potential for transmissivity of the chemicals associated with dry-cleaning in groundwater, this record is considered a REC.
- ADEQ classifies this reach of the San Pedro River as "inconclusive" regarding attainment of
  water quality standards for designated uses as several exceedances were recorded. Future
  ADEQ monitoring recommendations for this segment of the river include arsenic, chromium,
  lead, dissolved oxygen, copper, E. coli, sediment, and selenium due to exceedances (ADEQ
  2016).
- A portion of the Property was formerly cultivated from at least 1945 until at least the 1950s. Lead and arsenate (arsenic) pesticides and defoliants were historically used on certain crops in Arizona. It is unknown if routine agricultural application of pesticides has occurred on the Property, therefore, it is possible that pesticide residuals (chlorinated pesticides, arsenic and lead) may be present in the formerly cultivated soils on the Property.

• Some wells in the vicinity of the Property contain high sulfate, sodium, arsenic and/or fluoride concentrations. There is potential for regional groundwater contamination above safe drinking water levels in aquifers under the Property due to naturally occurring constituents and/or resulting from anthropogenic impacts in the area (industry/mining/agriculture).

Additionally, WestLand recommends that all areas of wildcat dumping, while not a REC, should be cleaned up and disposed of properly.

#### 9. DEVIATIONS

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

- An additional structure (**Photograph 22**) located near the abandoned residence was not entered. Considering this structure is associated with a former residence/ranch, it is unlikely there is hazardous materials or petroleum products stored there.
- The Property has 20 assessor parcel numbers, thus the cost for commissioning a title professional to search for environmental liens and activity and use limitation is high compared to the cost for the Phase I ESA. Readily-available title information reviewed for the Property including county tax records and a title report did not indicate uses or other conditions indicative of a REC. However, the known use of the Property, combined with the results of the government records search do not readily indicate any concerns with title issues in connection to contamination. WestLand does not consider this to be a significant data gap. A search for environmental liens and AULs could be conducted when this report is updated to limit the cost of the Phase I ESA costs associated with a land transaction.

There were no data gaps or data failures and/or limitations likely to affect the conclusions regarding the identification of RECs for the Property (site access limitations, physical obstructions to observations, outstanding information requests, historical data failure, etc.). Considering the known history of the site and results of our site reconnaissance and other completed research, this assessment is considered complete.

# **10. ADDITIONAL SERVICES**

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

# II. QUALIFICATIONS AND SIGNATURE OF ENVIRONMENTAL PROFESSIONALS

Mr. Mark F. Taylor, P.E. believes that, to the best of his professional knowledge, he meets the definition of "environmental professional" as defined in §312.10 of 40 CFR 312. 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 ESA. Mr. Chris Rife and Ms. Sarah Richman conducted the site reconnaissance. Ms. Richman and Ms. Diana Sandoval conducted the interviews, regulatory inquiries, and historical research. Mr. Rife and Ms. Sandoval 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. Résumés for the key individuals participating in the preparation of this report are provided in **Appendix H.** 

Mille	
fred 1- 1 gm	11/17/2017
Mr. Mark F. Taylor, P.E.	Date

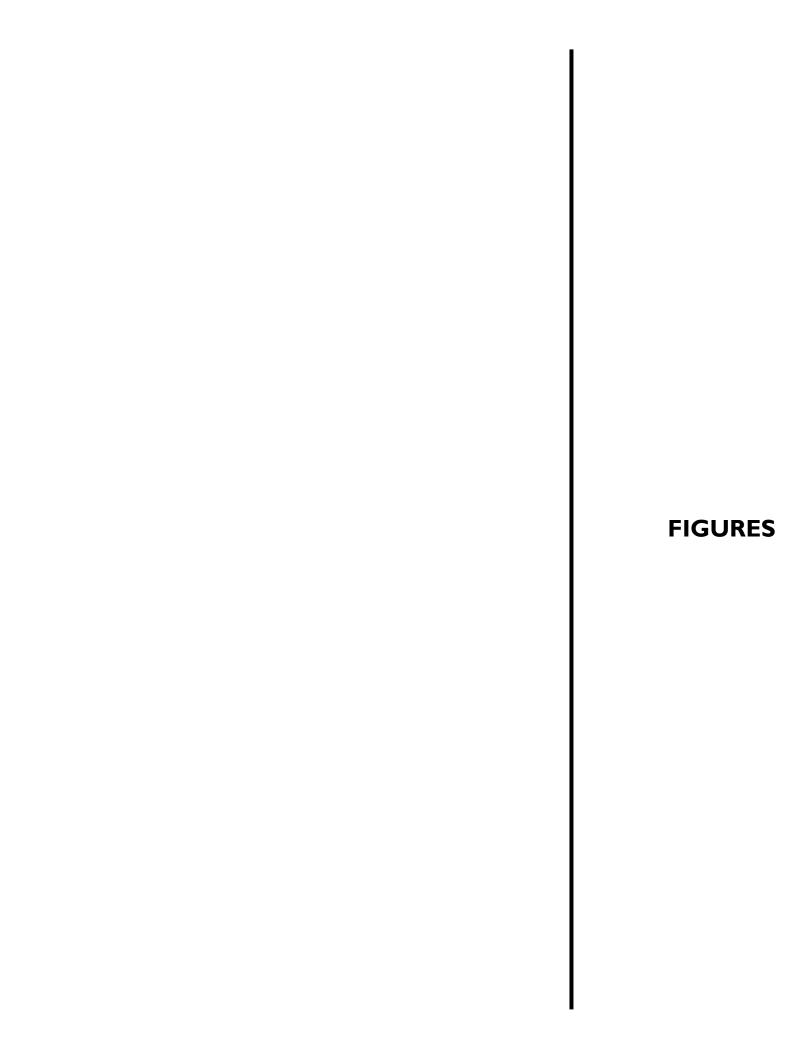
#### 12. REFERENCES

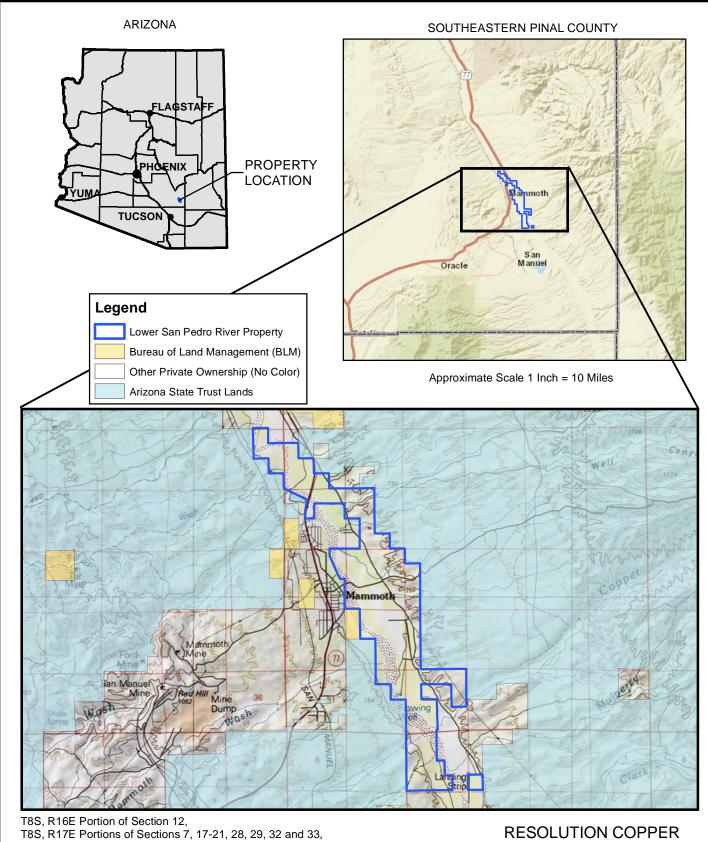
- American Society for Testing and Materials (ASTM), Standard Practice for Environmental Site Assessments:

  Phase I Environmental Site Assessment Process for Forestland or Rural Property (ASTM E 2247-08),
  2008.
- Arizona Department of Environmental Quality. (ADEQ). 2002. Ambient Groundwater Quality of the Lower San Pedro Basin: A 2000 Baseline Study.
- \_\_\_\_\_. 2016. Water Quality in Arizona 305(b) Assessment Report. 2012/14 Status of Water Quality in Arizona 305(b) Assessment Report. Revised on June 20, 2016. Available at: http://www.azdeq.gov/node/1224. Accessed in September 2016.
- Arizona Department of Water Resources (ADWR). 2009. Arizona Water Atlas Volume 3, Southeastern Arizona Planning Area June 2009

  http://www.azwater.gov/azdwr/statewideplanning/wateratlas/searizona/documents/Vol\_3\_LSP\_final.pdf
- \_\_\_\_\_. 2014. Groundwater Hydrology of the Salt River Basin. Online data retrieved at: http://www.azwater.gov/AzDWR/StatewidePlanning/WaterAtlas/CentralHighlands/Hydrology/SaltRiver.htm. Updated March 27, 2014. Accessed March 12, 2015.
- \_\_\_\_\_. 2016 Well Registry Information. Online data retrieved at https://gisweb.azwater.gov/WellRegistry/. Accessed June 2016
- Arizona Geological Survey 2017. Arizona Department of Mines and Mineral Resources Mining Collection. Available at: http://docs.azgs.az.gov/OnlineAccessMineFiles/C-F/ClarksgravelquarryPinal563.pdf. Accessed September 2017.
- Ascarza, William. 2013. Arizona Daily Star. Mine Tales Tiger Mines Once Thrived Near Today's Mammoth. Printed June 10, 2013. Available at: http://tucson.com/news/local/tiger-mines-once-thrived-near-today-s-mammoth/article\_8ec866a7-622f-55c1-b8ae-2ad8c0c38918.html. Accessed on September 14, 2016.
- Environmental Protection Agency (EPA), Standards and Practices for All Appropriate Inquiries (40 CFR Part 312); final rule, 2005.
- Federal Emergency Management Agency (FEMA). 2015. FEMA Flood Hazard Zones. Online data retrieved at: https://hazards.fema.gov/gis/nfhl/service. Accessed 2015.

- Mindat.org. 2016. Mineral and locality database. Available at http://www.mindat.org/. Accessed September 16, 2016.
- Richard, S.M., S.J. Reynolds, J.E. Spencer, and P.A. Pearthree. 2000. Geologic Map of Arizona: Arizona Geologic Survey Digital map DGM-17, scale 1:1,000,000, with 5 p. text.
- Soil Survey Staff. 2015. Natural Resources Conservation Service, United States Department of Agriculture. Web Soil Survey. Online data retrieved at http://websoilsurvey.nrcs.usda.gov/on March 11, 2015.
- The Nature Conservancy in Arizona. 2010. Management Plan for the 7B Ranch. December 2010.
- U.S. Fish and Wildlife Service (USFWS) 2015. National Wetland Inventory. Digital Data. Online data retrieved at http://www.fws.gov/wetlands/Data/Mapper.html on March 12, 2015.
- U.S. Geological Survey Mineral Resource Data System (USGS-MRDS). Mineral Resources On-Line Spatial Data. http://mrdata.usgs.gov/mrds/. Accessed in September 2016 and September 2017.
- WestLand Resources, Inc. 2004. Wetlands and Floodplains Report. Prepared for Resolution Copper Company. October 2004.
  \_\_\_\_\_\_. 2003a. Phase 1 Environmental Site Assessment 3,500-acre San Pedro River Site, Pinal County, Arizona. Prepared for Resolution Copper Company. July 2003.
  \_\_\_\_\_\_. 2003b. Ecological Overview: San Pedro River Parcel Pinal County, Arizona. Prepared for Resolution Copper Company. September 10, 2003.





T9S, R17E Portions of Sections 3 and 4

Pinal County, Arizona

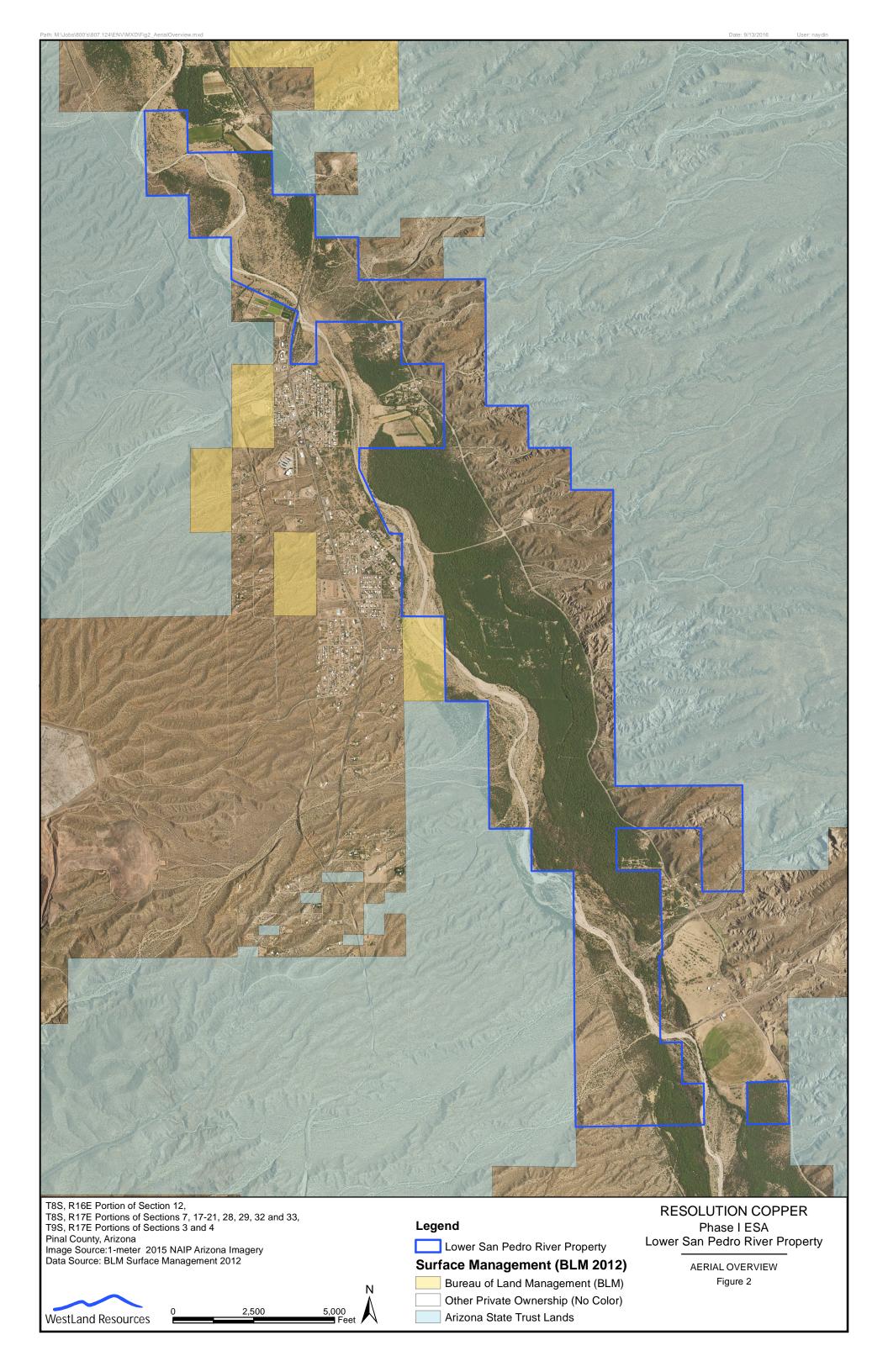
Image Source: Mammoth 1:100,000 USGS Quadrangle Data Source: BLM Surface Management 2012

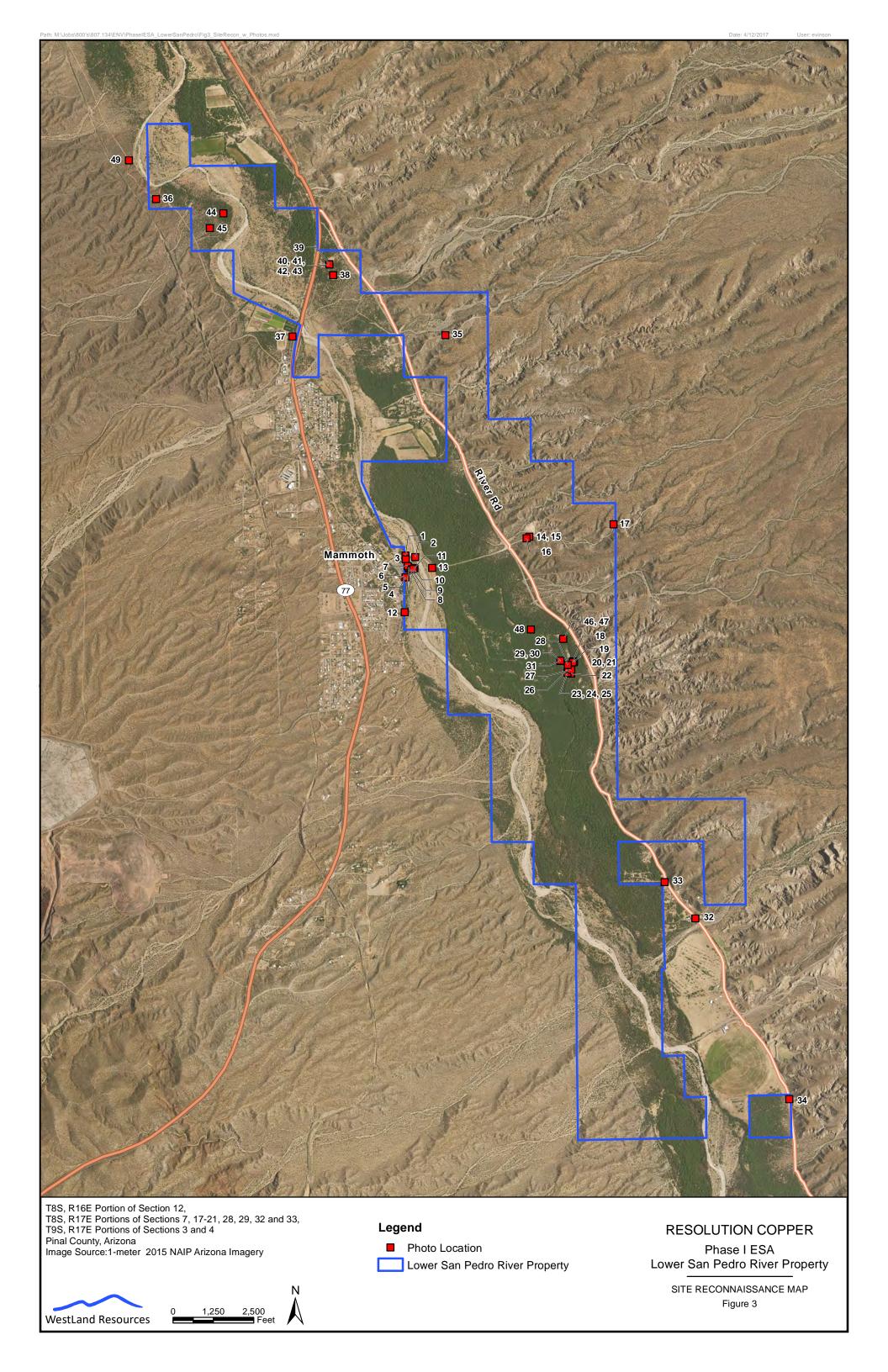


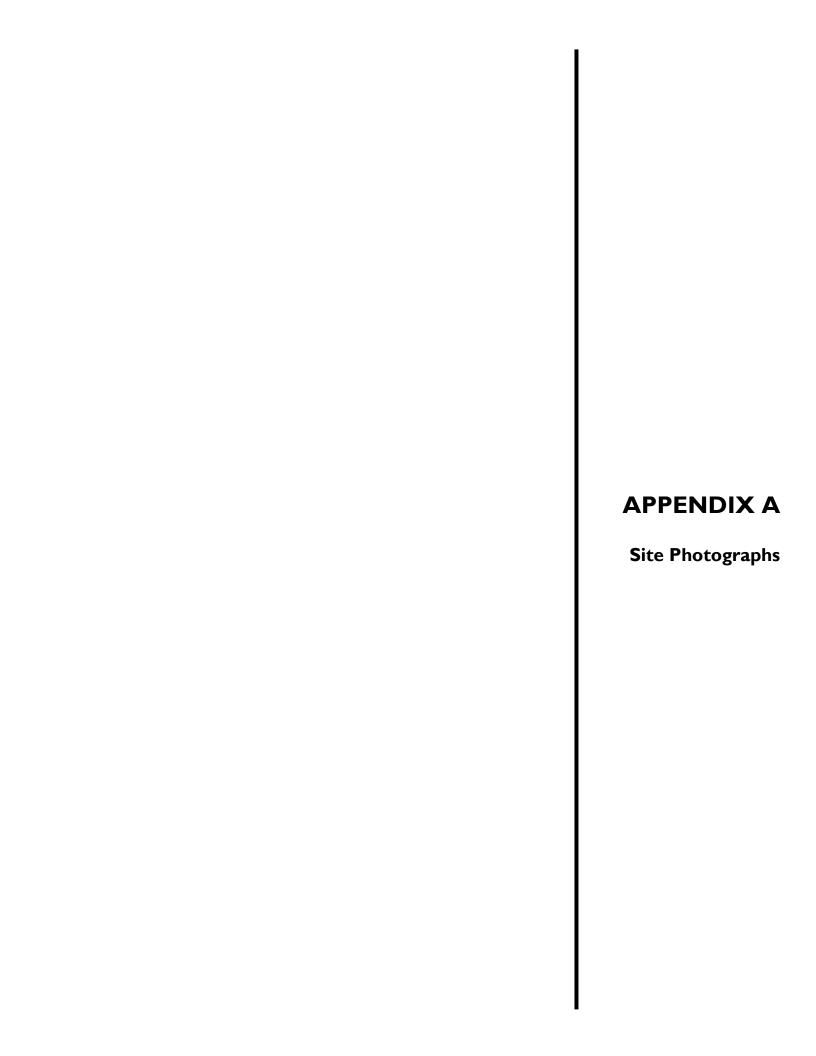


Phase I ESA
Lower San Pedro River Property

VICINITY MAP Figure 1









**Photo 1.** Entering Property on Copper Creek Rd. from Mammoth. Facing east at San Pedro River.



**Photo 3.** Facing south from top of berm parallel to Copper Creek Road.



**Photo 2.** Looking upstream from Copper Creek Rd. along the San Pedro River.



**Photo 4.** Facing south toward berm parallel to Copper Creek Road.





**Photo 5.** Facing southwest toward Town of Mammoth. Orange fencing delineates Property line.



**Photo 7.** Facing east toward the center of the Property. A single tire visible on the berm.



**Photo 6.** Additional view facing northwest toward dump site in Town of Mammoth.



**Photo 8.** Close-up of small inert solid waste debris including pieces of glass and plastic.





Photo 9. Non-hazardous solid waste including wood debris.



Photo 11. Well casing.



**Photo 10.** Non-hazardous solid waste including wood debris facing west from bottom of berm.



Photo 12. Rock gabion berm.





Photo 13. Trailhead marker.



**Photo 15.** Lion's Club shooting range located on adjoining property.



**Photo 14.** Lion's Club shooting range located on adjoining property; located on 10-acre inholding is excluded from the Property.



**Photo 16.** Lion's Club shooting range outhouse on adjoining property.





**Photo 17.** Roadway along the east Property boundary.



Photo 19. Single-pole mount transformer.



**Photo 18.** Corral type structure with pipe coming out of ground and wires (electric fencing).



Photo 20. Cement walkway next to corral.

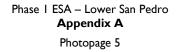






Photo 21. Pipe/vent near walkway, likely associated with basement.



Photo 23. Abandoned wood and tin barn.



Photo 22. Adobe building.



Photo 24. Interior of barn.





Photo 25. Drainage from rainwater along dirt road.



Photo 27. Water tank.



**Photo 26.** Exterior of wood structure.



Photo 28. Asbestos concrete pipe.

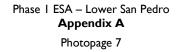






Photo 29. Abandoned brick house.



**Photo 31.** Close-up of floor and burnt materials at the abandoned house.



Photo 30. Abandoned brick house.



**Photo 32.** Private property on adjoining land across a roadway advertising mechanic, welding, and paint services.





Photo 33. Adjoining property looking northeast.



Photo 35. View from utility road.



**Photo 34.** Northeast corner of the southeast portion of Property not continuous to larger Property.



**Photo 36.** Dispersed inherit litter road/path.





**Photo 37.** Wastewater treatment ponds on adjoining land to the west (upgradient).



Photo 39. Watering trough.



Photo 38. Remnants of a structure foundation.



Photo 40. Wooden corral.





Photo 41. Wooden corral.



Photo 43. Metal corral piece.



Photo 42. Watering trough.



Photo 44. Watering trough.





Photo 45. Discarded car battery.



**Photo 47.** Holes in ground, suspected to have resulted from subsidence; no evidence of buried debris was visible.



**Photo 46.** Holes in ground, suspected to have resulted from subsidence; no evidence of buried debris visible.



Photo 48. Open space and a former roadway.

Phase I ESA – Lower San Pedro
Appendix A
Photopage 12

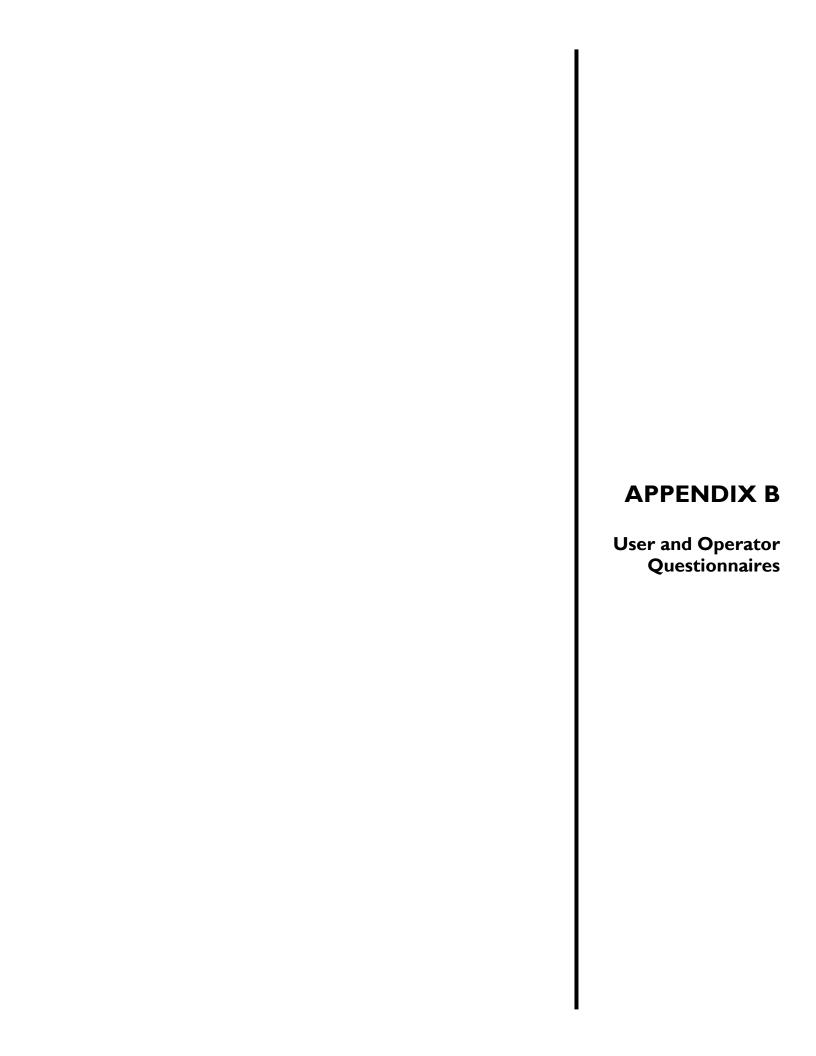




**Photo 49.** Overview looking toward the northern boundary of the Property.



Phase I ESA – Lower San Pedro
Appendix A
Photopage 13



# ASTM E 1527-13 & 2247-08

# **USER QUESTIONNAIRE**

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the user must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

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

Are you aware of any environmental cleanup liens against the *property* that are filed or recorded under federal, tribal, state or local law? No

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

Are you aware of any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law? No

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

As the user of this ESA do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the *property* or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business? Yes; see number 5 for additional information

# (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*? N/A

# (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*? Yes, agricultural: growing crops, raising farm animals, and some grazing.
- (b.) Do you know of specific chemicals that are present or once were present at the *property*? No, although it is possible that herbicides and / or insecticides were used while the land was being farmed.
- (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*? Yes. Wildcat dump cleanups occurred soon after acquiring the property. Several hundred tons of non-hazardous trash were removed.

# (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*? Besides some old large mine tires, near the west side of the property along Copper Creek road, no.

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

- (a) The reason why the Phase I is required. Support of the land exchange between the US and Resolution Copper Mining
- (b) The type of *property* and type of *property* transaction, for example, sale, purchase, exchange, etc. Exchange
- (c) The complete and correct address for the *property* (a map or other documentation showing *property* location and boundaries is helpful). Not needed for this questionnaire
- (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 Mining
- (f) Identification of the site contact and how the contact can be reached. Are there previous site contacts that should be interviewed? Celeste Andresen (520) 609-3420
- (g) Any special terms and conditions which must be agreed upon by the environmental professional. N/A
- (h) Any other knowledge or experience with the *property* that may be pertinent to the environmental professional (for example, copies of any available prior environmental site assessment reports, documents, correspondence, etc., concerning the *property* and its environmental condition). N/A

USER NAME & FIRM: Ms. Casey McKeon, Resolution Copper Mining LLC (Casey, McKeon@riotinto.com)

**DATE:** March 10, 2016

# PROPERTY: Lower San Pedro River ENVIRONMENTAL SITE ASSESSMENT

# OWNER/ OPERATOR/OCCUPANT QUESTIONNAIRE Celeste Andresen

The objective of interviews with Past and Present Owners and Occupant is to obtain information indicating recognized environmental conditions in connection with the Property. Past and present owners, operators and occupants shall be interviewed who are likely to have material information regarding the potential for contamination at the property, provided such persons have been identified and the information is not likely to be duplicative of information already obtained from different sources.

Property Location/Address: East of the Town of Mammoth along the San Pedro River

Interview Medium (underline one): in person, by telephone, in writing

Date: 1/6/2016

Interviewee Relationship to the *property* (underline one): past owner, present owner, <u>operator/manager</u>, tenant, occupant, other. Land Manager with TNC since June 2009.

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

(1). Please describe the current uses of the *property*, if known.

<u>Managed as open space.</u> No grazing. Land is protected for LEX. 1.2 mile trail for public access – Copper Creek Road. River bottom has ATVs and 4WD use – otherwise it is restricted. Wildlife surveys and monitoring – research use.

Utility line crosses the property on the east side.

(2). Please describe the past/historic use(s) of the *property*, if known.

Farmed – crops were cotton and alfalfa. Mesquite wood was sold. Grazing. Unlimited hunting – not fenced off or signed. Recreational activity – ATVs, hiking throughout mesquite bosque. Wildcat dumping – RCM spent \$ in upland areas and wetland/artesian well cleaning this up.

(3). Name the current and any past owners or occupants of the *property*, if known.

Smith Family (Smith Brothers Cough Drops) – 1900s – they leased it out to locals for farming and ranching.

Newmont Family owned and leased out to locals to ranch/farm.

1950s – Purchased by Magma Mining and transferred to BHP Billiton

Early 2000s purchased by Resolution Copper

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

West is Town of Mammoth

North is a small community, ranching/farming family adjacent to the direct north of the property

East - State Lands and BLM lands - open, recreational

South - trailer park community and ranching adjacent to the property

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

West - Town of Mammoth – mining in the area previously

North – lots of ranching, small farms

<u>East</u> – <u>Utility corridor, lots of recreational activity (off-road vehicles, hunting, backpacking), further 10 miles is mining exploration – possibly redhawk mining and fox copper).</u>

<u>South</u> – farming and ranching. Open space. Offroad vehicles, hunting, Reddington Road down to Benson (recently started chipsealing the road 6 miles out to the Pinal Pima border). Power utility line easement was approved for the south/southwest approx. 10 miles west of the 7B.

Tuge 2/2
(6). Are you aware of any chemicals/petroleum products in individual containers greater than 5-gallons that are present or once were present at the <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_✓ Unknown
Clean up prior to 2006/2007 may have removed these types of items. Large mining equipment tires – one in the river bottom at the north end of the property. Approx. 6 as soon as you cross in on Copper Creek Road (west side of the road, immediately south of the road). May have been used by Magma or BHP as staging area – adjacent to Mammoth gravel yard. Old appliances dumped there.
(7). Do you know of spills or other chemical releases that have taken place at the <i>property</i> ?
Yes No_✓ Unknown
(8). Do you know of any environmental cleanups that have taken place at the <i>property</i> ?
Yes <u> ✓</u> No Unknown
2006/2007 Resolution Copper cleanup of wetlands/artesian well and dump sites in the uplands.
(9). Are you aware of any environmental cleanup liens against the <i>property</i> ?
Yes No_✓ Unknown
(10). Are you aware of any engineering controls (capping, slurry walls or water treatment), land use restrictions or institutional controls (deed restriction, restrictive covenants, easements or zoning) intended to reduce exposure of a hazardous substance or petroleum product at the <i>property</i> ?
Yes No_✓ Unknown
Old irrigation ditches on the property, but nothing to indicate buried fill. There was a covenant (back to 1960) about Magma having a dump on the property – this covenant incorrectly listed the township and range – this was really on
BHP property, not on this site. In process of having this fixed with the County recorder.
(11). Are there any above ground storage tanks, underground storage tanks, vent pipes or access ways indicating storage tanks at the $property$ ?
Yes No_✓ Unknown
Old empty storage tanks – nothing in any of them. Vents around the burnt out house on the property – not likely to be storage tank, there is an exposed basement.
(12). Are there any PCBs (transformers, hydraulic equipment) at the <i>property</i> ?
Yes No_✓ Unknown
Old line (windmill), but power is all disconnected on the property – west side of River Road – instead of going south, you go straight and can see a monitored well and the old set up.
(13). Have you observed stained soil/pavement, corrosion, or stressed vegetation that may indicate a petroleum or chemical spill at the <i>property</i> ?
Yes No_✓ Unknown
Many spots where vegetation doesn't grow. Neighbors who have been around for awhile suggest that vegetation has never been there. Just unhealthy soil from years of irrigation and evaporation. Nothing suggesting spill, just

challenged vegetation.no pitts, ponds or lagoons associated with waste treatment,

Environmental Site Assessment Manager Questionnaire

*Page 2/2* 

*Page 3/2* (14). Have you observed pits, ponds, or lagoons associated with wastewater treatment/disposal at the *property*? Yes\_\_\_\_ No ✓ Unknown\_\_\_\_ The only water on the property is the wetland. Well cared for. No lagoons. Old cattle tanks that have been filled in and have vegetation growing. (15). Are you aware of any wastewater/stormwater facilities at the *property* (drains, sumps, ditches, washes)? Yes No ✓ Unknown North of the property is the Mammoth treatment facility – right before you cross the river heading north on 77, on the south side. North of the property at "Big Wash" was a gravel operation – there was a big pit, but it is all grown (16). Are you aware of any wells located at the *property* (dry, irrigation, injection, or abandoned)? Yes ✓ No Unknown Likely several on the property at unknown locations. Two historical wells that are being monitored monthly. Two that have been covered over and filled in. Three new piezometers. (17). Are you aware of any septic systems at the *property*? Yes\_✓ No\_\_\_ Unknown\_\_\_\_ Old leech field by the abandoned house. (18). Has the *property* been used for landfill, dump, battery storage, junkyard, or other disposal purposes? Yes ✓ No Unknown Old abandoned vehicles - some have been removed, some remain in the mesquite, difficult to access. Pit likely used as a landfill near abandoned structure – there may be drums dumped there. (19). Has dirt fill been brought to the property that originated from a site of unknown origin or from a contaminated site? Yes No\_✓ Unknown\_\_\_\_ (20). Are there or has there ever been any flooring, drains, or walls located on the property that are stained by substances other than water or emitting odors? Yes No Unknown ✓ Adobe buildings that were sealed. Wood on old barns. Something likely used for preserve, stain, paint. (21). Are you aware of any other information that may be pertinent to identifying past and present environmental conditions at the property or copies of any available prior environmental site assessment reports, documents, correspondence, etc., concerning the *property* and its environmental condition? Yes ✓ No Unknown Storage unit for TNC manager gear

3-4 old barns

Old burnt out house

Stockade fences where the corrals used to be

Environmental Site Assessment Manager Questionnaire

Environmental Site Assessment Manager Questionnaire Page 4/2
All structures are in the same general location.

Houses along S. Main St. dump down into the river.

# **APPENDIX C** Title and **Encumbrances Documents**

Order Number: NCS-44196-4335 Page Number: 1





Bruno Hegner Swift Current Land & Cattle, LLC 2425 E. Arizona Biltmore Circle, Suite 135 Phoenix, AZ 85016

September 23, 2004

Title Officer:

Ron B. Robertson

Phone:

(602) 685-7736

Order Number:

NCS-44196-4335

Property:

,,AZ

Attached please find the following item(s):

A Policy of Title Insurance

Thank You for your confidence and support. We at First American Title Company maintain the fundamental principle:

Customer First!

Order Number: NCS-44196-4335 Page Number: 2

# **Policy of Title Insurance**



# First American Title Insurance Company

SUBJECT TO THE EXCLUSIONS FROM COVERAGE, THE EXCEPTIONS FROM COVERAGE CONTAINED IN SCHEDULE B AND THE CONDITIONS AND STIPULATIONS, FIRST AMERICAN TITLE INSURANCE COMPANY, a California corporation, herein called the Company, insures, as of Date of Policy shown in Schedule A, against loss or damage, not exceeding the Amount of Insurance stated in Schedule A, sustained or incurred by the insured by reason of:

- 1. Title to the estate or interest described in Schedule A being vested other than as stated therein;
- 2. Any defect in or lien or encumbrance on the title;
- 3. Unmarketability of the title;
- 4. Lack of a right of access to and from the land.

The Company will also pay the costs, attorneys' fees and expenses incurred in defense of the title, as insured, but only to the extent provided in the Conditions and Stipulations.

First American Title Insurance Company

Jary J. Derwoll PRESIDENT

ATTEST I MAN & AMORIN SECRETARY

Order Number: NCS-44196-4335

Page Number: 3

#### **SCHEDULE A**

Type of Coverage: ALTA Standard Owner's (1992)

Amount of Insurance: \$3,500,000.00 Policy Number: NCS-44196-4335

Date of Policy: March 26, 2004 at 2004-021434

1. Name of insured:

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

2. The estate or interest in the land which is covered by this policy is:

Fee Simple

3. Title to the estate or interest in the land is vested in:

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

4. The land referred to in this policy is described as follows:

Real property in the County of Pinal, State of Arizona, described as follows:

PARCEL 1:

THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 3, TOWNSHIP 9 SOUTH, RANGE 17 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA.

PARCEL 2:

LOTS 3 AND 4; THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER; THE WEST HALF OF THE NORTHWEST OF THE SOUTHEAST QUARTER; THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER; THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 4, TOWNSHIP 9 SOUTH, RANGE 17 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA.

# PARCEL 3:

THE WEST HALF OF THE NORTHWEST QUARTER; THE NORTH HALF OF THE SOUTHWEST QUARTER; THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER; THE NORTH HALF OF THE NORTHEAST QUARTER; THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER; THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER; THE NORTHEAST QUARTER; AND THE NORTH HALF OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 33, TOWNSHIP 8 SOUTH, RANGE 17 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA.

# PARCEL 4:

THE NORTH HALF OF THE NORTHEAST QUARTER AND THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 32, TOWNSHIP 8 SOUTH, RANGE 17 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA.

#### PARCEL 5:

THE EAST HALF AND THE EAST HALF OF THE NORTHWEST QUARTER OF SECTION 29, TOWNSHIP 8 SOUTH, RANGE 17 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA.

#### PARCEL 6:

THE WEST HALF OF THE WEST HALF OF SECTION 28, TOWNSHIP 8 SOUTH, RANGE 17 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA.

#### PARCEL 7:

THE SOUTHWEST QUARTER OF THE NORTHWEST QUARTER AND THE WEST HALF OF THE SOUTHWEST QUARTER OF SECTION 21, TOWNSHIP 8 SOUTH, RANGE 17 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA.

#### PARCEL 8:

THE WEST HALF; THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER; THE NORTH HALF OF THE NORTHEAST QUARTER AND THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA.

EXCEPTING A PARCEL OF LAND LOCATED IN THE NORTHEAST QUARTER OF SECTION 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA, DESCRIBED AS FOLLOWS:

COMMENCING AT THE EAST QUARTER CORNER OF SAID SECTION 20;

THENCE SOUTH 88 DEGREES 25 MINUTES 07 SECONDS WEST ALONG THE CENTER SECTION LINE OF SAID SECTION 20 FOR A DISTANCE OF 1165.09 FEET TO THE POINT OF BEGINNING OF THE LAND TO BE DESCRIBED;

THENCE SOUTH 88 DEGREES 25 MINUTES 07 SECONDS WEST FOR A DISTANCE OF 39.66 FEET ALONG THE ABOVE SAID CENTER SECTION LINE TO A POINT HEREAFTER REFERRED TO AS POINT "A";

THENCE SOUTH 88 DEGREES 25 MINUTES 07 SECONDS WEST ALONG THE ABOVE SAID CENTER SECTION LINE FOR A DISTANCE OF 376.27 FEET TO A SET 5/8 INCH REBAR;

THENCE NORTH 00 DEGREES 00 MINUTES 00 SECONDS EAST FOR A DISTANCE OF 133.54 FEET TO A POINT HEREAFTER REFERRED TO AS POINT "B":

THENCE NORTH 00 DEGREES 00 MINUTES 00 SECONDS EAST FOR A DISTANCE OF 442.77 FEET TO A SET 5/8 INCH REBAR;

THENCE NORTH 72 DEGREES 29 MINUTES 09 SECONDS EAST FOR A DISTANCE OF 435.98 FEET TO A SET 5/8 INCH REBAR;

THENCE SOUTH 00 DEGREES 00 MINUTES 00 SECONDS EAST FOR A DISTANCE OF 696.04 FEET TO THE POINT OF BEGINNING.

#### PARCEL 9:

THE NORTH HALF OF THE SOUTHEAST QUARTER; THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER AND THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA.

EXCEPTING A PARCEL OF LAND LOCATED IN THE NORTHEAST QUARTER OF SECTION 20, TOWNSHIP 8 SOUTH, RANGE 17 EAST, OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA, DESCRIBED AS FOLLOWS:

COMMENCING AT THE EAST QUARTER CORNER OF SAID SECTION 20;

THENCE SOUTH 88 DEGREES 25 MINUTES 07 SECONDS WEST ALONG THE CENTER SECTION LINE EOF SAID SECTION 20 FOR A DISTANCE OF 1165.09 FEET TO THE POINT OF BEGINNING OF THE LAND TO BE DESCRIBED;

THENCE SOUTH 88 DEGREES 25 MINUTES 07 SECONDS WEST FOR A DISTANCE OF 39.66 FEET ALONG THE ABOVE SAID CENTER SECTION LINE TO A POINT HEREAFTER REFERRED TO AS POINT "A";

THENCE SOUTH 88 DEGREES 25 MINUTES 07 SECONDS WEST ALONG THE ABOVE SAID CENTER SECTION LINE FOR A DISTANCE OF 376.27 FEET TO A SET 5/8 INCH REBAR;

THENCE NORTH 00 DEGREES 00 MINUTES 00 SECONDS EAST FOR A DISTANCE EOF 133.54 FEET TO A POINT HEREAFTER REFERRED TO AS POINT "B";

THENCE NORTH 00 DEGREES 00 MINUTES 00 SECONDS EAST FOR A DISTANCE OF 442.77 FEET TO A SET 5/8 INCH REBAR;

THENCE NORTH 72 DEGREES 29 MINUTES 09 SECONDS EAST FOR A DISTANCE OF 435.98 FEET TO A SET 5/8 INCH REBAR;

THENCE SOUTH 00 DEGREES 00 MINUTES 00 SECONDS EAST FOR A DISTANCE OF 696.04 FEET TO THE POINT OF BEGINNING.

## PARCEL 10:

THE EAST HALF OF THE NORTHEAST QUARTER AND THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 19, TOWNSHIP 8 SOUTH, RANGE 17 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA;

EXCEPT THAT PORTION THEREOF CONVEYED BY FRANK SMITH COMPANY, A CORPORATION TO ARIZONA RARE METALS COMPANY, A CORPORATION, BY DEED DATED APRIL 7, 1916, RECORDED APRIL 15, 1916, IN BOOK 30 OF DEEDS, PAGE 402, RECORDS OF PINAL COUNTY, ARIZONA; AND

EXCEPT THAT PORTION THEREOF LYING WITHIN THE SANTA CATALINA MILLSITE; AND

EXCEPT THAT PORTION THEREOF LYING WITHIN THE TOWNSITE OF MAMMOTH, ACCORDING TO THE PLAT THEREOF OF RECORD IN THE OFFICE OF THE COUNTY RECORDER OF PINAL COUNTY, ARIZONA; AND

FURTHER EXCEPT THAT PORTION DESCRIBED AS COMMENCING AT THE EAST QUARTER CORNER OF SAID SECTION 19;

THENCE SOUTH 88 DEGREES 45 MINUTES 05 SECONDS WEST ALONG THE CENTER SECTION LINE A DISTANCE OF 532.18 FEET TO THE POINT OF BEGINNING OF THE LAND TO BE DESCRIBED BED;

THENCE SOUTH 36 DEGREES 30 MINUTES 39 SECONDS EAST FOR A DISTANCE OF 124.13 FEET TO A SET 5/8 INCH STEEL PIN;

THENCE SOUTH 57 DEGREES 29 MINUTES 27 SECONDS WEST FOR A DISTANCE OF 260.64 FEET TO A SET 5/8 INCH STEEL PIN ON THE EAST LINE OF MAMMOTH TOWNSITE;

THENCE NORTH 36 DEGREES 30 MINUTES 39 SECONDS WEST FOR A DISTANCE OF 224.71 FEET ALONG THE EAST LINE OF MAMMOTH TOWNSITE TO A FOUND ONE INCH STEEL PIN;

THENCE NORTH 48 DEGREES 14 MINUTES 43 SECONDS WEST FOR A DISTANCE OF 77.89 FEET ALONG THE EAST LINE OF MAMMOTH TOWNSITE TO A FOUND ONE INCH STEEL PIN;

THENCE NORTH 88 DEGREES 45 MINUTES 05 SECONDS EAST FOR A DISTANCE OF 337.83 FEET TO THE POINT OF BEGINNING; AND

FURTHER EXCEPT THAT PORTION DESCRIBED AS COMMENCING AT THE EAST QUARTER CORNER OF SAID SECTION 19;

THENCE SOUTH 88 DEGREES 45 MINUTES 05 SECONDS WEST ALONG THE CENTER SECTION LINE A DISTANCE OF 532.18 FEET TO A POINT;

THENCE SOUTH 36 DEGREES 30 MINUTES 39 SECONDS EAST A DISTANCE OF 124.13 FEET TO THE POINT OF BEGINNING;

THENCE SOUTH 36 DEGREES 30 MINUTES 39 SECONDS EAST FOR A DISTANCE OF 307.55 TO A SET 5/8 INCH STEEL PIN ON THE NORTH RIGHT-OF-WAY LINE OF BLUEBIRD STREET;

THENCE SOUTH 53 DEGREES 29 MINUTES 21 SECONDS WEST FOR A DISTANCE OF 260.00 FEET ALONG THE NORTH RIGHT-OF-WAY LINE OF BLUEBIRD STREET TO A FOUND ½ INCH REBAR;

THENCE NORTH 36 DEGREES 30 MINUTES 39 SECONDS WEST FOR A DISTANCE OF 325.74 FEET ALONG THE EAST LINE OF MAMMOTH TOWNSITE TO A SET 5/8 INCH REBAR;

THENCE NORTH 57 DEGREES 29 MINUTES 27 SECONDS EAST FOR A DISTANCE OF 260.64 FEET TO THE POINT OF BEGINNING; AND,

FURTHER EXCEPT THAT PORTION OF THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 19, DESCRIBED AS FOLLOWS;

COMMENCING AT THE EAST QUARTER CORNER OF SAID SECTION 19;

THENCE SOUTH 01 DEGREES 26 MINUTES 07 SECONDS EAST, A DISTANCE OF 756.29 FEET ALONG THE EAST LINE OF SAID SECTION 19 TO THE POINT OF BEGINNING OF THE LAND TO BE DESCRIBED;

THENCE SOUTH 01 DEGREES 26 MINUTES 07 SECONDS EAST FOR A DISTANCE OF 452.53 FEET ALONG THE EAST LINE OF SAID SECTION 19 TO A POINT;

THENCE NORTH 36 DEGREES 30 MINUTES 10 SECONDS WEST FOR A DISTANCE OF 814.85 FEET ALONG THE EAST LINE OF MAMMOTH TOWNSITE TO A POINT ON THE SOUTH RIGHT-OF-WAY LINE OF BLUEBIRD STREET;

THENCE NORTH 53 DEGREES 29 MINUTES 21 SECONDS EAST FOR A DISTANCE OF 260.00 FEET ALONG THE SOUTH RIGHT-OF-WAY LINE OF BLUEBIRD STREET TO A POINT;

THENCE SOUTH 36 DEGREES 30 MINUTES 10 SECONDS EAST FOR A DISTANCE OF 444.50 FEET TO THE POINT OF BEGINNING.

# PARCEL 11:

LOT 1; THE NORTH HALF OF THE NORTHEAST QUARTER; THE NORTHEAST QUARTER OF THE NORTHWEST QUARTER AND THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 17 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA;

EXCEPT ANY PORTION LYING WITHIN STATE HIGHWAY 77-177 RIGHT OF WAY; AND

EXCEPT THAT PART OF THE NORTH HALF OF THE NORTHWEST QUARTER OF SAID SECTION 18, DESCRIBED AS:

COMMENCING AT THE SOUTHWEST CORNER OF THE NORTH HALF OF THE NORTHWEST QUARTER OF SAID SECTION 18, SAID POINT BEING THE POINT OF BEGINNING OF THE LAND TO BE DESCRIBED;

THENCE NORTH 00 DEGREES 15 MINUTES 15 SECONDS WEST ALONG THE WEST LINE OF SAID SECTION 18 A DISTANCE OF 85.86 FEET TO A POINT;

THENCE NORTH 39 DEGREES 54 MINUTES 19 SECONDS EAST A DISTANCE OF 1231.61 FEET TO A POINT;

THENCE SOUTH 63 DEGREES 21 MINUTES 53 SECONDS EAST A DISTANCE OF 1316.37 FEET TO A POINT ON THE WEST RIGHT-OF-WAY LINE OF STATE ROUTE NO. 77;

THENCE SOUTH 16 DEGREES 00 MINUTES 53 SECONDS WEST ALONG SAID RIGHT-OF-WAY LINE A DISTANCE OF 174.25 FEET TO A RIGHT-OF-WAY MONUMENT;

THENCE SOUTHWESTERLY ALONG A SPIRAL TRANSITION CURVE TO THE LEFT HAVING A CORD OF 284.12 FEET AND A CORD BEARING OF SOUTH 15 MINUTES 07 DEGREES 09 MINUTES WEST;

THENCE NORTH 89 DEGREES 57 MINUTES 37 SECONDS WEST A DISTANCE OF 1844.22 FEET TO THE POINT OF BEGINNING; AND

EXCEPT THAT PART OF THE NORTH HALF OF THE NORTHWEST QUARTER OF SAID SECTION 18, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF SAID SECTION 18, SAID POINT BEING THE POINT OF BEGINNING OF THE LAND TO BE DESCRIBED;

THENCE SOUTH 69 DEGREES 27 MINUTES 06 SECONDS EAST A DISTANCE OF 849.67 FEET TO A POINT;

THENCE SOUTH 39 DEGREES 54 MINUTES 19 SECONDS WEST A DISTANCE OF 1231.61 FEET TO A POINT ON THE WEST LINE OF SAID SECTION 18;

THENCE NORTH 00 DEGREES 15 MINUTES 15 SECONDS WEST ALONG THE WEST LINE OF SAID SECTION 18 A DISTANCE OF 1243.02 FEET TO THE POINT OF BEGINNING; AND

FURTHER EXCEPT THAT PARCEL OF SAID SECTION 18:

BEGINNING AT THE CENTER OF SECTION 18;

THENCE SOUTH 89 DEGREES 52 MINUTES 44 SECONDS WEST FOR A DISTANCE OF 940.24 FEET TO THE SOUTHEAST CORNER OF SAID PARCEL AND THE TRUE POINT OF BEGINNING;

THENCE ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 4683.66 FEET AND A ARC LENGTH OF 428.49 FEET, BEING SUBTENDED BY A CORD OF NORTH 01 DEGREES 08 MINUTES 41 SECONDS EAST FOR A DISTANCE OF 428.34 FEET;

THENCE SOUTH 85 DEGREES 30 MINUTES 57 SECONDS WEST FOR A DISTANCE OF 202.88 FEET;

Order Number: NCS-44196-4335 Page Number: 9

THENCE SOUTH 03 DEGREES 22 MINUTES 03 SECONDS WEST FOR A DISTANCE OF 413.57 FEET;

THENCE NORTH 89 DEGREES 52 MINUTES 44 SECONDS EAST FOR A DISTANCE OF 218.00 FEET TO THE TRUE POINT OF BEGINNING; AND

FURTHER EXCEPT A PARCEL OF LAND IN SAID SECTION 18:

BEGINNING AT THE WEST QUARTER CORNER OF SAID SECTION 18;

THENCE NORTH 89 DEGREES 44 MINUTES 58 SECONDS EAST 1302.21 FEET TO THE TRUE POINT OF BEGINNING:

THENCE NORTH 00 DEGREES 11 MINUTES 27 SECONDS EAST ALONG THE WEST BOUNDARY OF THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION18, 827.62 FEET;

THENCE SOUTH 89 DEGREES 48 MINUTES 33 SECONDS EAST 427.50 FEET TO THE WESTERLY RIGHT OF WAY LINE FOR STATE ROUTE 77;

THENCE SOUTHWESTERLY ALONG THE RIGHT OF WAY FOR STATE ROUTE 77 ON A NON TANGENT CURVE TO THE LEFT HAVING A RADIUS OF 4744.57 FEET, PASSING THROUGH A CENTRAL ANGLE OF 04 DEGREES 49 MINUTES 46 SECONDS, AN ARC LENGTH OF 399.91 FEET;

THENCE SOUTH 85 DEGREES 37 MINUTES 00 SECONDS WEST, 202.84 FEET;

THENCE SOUTH 03 DEGREES 22 MINUTES 53 SECONDS WEST, 413.69 FEET TO THE EAST-WEST CENTER LINE OF SAID SECTION 18;

THENCE SOUTH 89 DEGREES 53 MINUTES 28 SECONDS WEST ALONG THE EAST-WEST CENTERLINE OF SAID SECTION 18, 160.58 FEET TO THE TRUE POINT OF BEGINNING; AND

FURTHER EXCEPT THAT PART OF THE SOUTH HALF OF THE NORTHWEST QUARTER OF SAID SECTION 18, DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF THE SOUTH HALF OF THE NORTHWEST QUARTER OF SAID SECTION 18;

THENCE SOUTH 89 DEGREES 57 MINUTES 37 SECONDS EAST FOR A DISTANCE OF 1312.20 FEET ALONG THE NORTH LINE OF THE SOUTH HALF OF THE NORTHWEST QUARTER OF SAID SECTION 18 TO THE POINT OF BEGINNING OF THE LAND TO BE DESCRIBED:

THENCE SOUTH 89 DEGREES 57 MINUTES 37 SECONDS EAST FOR A DISTANCE OF 532.02 FEET ALONG THE NORTH LINE OF THE SOUTH HALF OF THE NORTHWEST QUARTER OF SAID SECTION 18 TO A POINT ON THE WEST RIGHT-OF-WAY LINE OF STATE ROUTE 77;

THENCE ALONG A CURVE CONCAVE TO THE LEFT, HAVING A RADIUS OF 4744.57 FEET AND AN ARC LENGTH OF 506.39 FEET, BEING SUBTENDED BY A CHORD OF SOUTH 12 DEGREES 06 MINUTES 45 SECONDS WEST, FOR A DISTANCE OF 506.15 FEET ALONG THE WEST RIGHT-OF-WAY LINE OF STATE ROUTE 77;

THENCE NORTH 89 DEGREES 53 MINUTES 41 SECONDS WEST FOR A DISTANCE OF 427.07 FEET ALONG THE NORTH PROPERTY LINE OF THE DIALYSIS CENTER TO A PLASTIC CAP RLS 29869;

Order Number: NCS-44196-4335 Page Number: 10

THENCE NORTH 00 DEGREES 08 MINUTES 42 SECONDS EAST FOR A DISTANCE OF 494.47 FEET TO THE POINT OF BEGINNING.

## PARCEL 12:

THE NORTHWEST QUARTER; THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER AND THE EAST HALF OF THE SOUTHWEST QUARTER OF SECTION 17, TOWNSHIP 8 SOUTH, RANGE 17 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA.

#### PARCEL 13:

LOTS 2, 3 AND 4; THE EAST HALF OF THE SOUTHWEST QUARTER AND THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 7, TOWNSHIP 8 SOUTH, RANGE 17 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA.

EXCEPT ANY PORTION LYING WITHIN THE STATE ROUTE 77 RIGHT OF WAY.

# PARCEL 14:

THE WEST HALF OF THE NORTHEAST QUARTER; THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER; AND THE NORTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 12, TOWNSHIP 8 SOUTH, RANGE 16 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PINAL COUNTY, ARIZONA.

Order Number: NCS-44196-4335 Page Number: 11

# SCHEDULE B

# **EXCEPTIONS FROM COVERAGE**

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

## PART ONE

#### SECTION ONE

- 1. Taxes or assessments which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records.
- Any facts, rights, interests, or claims which are not shown by the public records but which could be ascertained by an inspection of said land or by making inquiry of persons in possession thereof.
- 3. Easements, claims of easement or encumbrances which are not shown by the public records.
- 4. Discrepancies, conflicts in boundary lines, shortage in area, encroachments, or any other facts which a correct survey would disclose, and which are not shown by public records.
- 5. Unpatented mining claims; reservations or exceptions in patents or in Acts authorizing the issuance thereof; water rights, claims or title to water.
- 6. Any lien, or right to a lien, for services, labor or material heretofore or hereafter furnished, imposed by law and not shown by the public records.

# **SECTION TWO**

- Taxes for the full year of 2003.
   (The first half is due October 1, 2003 and is delinquent November 1, 2003. The second half is due March 1, 2004 and is delinquent May 1, 2004.)
- 2. Any charge upon said land by reason of its inclusion in Central Arziona Water Conservation District.
- 3. The rights or claims of title, if any, by the State of Arizona to any portion of the property described in Schedule A being located in the bed of any river or dry wash.
- 4. Terms, covenants and conditions as set forth in instrument recorded in Docket 1987, Page 335.
  - (Affects Parcel No. 2 and other property)
- 5. The terms and provisions contained in the document entitled "Pipe Line License" recorded January 18, 1955 as Docket 117, Page 306. of Official Records.

6. An easement for electric power line and incidental purposes in the document recorded as Book 54 of Deeds, Page 579 and Page 580 of Official Records.

(Affects Parcel No. 11 and 13)

7. An easement for electric power line and incidental purposes in the document recorded as Book 55 of Deeds, Page 347 of Official Records.

(Affects Parcel No. 11 and 13)

8. An easement for railroad, telephone and telegraph lines and incidental purposes in the document recorded as Docket 113, Page 473 of Official Records.

(Affects Parcel No. 14 and other property)

9. An easement for public highway and incidental purposes in the document recorded as Docket 139, Page 463 of Official Records.

(Affects Parcel No. 11 and 13)

10. An easement for communication lines and incidental purposes in the document recorded as Docket 184, Page 473 of Official Records.

(Affects Parcel No. 6 and 8)

11. An easement for pipe line and incidental purposes in the document recorded as Docket 191, Page 568 of Official Records.

(Affects Parcel No. 11 and 13)

12. An easement for roadway purposes and incidental purposes in the document recorded as Docket 242, Page 104 of Official Records.

(Affects Parcel No. 10)

13. An easement for roadway and incidental purposes in the document recorded as Docket 297, Page 319 of Official Records.

(Affects Parcel No. 13 and other property)

14. An easement for transmission lines and incidental purposes in the document recorded as Docket 358, Page 574 of Official Records.

(Affects Parcel No. 8 and 9)

Order Number: NCS-44196-4335 Page Number: 13

15. An easement for electric power transmission system and incidental purposes in the document recorded as Docket 362, Page 595 of Official Records.

(Affects Parcel No. 3)

16. An easement for electric power transmission line and incidental purposes in the document recorded as Docket 413, Page 322 of Official Records.

(Affects Parcel No. 11)

17. An easement for electric lines and incidental purposes in the document recorded as Docket 686, Page 465 of Official Records.

(Affects Parcel No. 5)

18. An easement for electric lines and incidental purposes in the document recorded as Docket 687, Page 292 of Official Records.

(Affects Parcel No. 9)

19. An easement for haul road and incidental purposes in the document recorded as Docket 870, Page 260 of Official Records.

(Affects Parcel No. 11)

20. An easement for drainage and incidental purposes in the document recorded as Docket 2076, Page 792 of Official Records.

(Affects Parcel No. 11)

21. An easement for access road, power transmission site and communications and incidental purposes in the document recorded as 1999-045692 of Official Records.

(Affects Parcel No. 7, 8 and 9)

22. An easement for power line and roadway and incidental purposes in the document recorded as 2003-065283 of Official Records.

Order Number; NCS-44196-4335

Page Number: 14

#### **EXCLUSIONS FROM COVERAGE**

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

1.(a) Any law, ordinance or governmental regulation (including but not limited to building and zoning laws, ordinances, or regulations) restricting, regulating, prohibiting or relating to

(i) the occupancy, use, or enjoyment of the land;

(ii) the character, dimensions or location of any improvement now or hereafter erected on the land;

(iii) a separation in ownership or a change in the dimensions or area of the land or any parcel of which the land is or was a part; or

- (iv) environmental protection, or the effect of any violation of these laws, ordinances or governmental regulations, except to the extent that a notice of the enforcement thereof or a notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
- (b) Any governmental police power not excluded by (a) above, except to the extent that a notice of the exercise thereof or a notice of a defect, lien or encumbrance resulting from a violation or alleged violation affecting the land has been recorded in the public records at Date of Policy.
- 2. Rights of eminent domain unless notice of the exercise thereof has been recorded in the public records at Date of Policy, but not excluding from coverage any taking which has occurred prior to Date of Policy which would be binding on the rights of a purchaser for value without knowledge.

Defects, liens, encumbrances, adverse claims, or other matters:
 (a) created, suffered, assumed or agreed to by the insured claimant;

(b) not known to the Company, not recorded in the public records at Date of Policy, but known to the insured claimant and not disclosed in writing to the Company by the insured claimant prior to the date the insured claimant became an insured under this policy;

(c) resulting in no loss or damage to the insured claimant;

- (d) attaching or created subsequent to Date of Policy; or
- (e) resulting in loss or damage which would not have been sustained if the insured claimant had paid value for the estate or interest insured by this policy.
- 4. Any claim, which arises out of the transaction vesting in the Insured the estate or interest insured by this policy, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that is based on:
- (i) the transaction creating the estate or interest insured by this policy being deemed a fraudulent conveyance or fraudulent transfer; or
- (ii) the transaction creating the estate or interest insured by this policy being deemed a preferential transfer except where the preferential transfer results from the failure:

(a) to timely record the instrument of transfer; or

(b) of such recordation to impart notice to a purchaser for value or a judgment or lien creditor.

#### CONDITIONS AND STIPULATIONS

## 1. DEFINITION OF TERMS.

The following terms when used in this policy mean:

(a) "insured": the insured named in Schedule A, and, subject to any rights or defenses the Company would have had against the named insured, those who succeed to the interest of the named insured by operation of law as distinguished from purchase including, but not limited to, heirs, distributees, devisees, survivors, personal representatives, next of kin, or corporate or fiduciary successors.

(b) "insured claimant": an insured claiming loss or damage.

- (c) "knowledge" or "known": actual knowledge, not constructive knowledge or notice which may be imputed to an insured by reason of any public records as defined in this policy or any other records which impart constructive notice of matters affecting the land.
- (d) "land": the land described or referred to in Schedule (A), and improvements affixed thereto which by law constitute real property. The term "land" does not include any property beyond the lines of the area described or referred to in Schedule (A), nor any right, title, interest, estate or easement in abutting streets, roads, avenues, alleys, lanes, ways or waterways, but nothing herein shall modify or limit the extent to which a right of access to and from the land is insured by this policy.

(e) "mortgage": mortgage, deed of trust, trust deed, or other security instrument.

(f) "public records": records established under state statutes at Date of Policy for the purpose of imparting constructive notice of matters relating to real property to purchasers for value and without knowledge. With respect to Section 1(a)(iv) of the Exclusions from Coverage, "public records" shall also include environmental protection liens filed in the records of the clerk of the United States district court for the district in which the land is located. (g) "unmarketability of the title": an alleged or apparent matter affecting the title to the land, not excluded or excepted from coverage, which would entitle a purchaser of the estate or interest described in Schedule A to be released from the obligation to purchase by virtue of a contractual condition requiring the delivery of marketable title.

2. CONTINUATION OF INSURANCE AFTER CONVEYANCE OF TITLE.

The coverage of this policy shall continue in force as of Date of Policy in favor of an insured only so long as the insured retains an estate or interest in the land, or holds an indebtedness secured by a purchase money mortgage given by a purchaser from the insured, or only so long as the insured shall have liability by reason of covenants of warranty made by the insured in any transfer or conveyance of the estate or interest. This policy shall not continue in force in favor of any purchaser from the insured of either

(i) an estate or interest in the land, or

(ii) an indebtedness secured by a purchase money mortgage given to an insured.

3. NOTICE OF CLAIM TO BE GIVEN BY INSURED CLAIMANT.

The insured shall notify the Company promptly in writing

(i) in case of any litigation as set forth in Section 4(a) below,

Order Number: NCS-44196-4335

Page Number: 15

(ii) in case knowledge shall come to an insured hereunder of any claim of title or interest which is adverse to the title to the estate or interest, as insured, and which might cause loss or damage for which the Company may be liable by virtue of this policy, or

(iii) if title to the estate or interest, an insured, is rejected as unmarketable. If prompt notice shall not be given to the Company, then as to the insured all liability of the Company shall terminate with regard to the matter or matters for which prompt notice is required; provided, however, that failure to notify the Company shall in no case prejudice the rights of any insured under this policy unless the Company shall be prejudiced by the failure and then only to the extent of the prejudice.

4. DEFENSE AND PROSECUTION OF ACTIONS; DUTY OF INSURED CLAIMANT TO COOPERATE.

(a) Upon written request by the insured and subject to the options contained in Section 6 of these Conditions and Stipulations, the Company, at its own cost and without unreasonable delay, shall provide for the defense of an insured in litigation in which any third party asserts a claim adverse to the title or interest as insured but only as to those stated causes of action alleging a defect, lien or encumbrance or other matter insured against by this policy. The Company shall have the right to select counsel of its choice (subject to the right of the insured to object for reasonable cause) to represent the insured as to those stated causes of action and shall not be liable for and will not pay the fees of any other counsel. The Company will not pay any fees, costs or expenses incurred by an insured in the defense of those causes of action which allege matters not insured against by this policy. (b) The Company shall have the right, at its own cost, to institute and prosecute any action or proceeding or to do any other act which in its opinion may be necessary or desirable to establish the title to the estate or interest, as insured, or to prevent or reduce loss or damage to an insured. The Company may take any appropriate action under the terms of this policy, whether or not it shall be liable hereunder, and shall not thereby concede liability or waive any provision of this policy. If the Company shall exercise its rights under this paragraph, it shall do so diligently.

(c) Whenever the Company shall have brought an action or interposed a defense as required or permitted by the provisions of this policy, the Company may pursue any litigation to final determination by a court of competent jurisdiction and expressly reserves the right, in its sole discretion, to

appeal from any adverse judgment or order.

(d)In all cases where this policy permits or requires the Company to prosecute or provide for the defense of any action or proceeding, the insured shall secure to the Company the right to so prosecute or provide defense in the action or proceeding, and all appeals therein, and permit the Company to use, at its option, the name of the insured for this purpose. Whenever requested by the Company, the insured, at the Company's expense, shall give the Company all reasonable aid (i) in any action or proceeding, securing evidence, obtaining witnesses, prosecuting or defending the action or proceeding, or effecting settlement, and (ii) in any other lawful act which in the opinion of the Company may be necessary or desirable to establish the title to the estate or interest as insured. If the Company is prejudiced by the failure of the insured to furnish the required cooperation, the Company's obligations to the insured under the policy shall terminate, including any liability or obligation to defend, prosecute, or continue any litigation, with regard to the matter or matters requiring such cooperation.

#### 5. PROOF OF LOSS OR DAMAGE.

In addition to and after the notices required under Section 3 of these Conditions and Stipulations have been provided the Company, a proof of loss or damage signed and sworn to by the insured claimant shall be furnished to the Company within 90 days after the insured claimant shall ascertain the facts giving rise to the loss or damage. The proof of loss or damage shall describe the defect in, or lien or encumbrance on the title, or other matter insured against by this policy which constitutes the basis of loss or damage and shall state, to the extent possible, the basis of calculating the amount of the loss or damage. If the Company is prejudiced by the failure of the insured claimant to provide the required proof of loss or damage, the Company's obligations to the insured under the policy shall terminate, including any liability or obligation to defend, prosecute, or continue any litigation, with regard to the matter or matters requiring such proof of loss or damage.

In addition, the insured claimant may reasonably be required to submit to examination under oath by any authorized representative of the Company and shall produce for examination, inspection and copying, at such reasonable times and places as may be designated by any authorized representative of the Company, all records, books, ledgers, checks, correspondence and memoranda, whether bearing a date before or after Date of Policy, which reasonably pertain to the loss or damage. Further, if requested by any authorized representative of the Company, the insured claimant shall grant its permission, in writing, for any authorized representative of the Company to examine, inspect and copy all records, books, ledgers, checks, correspondence and memoranda in the custody or control of a third party, which reasonably pertain to the loss or damage. All information designated as confidential by the insured claimant provided to the Company pursuant to this Section shall not be disclosed to others unless, in the reasonable judgment of the Company, it is necessary in the administration of the claim. Failure of the insured claimant to submit for examination under oath, produce other reasonably requested information or grant permission to secure reasonably necessary information from third parties as required in this paragraph shall terminate any liability of the Company under this policy as to that claim.

# 6. OPTIONS TO PAY OR OTHERWISE SETTLE CLAIMS; TERMINATION OF LIABILITY.

In case of a claim under this policy, the Company shall have the following additional options:

(a) To Pay or Tender Payment of the Amount of Insurance.

To pay or tender payment of the amount of insurance under this policy together with any costs, attorneys' fees and expenses incurred by the insured claimant, which were authorized by the Company, up to the time of payment or tender of payment and which the Company is obligated to pay. Upon the exercise by the Company of this option, all liability and obligations to insured under this policy, other than to make the payment required, shall terminate, including any liability or obligation to defend, prosecute, or continue any litigation, and the policy shall be surrendered to the Company for cancellation.

(b) To Pay or Otherwise Settle With Parties Other than the Insured or With the Insured Claimant.

(i) to pay or otherwise settle with other parties for or in the name of an insured claimant any claim insured against under this policy, together with any costs, attorneys' fees and expenses incurred by the insured claimant which were authorized by the Company up to the time of payment and which the Company is obligated to pay; or

(ii) to pay or otherwise settle with the insured claimant the loss or damage provided for under this policy, together with any costs, attorneys' fees and expenses incurred by the insured claimant which were authorized by the Company up to the time of payment and which the Company is obligated to pay.

Upon the exercise by the Company of either of the options provided for in paragraphs (b) (i) or (ii), the Company's obligations to the insured under this policy for the claimed loss or damage, other than the payments required to be made, shall terminate, including any liability or obligation to defend, prosecute or continue any litigation.

#### 7. DETERMINATION, EXTENT OF LIABILITY AND COINSURANCE.

This policy is a contract of indemnity against actual monetary loss or damage sustained or incurred by the insured claimant who has suffered loss or damage by reason of matters insured against by this policy and only to the extent herein described.

(a) The liability of the Company under this policy shall not exceed the least of:

(i) the Amount of Insurance stated in Schedule A; or,

(ii) the difference between the value of the insured estate or interest as insured and the value of the insured estate or interest subject to the defect, lien or encumbrance insured against by this policy.

Order Number: NCS-44196-4335 Page Number: 16

(b) In the event the Amount of Insurance stated in Schedule A at the Date of Policy is less than 80 percent of the value of the insured estate or interest or the full consideration paid for the land, whichever is less, or if subsequent to the Date of Policy an improvement is erected on the land which increases the value of the insured estate or interest by at least 20 percent over the Amount of Insurance stated in Schedule A, then this Policy is subject to the following:

(i) where no subsequent improvement has been made, as to any partial loss, the Company shall only pay the loss pro rata in the proportion that the amount of insurance at Date of Policy bears to the total value of the insured estate or interest at Date of Policy; or (ii) where a subsequent improvement has been made, as to any partial loss, the Company shall only pay the loss pro rata in the proportion that 120 percent of the Amount of Insurance stated in Schedule A bears to the sum of the Amount of Insurance stated in Schedule A and the amount expended for the improvement. The provisions of this paragraph shall not apply to costs, attorneys' fees and expenses for which the Company is liable under this policy, and shall only apply to that portion of any loss which exceeds, in the aggregate, 10 percent of the Amount of Insurance stated in Schedule A.

(c) The Company will pay only those costs, attorneys' fees and expenses incurred in accordance with Section 4 of these Conditions and Stipulations.

#### 8. APPORTIONMENT.

If the land described in Schedule (A)(C) consists of two or more parcels which are not used as a single site, and a loss is established affecting one or more of the parcels but not all, the loss shall be computed and settled on a pro rata basis as if the amount of insurance under this policy was divided pro rata as to the value on Date of Policy of each separate parcel to the whole, exclusive of any improvements made subsequent to Date of Policy, unless a liability or value has otherwise been agreed upon as to each parcel by the Company and the insured at the time of the issuance of this policy and shown by an express statement or by an endorsement attached to this policy.

## 9. LIMITATION OF LIABILITY.

- (a) If the Company establishes the title, or removes the alleged defect, lien or encumbrance, or cures the lack of a right of access to or from the land, or cures the claim of unmarketability of title, all as insured, in a reasonably diligent manner by any method, including litigation and the completion of any appeals therefrom, it shall have fully performed its obligations with respect to that matter and shall not be liable for any loss or damage caused thereby.
- (b) In the event of any litigation, including litigation by the Company or with the Company's consent, the Company shall have no liability for loss or damage until there has been a final determination by a court of competent jurisdiction, and disposition of all appeals therefrom, adverse to the title as insured.
- (c) The Company shall not be liable for loss or damage to any insured for liability voluntarily assumed by the insured in settling any claim or suit without the prior written consent of the Company.

#### 10. REDUCTION OF INSURANCE; REDUCTION OR TERMINATION OF LIABILITY.

All payments under this policy, except payments made for costs, attorneys' fees and expenses, shall reduce the amount of the insurance pro tanto.

#### 11. LIABILITY NONCUMULATIVE.

It is expressly understood that the amount of insurance under this policy shall be reduced by any amount the Company may pay under any policy insuring a mortgage to which exception is taken in Schedule B or to which the insured has agreed, assumed, or taken subject, or which is hereafter executed by an insured and which is a charge or lien on the estate or interest described or referred to in Schedule A, and the amount so paid shall be deemed a payment under this policy to the insured owner.

#### 12. PAYMENT OF LOSS.

- (a) No payment shall be made without producing this policy for endorsement of the payment unless the policy has been lost or destroyed, in which case proof of loss or destruction shall be furnished to the satisfaction of the Company.
- (b) When liability and the extent of loss or damage has been definitely fixed in accordance with these Conditions and Stipulations, the loss or damage shall be payable within 30 days thereafter.

# 13. SUBROGATION UPON PAYMENT OR SETTLEMENT.

## (a) The Company's Right of Subrogation.

Whenever the Company shall have settled and paid a claim under this policy, all right of subrogation shall vest in the Company unaffected by any act of the insured claimant.

The Company shall be subrogated to and be entitled to all rights and remedies which the insured claimant would have had against any person or property in respect to the claim had this policy not been issued. If requested by the Company, the insured claimant shall transfer to the Company all rights and remedies against any person or property necessary in order to perfect this right of subrogation. The insured claimant shall permit the Company to sue, compromise or settle in the name of the insured claimant and to use the name of the insured claimant in any transaction or litigation involving these rights or remedies.

If a payment on account of a claim does not fully cover the loss of the insured claimant, the Company shall be subrogated to these rights and remedies in the proportion which the Company's payment bears to the whole amount of the loss.

If loss should result from any act of the insured claimant, as stated above, that act shall not void this policy, but the Company, in that event, shall be required to pay only that part of any losses insured against by this policy which shall exceed the amount, if any, lost to the Company by reason of the impairment by the insured claimant of the Company's right of subrogation.

# (b) The Company's Rights Against Non-insured Obligors.

The Company's right of subrogation against non-insured obligors shall exist and shall include, without limitation, the rights of the insured to indemnities, guaranties, other policies of insurance or bonds, notwithstanding any terms or conditions contained in those instruments which provide for subrogation rights by reason of this policy.

#### 14. ARBITRATION

Unless prohibited by applicable law, either the Company or the insured may demand arbitration pursuant to the Title Insurance Arbitration Rules of the American Arbitration Association. Arbitrable matters may include, but are not limited to, any controversy or claim between the Company and the insured arising out of or relating to this policy, any service of the Company in connection with its issuance or the breach of a policy provision or other obligation. All arbitrable matters when the Amount of Insurance is \$1,000,000 or less shall be arbitrated at the option of either the Company or the insured. All arbitrable matters when the Amount of Insurance is in excess of \$1,000,000 shall be arbitrated only when agreed to by both the Company and the insured. Arbitration pursuant to this policy and under the Rules in effect on the date the demand for arbitration is made or, at the option of the insured, the Rules in effect at Date of Policy shall be binding upon the parties. The award may include attorneys' fees only if the laws of the state in which the land is located permit a court to award attorneys' fees to a prevailing party. Judgment upon the award rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof.

The law of the situs of the land shall apply to an arbitration under the Title Insurance Arbitration Rules.

A copy of the Rules may be obtained from the Company upon request.

15. LIABILITY LIMITED TO THIS POLICY; POLICY ENTIRE CONTRACT.

Order Number: NCS-44196-4335 Page Number: 17

(a) This policy together with all endorsements, if any, attached hereto by the Company is the entire policy and contract between the insured and the Company. In interpreting any provision of this policy, this policy shall be construed as a whole.

(b) Any claim of loss or damage, whether or not based on negligence, and which arises out of the status of the title to the estate or interest covered hereby or by any action asserting such claim, shall be restricted to this policy.

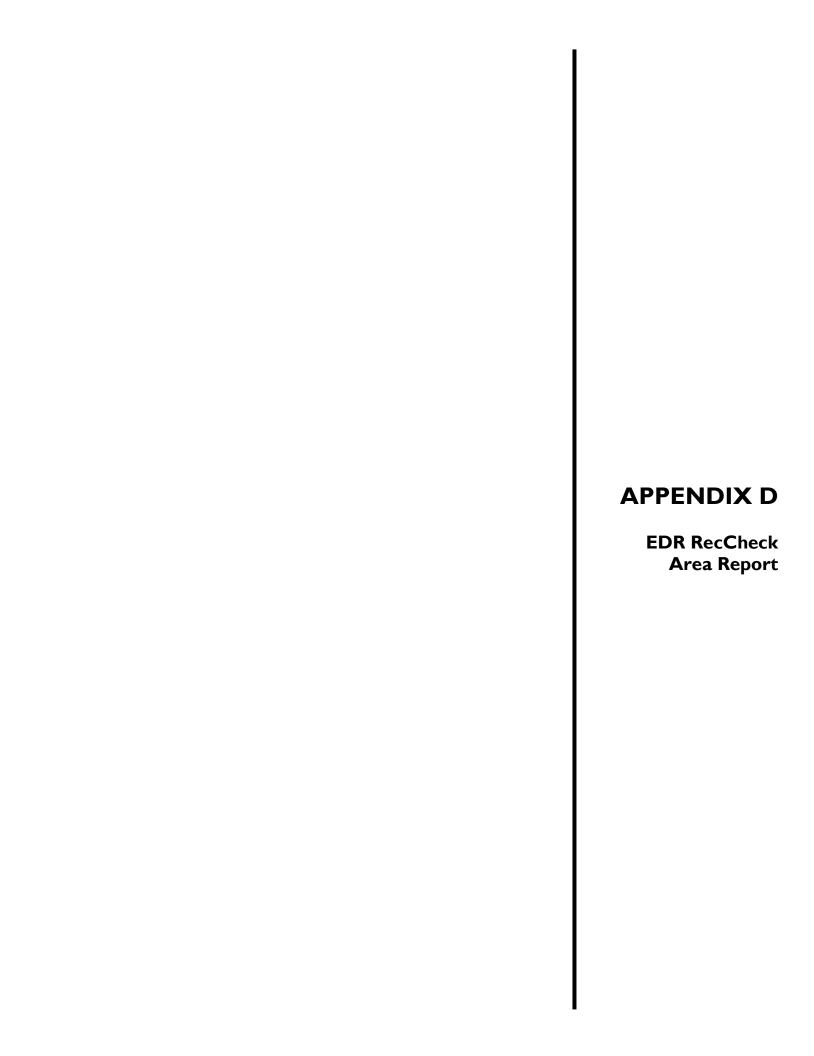
(c) No amendment of or endorsement to this policy can be made except by a writing endorsed hereon or attached hereto signed by either the President, a Vice President, the Secretary, an Assistant Secretary, or validating officer or authorized signatory of the Company.

16. SEVERABILITY.

In the event any provision of the policy is held invalid or unenforceable under applicable law, the policy shall be deemed not to include that provision and all other provisions shall remain in full force and effect.

#### 17. NOTICES, WHERE SENT.

All notices required to be given the Company and any statement in writing required to be furnished the Company shall include the number of this policy and shall be addressed to the Company at 1 First American Way, Santa Ana, California 92707, or to the office which issued this policy.

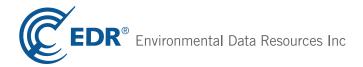


Lower San Pedro San Manuel, AZ 85631

Inquiry Number: 4528414.2s

February 04, 2016

# **EDR DataMap™ Area Study**



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

# **Disclaimer - Copyright and Trademark Notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2016 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

# TARGET PROPERTY INFORMATION

# **ADDRESS**

SAN MANUEL, AZ 85631 SAN MANUEL, AZ 85631

# **DATABASES WITH NO MAPPED SITES**

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records within the requested search area for the following databases:

# **FEDERAL RECORDS**

FEDERAL RECORDS	
NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
Delisted NPL	National Priority List Deletions
NPL LIENS	Federal Superfund Liens
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERCLIS-NFRAP	CERCLIS No Further Remedial Action Planned
LIENS 2	_ CERCLA Lien Information
CORRACTS	Corrective Action Report
RCRA-TSDF	RCRA - Treatment, Storage and Disposal
RCRA-LQG	RCRA - Large Quantity Generators
	RCRA - Small Quantity Generators
RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generator
	. RCRA - Non Generators / No Longer Regulated
US ENG CONTROLS	. Engineering Controls Sites List
US INST CONTROL	_ Sites with Institutional Controls
	Emergency Response Notification System
	_ Hazardous Materials Information Reporting System
DOT OPS	
US CDL	
	A Listing of Brownfields Sites
	Department of Defense Sites
	Formerly Used Defense Sites
	Land Use Control Information System
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	. Open Dump Inventory
DEBRIS REGION 9	. Torres Martinez Reservation Illegal Dump Site Locations
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide
	Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	Act)/TSCA (Toxic Substances Control Act) FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	. Section 7 Tracking Systems
ICIS	Integrated Compliance Information System

PADS..... PCB Activity Database System MLTS..... Material Licensing Tracking System RADINFO...... Radiation Information Database

RAATS...... RCRA Administrative Action Tracking System

RMP..... Risk Management Plans

COAL ASH DOE..... Steam-Electric Plant Operation Data FEMA UST...... Underground Storage Tank Listing FEDERAL FACILITY..... Federal Facility Site Information listing

LEAD SMELTERS..... Lead Smelter Sites

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

PRP..... Potentially Responsible Parties

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

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

SCRD DRYCLEANERS...... State Coalition for Remediation of Drycleaners Listing

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

EPA WATCH LIST..... EPA WATCH LIST

US FIN ASSUR\_\_\_\_\_\_ Financial Assurance Information PCB TRANSFORMER\_\_\_\_\_ PCB Transformer Registration Database

#### STATE AND LOCAL RECORDS

SPL...... Superfund Program List

AZ WQARF..... Water Quality Assurance Revolving Fund Sites

SHWS.....ZipAcids List

SWF/LF..... Directory of Solid Waste Facilities UIC...... Underground Injection Control Wells

SWTIRE..... Solid Waste Tire Facilities

AST.....List of Aboveground Storage Tanks

MANIFEST..... Facility and Manifest Data

AUL..... DEUR Database

VCP...... Voluntary Remediation Program Sites

DRYCLEANERS...... Drycleaner Facility Listing AZ DOD...... Department of Defense Sites BROWNFIELDS..... Brownfields Tracking System CDL..... Clandestine Drug Labs Dry Wells...... Drywell Registration AIRS..... Arizona Airs Database

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

AZ NPL NPL Detail Listing

#### TRIBAL RECORDS

INDIAN RESERV..... Indian Reservations

INDIAN ODI...... Report on the Status of Open Dumps on Indian Lands INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

INDIAN UST...... Underground Storage Tanks on Indian Land INDIAN VCP...... Voluntary Cleanup Priority Listing

# **EDR PROPRIETARY RECORDS**

EDR MGP..... EDR Proprietary Manufactured Gas Plants EDR Hist Auto\_\_\_\_\_ EDR Exclusive Historic Gas Stations

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

RGA LF...... Recovered Government Archive Solid Waste Facilities List

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

# SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

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

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

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

#### **FEDERAL RECORDS**

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

A review of the US MINES list, as provided by EDR, and dated 08/18/2015 has revealed that there are 3 US MINES sites within the searched area.

Site	Address	Map ID	Page
NEW NGC INCORPORATED		1	4
METRO MATERIALS GLOB		9	16
ST. CLOUD MINING CO		11	16

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 07/20/2015 has revealed that there are 2 FINDS sites within the searched area.

Site	Address	Map ID	Page
MAMMOTH, TOWN OF - W	14610 HIGHWAY 77	3	10
MAMMOTH WWTF	14610 S. STATE RTE 7	3	11

# STATE AND LOCAL RECORDS

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Quality's LUST File Listing by Zip Code.

A review of the LUST list, as provided by EDR, and dated 11/03/2015 has revealed that there are 4 LUST sites within the searched area.

Site	Address	Map ID	Page
SAN CARLOS PROJECT	HWY 77	5	12

Date Closed: 07/30/98 Facility Id: 0-004333 Facility Status: CLOSED			
PINAL APN #306-13-12 Facility Id: 0-010507 Facility Status: Confirmed	203 W HAYDEN AVE	6	12
PARCEL NO. 306-13-17 Date Closed: 08/21/12 Facility Id: 0-008828 Facility Status: CLOSED	706 N HIGHWAY 77	7	13
PINAL APN #306-13-20 Date Closed: 08/21/12 Facility Id: 0-010432 Facility Status: CLOSED	713 N HIGHWAY 77	7	14

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's Arizona UST-DMS Facility and Tank Data Listing by City database.

A review of the UST list, as provided by EDR, and dated 11/03/2015 has revealed that there are 7 UST sites within the searched area.

Site	Address	Map ID	Page
CREOLA DUNGEN Closure Type: Perm Removal Facility Id: 0-006770 Date Closed: 02/15/1990	15062 S HIGHWAY 77	4	12
SAN CARLOS PROJECT Closure Type: Perm Removal Facility Id: 0-004333 Date Closed: 10/21/1997	HWY 77	5	12
PINAL APN #306-13-12 Closure Type: Perm Removal Facility Id: 0-010507 Date Closed: 08/05/2014	203 W HAYDEN AVE	6	12
PARCEL NO. 306-13-17 Closure Type: Perm Removal Facility Id: 0-008828 Date Closed: 01/18/2012	706 N HIGHWAY 77	7	13
PINAL APN #306-13-20 Closure Type: Perm Removal Facility Id: 0-010432 Date Closed: 01/18/2012	713 N HIGHWAY 77	7	14
TOWN OF MAMMOTH Closure Type: Perm Removal Facility Id: 0-005920 Date Closed: 02/01/1991	125 N CLARK ST	8	15
FRED L CLARK TRUCKIN Closure Type: Perm Removal	104 N MAIN ST	8	15

Facility Id: 0-001558 Date Closed: 08/01/1992

SPILLS: The ADEQ Emergency Response unit documents chemical spills and incidents that are referred to the Unit. The logbook information for 1984-1986 consists of handwritten entries of the date, incident number and name of facility if known. Current logbooks are computerized and can be sorted by date, incident number, name, city (zip codes are not included), county, chemical and quantity. The sources is the Department of Environmental Quality's Hazardous Material Logbook.

A review of the SPILLS list, as provided by EDR, and dated 11/15/2001 has revealed that there is 1 SPILLS site within the searched area.

Site	Address	Map ID	Page
PHOENIX FUEL	RIVER RD & HWY 77/CL	2	8
Incident Number: 94-028-C			

WWFAC: Statewide list of waste water treatment facilities.

A review of the WWFAC list, as provided by EDR, and dated 07/09/2012 has revealed that there are 2 WWFAC sites within the searched area.

Site	Address	Map ID	Page
TOWN OF MAMMOTH - CI Place ID: 91551	APPROX. 12 MILES NOR	3	9
MAMMOTH, TOWN OF - W Place ID: 1577	14610 HIGHWAY 77	3	10

The aquifer protection permitted facilities database comes from the Dept. of Env. Quality

A review of the Aquifer list, as provided by EDR, and dated 12/07/2015 has revealed that there is 1 Aquifer site within the searched area.

Site	Address	Map ID	Page
TOWN OF MAMMOTH - CI	APPROX. 12 MILES NOR	3	9
Place ID: 91551			

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

A review of the EMAP list, as provided by EDR, and dated 09/28/2015 has revealed that there are 5 EMAP sites within the searched area.

Site	Address	Map ID	Page
TOWN OF MAMMOTH - CI		3	8

Facility Status: ACTIVE ID Number: 91551			
MAMMOTH, TOWN OF - W Facility Status: ACTIVE ID Number: 1577 ID Number: 18020 ID Number: 18021 ID Number: 18022	14610 HIGHWAY 77	3	10
PINAL APN #306-13-12 Facility Status: ACTIVE ID Number: 146595	203 W HAYDEN AVE	6	12
PARCEL NO. 306-13-17 Facility Status: ACTIVE ID Number: 29500	706 N HIGHWAY 77	7	13
PINAL APN #306-13-20 Facility Status: ACTIVE ID Number: 142423	713 N HIGHWAY 77	7	14

# **EDR PROPRIETARY RECORDS**

EDR Hist Cleaner: 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.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within the searched area.

Site	Address	Map ID	Page
Not reported	221 MAIN ST	10	16

# **EXECUTIVE SUMMARY**

Please refer to the end of the findings report for unmapped orphan sites due to poor or inadequate address information.

# MAP FINDINGS SUMMARY

	Database		Total Plotted
		•	
FEDERAL RECORDS			
	NPL Proposed NPL Delisted NPL NPL LIENS CERCLIS CERCLIS-NFRAP LIENS 2 CORRACTS RCRA-TSDF RCRA-LQG RCRA-SQG RCRA-CESQG RCRA NonGen / NLR US ENG CONTROLS US INST CONTROL ERNS HMIRS DOT OPS US CDL US BROWNFIELDS DOD FUDS LUCIS CONSENT ROD UMTRA ODI DEBRIS REGION 9 US MINES TRIS TSCA FTTS HIST FTTS SSTS ICIS PADS MLTS RADINFO FINDS		000000000000000000000000000000000000000
	RAATS RMP COAL ASH DOE		0 0 0
	FEMA UST FEDERAL FACILITY LEAD SMELTERS		0 0 0
	US AIRS PRP COAL ASH EPA		0 0 0

# MAP FINDINGS SUMMARY

	Database	Total Plotted
	2020 COR ACTION SCRD DRYCLEANERS US HIST CDL EPA WATCH LIST US FIN ASSUR PCB TRANSFORMER	0 0 0 0 0
STATE AND LOCAL REC	ORDS	
	SPL AZ WQARF SHWS SWF/LF UIC SWTIRE LUST UST AST MANIFEST SPILLS AUL VCP DRYCLEANERS AZ DOD BROWNFIELDS CDL Dry Wells WWFAC Aquifer AIRS AZURITE AZ NPL	0 0 0 0 0 0 4 7 0 0 0 1 0 0 0 0 0 0 0
TRIBAL RECORDS	EMAP	5
	INDIAN RESERV INDIAN ODI INDIAN LUST INDIAN UST INDIAN VCP	0 0 0 0 0
EDR PROPRIETARY REC	CORDS	
	EDR MGP EDR Hist Auto EDR Hist Cleaner RGA HWS RGA LF RGA LUST	0 0 1 0 0

# MAP FINDINGS SUMMARY

Database	Total Plotted
	<u> </u>

NOTES:

Sites may be listed in more than one database

# MAP FINDINGS

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

## 1 NEW NGC INCORPORATED

US MINES 1016466120 N/A

**EDR ID Number** 

## PINAL (County), AZ

US MINES:

Mine ID: 0202160

SIC code(s): 149907 000000 000000 000000 000000

Entity name: FELDMAN #2

Company: NEW NGC INCORPORATED

Status: 1

Status date: 19830825 Operation Class: non-Coal Mining

Number of shops: 0
Number of plants: 0
Latitude: 32 45 19
Longitude: 110 38 54

Violations Details:

6587470 Violation Number: Date Issued: 10/28/2010 Mine Status: Active 08/25/1983 Status Date: Action Type: 104(a) Date Abated: 10/28/2010 Citation/Order: Citation Sig and Sub Designation: 100.00 Proposed Penalty: Paid Penalty: 100.00 Assessment Status code: Closed Assess. Case Status code: Proposed Assessment Amount: 100.00 2010 Year:

 Violation Number:
 6587468

 Date Issued:
 10/27/2010

 Mine Status:
 Active

 Status Date:
 08/25/1983

 Action Type:
 104(a)

 Date Abated:
 10/27/2010

 Citation/Order:
 Citation

Sig and Sub Designation: Y

Proposed Penalty: 100.00
Paid Penalty: 100.00
Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 100.00
Year: 2010

Violation Number: 6587469 Date Issued: 10/27/2010 Mine Status: Active Status Date: 08/25/1983 Action Type: 104(a) Date Abated: 10/27/2010 Citation/Order: Citation Sig and Sub Designation: Ν Proposed Penalty: 100.00 Paid Penalty: 100.00 Assessment Status code: Closed

Distance (ft.)Site Database(s) EPA ID Number

## **NEW NGC INCORPORATED (Continued)**

1016466120

**EDR ID Number** 

Assess. Case Status code: Proposed Assessment Amount: 100.00 Year: 2010

Violation Number: 8827363 Date Issued: 10/08/2014 Mine Status: Active Status Date: 08/25/1983 Action Type: 104(a) Date Abated: 11/24/2014 Citation/Order: Citation Sig and Sub Designation: N 100.00 Proposed Penalty: Paid Penalty: 100.00 Assessment Status code: Closed Assess. Case Status code: Proposed 100.00 Assessment Amount: Year: 2014

Violation Number: 6293851 Date Issued: 09/09/2003 Mine Status: Active Status Date: 08/25/1983 Action Type: 104(a) 09/10/2003 Date Abated: Citation/Order: Citation Sig and Sub Designation: Ν Proposed Penalty: 60.00 Paid Penalty: 60.00 Assessment Status code: Closed Assess. Case Status code: Proposed Assessment Amount: 60.00 Year: 2003

6293852 Violation Number: Date Issued: 09/09/2003 Mine Status: Active Status Date: 08/25/1983 Action Type: 104(a) 09/10/2003 Date Abated: Citation/Order: Citation Sig and Sub Designation: Ν Proposed Penalty: 60.00 Paid Penalty: 60.00 Assessment Status code: Closed Assess. Case Status code: Proposed Assessment Amount: 60.00 Year: 2003

Violation Number: 6293853
Date Issued: 09/09/2003
Mine Status: Active
Status Date: 08/25/1983
Action Type: 104(a)
Date Abated: 09/10/2003
Citation/Order: Citation
Sig and Sub Designation: N

Distance (ft.)Site Database(s) EPA ID Number

## **NEW NGC INCORPORATED (Continued)**

1016466120

**EDR ID Number** 

Proposed Penalty: 60.00
Paid Penalty: 60.00
Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 60.00
Year: 2003

Violation Number: 6293854 Date Issued: 09/09/2003 Mine Status: Active 08/25/1983 Status Date: Action Type: 104(a) 09/10/2003 Date Abated: Citation/Order: Citation Sig and Sub Designation: Proposed Penalty: 60.00 Paid Penalty: 60.00 Assessment Status code: Closed Assess. Case Status code: Proposed Assessment Amount: 60.00 Year: 2003

Violation Number: 6293850 Date Issued: 09/09/2003 Mine Status: Active 08/25/1983 Status Date: Action Type: 104(a) Date Abated: 01/21/2004 Citation/Order: Citation Sig and Sub Designation: Ν Proposed Penalty: 60.00 Paid Penalty: 60.00 Assessment Status code: Closed Assess. Case Status code: Proposed 60.00 Assessment Amount: 2003 Year:

Violation Number: 6293849 Date Issued: 09/09/2003 Mine Status: Active Status Date: 08/25/1983 Action Type: 104(a) 01/21/2004 Date Abated: Citation/Order: Citation Sig and Sub Designation: Ν Proposed Penalty: 60.00 Paid Penalty: 60.00 Assessment Status code: Closed Assess. Case Status code: Proposed 60.00 Assessment Amount: Year: 2003

 Violation Number:
 6293848

 Date Issued:
 09/09/2003

 Mine Status:
 Active

 Status Date:
 08/25/1983

 Action Type:
 104(a)

Distance (ft.)Site Database(s) EPA ID Number

## **NEW NGC INCORPORATED (Continued)**

1016466120

**EDR ID Number** 

Date Abated: 09/10/2003 Citation/Order: Citation

Sig and Sub Designation: Y

Proposed Penalty: 106.00
Paid Penalty: 106.00
Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 106.00
Year: 2003

Violation Number: 6293846 Date Issued: 09/09/2003 Mine Status: Active Status Date: 08/25/1983 Action Type: 104(a) Date Abated: 09/10/2003 Citation Citation/Order: Sig and Sub Designation: Ν Proposed Penalty: 60.00 60.00 Paid Penalty: Assessment Status code: Closed Assess. Case Status code: Proposed Assessment Amount: 60.00 Year: 2003

Violation Number: 6293847 Date Issued: 09/09/2003 Mine Status: Active Status Date: 08/25/1983 Action Type: 104(a) 09/10/2003 Date Abated: Citation/Order: Citation Sig and Sub Designation: Proposed Penalty: 60.00 60.00 Paid Penalty: Assessment Status code: Closed Assess. Case Status code: Proposed Assessment Amount: 60.00 Year: 2003

Violation Number: 6452322
Date Issued: 06/03/2009
Mine Status: Active
Status Date: 08/25/1983
Action Type: 104(a)
Date Abated: 06/04/2009
Citation/Order: Citation
Sig and Sub Designation: N

Proposed Penalty: Not reported Paid Penalty: Not reported Assessment Status code: Not reported Assess. Case Status code: Not reported Assessment Amount: Not reported Year: 2009

Violation Number: 6325968

Violation Number: 6325968
Date Issued: 05/30/2007

Distance (ft.)Site Database(s) **EPA ID Number** 

## **NEW NGC INCORPORATED (Continued)**

**EDR ID Number** 

1016466120

Mine Status: Active 08/25/1983 Status Date: Action Type: 104(a) Date Abated: 05/31/2007 Citation/Order: Citation Sig and Sub Designation:

Proposed Penalty: Not reported Paid Penalty: Not reported Assessment Status code: Not reported Assess. Case Status code: Not reported Not reported Assessment Amount:

Year: 2007

Violation Number: 8827007 Date Issued: 04/10/2014 Mine Status: Active 08/25/1983 Status Date: Action Type: 104(a) 04/10/2014 Date Abated: Citation Citation/Order: Sig and Sub Designation: N Proposed Penalty: 138.00 Paid Penalty: 138.00 Assessment Status code: Closed Assess. Case Status code: Proposed Assessment Amount: 138.00 Year: 2014

2 **PHOENIX FUEL** SPILLS S101092842 **RIVER RD & HWY 77/CLARK PIT #1** MAMMOTH, AZ

SPILLS:

05/25/94 Incident Date: Private Property Mngmt: Chemicals: Diesel Response Date: N/A Type: Release Referred to: SWU & APP Fund Amount: Pvt/Unk Quantity: 2-2500 gals. Incident Number: 94-028-C 5/25/1994 Referral Date: Tank Structure: 05/25/94 Date Report:

3 **TOWN OF MAMMOTH - CIELO WWTP EMAP** S117617912 N/A

MAMMOTH, AZ

EMAP:

ID Number: 91551 Township: 9S Range: 15E Section: 11

Not reported Quarter 1:

N/A

Map ID Direction Distance Distance (ft.)Site

Direction EDR ID Number

Database(s) EPA ID Number

S117617912

## **TOWN OF MAMMOTH - CIELO WWTP (Continued)**

Quarter 2: Not reported
Quarter 3: Not reported
Latitude: 32.741066667
Longitude: -110.648272222
Collection Method: DIGITAL IMAGERY

Place Type: WASTEWATER TREATMENT PLANT

Place Type Code: WWTP
Place C Code: PP
Facility Status: ACTIVE
End Date: Not reported

Verified:

# TOWN OF MAMMOTH - CIELO WWTP APPROX. 12 MILES NORTHEAST OF ORACLE JUNCTION ON STATE ROUTE MAMMOTH. AZ

Aquifer S108106929 WWFAC N/A

AQUIFER:

Invoice #: 105647 Place ID: 91551 LTF Number: 60498

Permit Type: APP, Individual Permit, Minor Amendment

Permit Status:

AZ PDES Permit #: Not reported

Facility Type: WASTEWATER TREATMENT PLANT

 Latitude:
 32.741066667

 Longitude:
 110.648272222

 Issue Date:
 06/13/2014

 Expire Date:
 Not reported

 App Name:
 Town Of Mammoth

 App Address:
 PO BOX 30

App City/State/Zip: MAMMOTH, AZ 85618

Phone: (520) 487-2331

 Invoice #:
 105647

 Place ID:
 91551

 LTF Number:
 53512

Permit Type: AZPDES, Individual Permit, Minor WWTP Facility, No Public hearing

Permit Status:

AZ PDES Permit #: AZ0025470

Facility Type: WASTEWATER TREATMENT PLANT

 Latitude:
 32.741066667

 Longitude:
 110.648272222

 Issue Date:
 12/28/2011

 Expire Date:
 12/27/2016

 App Name:
 Town Of Mammoth

 App Address:
 PO BOX 30

App City/State/Zip: MAMMOTH, AZ 85618 Phone: (520) 487-2331

WWFAC:

Place ID: 91551 Inventory ID: 105647 Facility Code: WWTP

Facility Type: WASTEWATER TREATMENT PLANT

Distance (ft.)Site Database(s) EPA ID Number

3 MAMMOTH, TOWN OF - WWTP 14610 HIGHWAY 77 SAN MANUEL, AZ 85631 FINDS 1007124615 WWFAC N/A EMAP

**EDR ID Number** 

FINDS:

Registry ID: 110015935069

Environmental Interest/Information System

AZURITE (Arizona Unified Repository For Informational Tracking Of The Environment is the Arizona Department of Environmental Quality (ADEQ) database that is used for environmental enforcement and compliance reporting to the Permit and Compliance (PCS) system and to the Air

Facility System Universal Interface (AFS-UI).

WWFAC:

Place ID: 1577 Inventory ID: 101690 Facility Code: WWTP

Facility Type: WASTEWATER TREATMENT PLANT

EMAP:

 ID Number:
 1577

 Township:
 8S

 Range:
 17E

 Section:
 18

 Quarter 1:
 SW

 Quarter 2:
 NE

 Quarter 3:
 NE

Latitude: 32.741066389 Longitude: -110.648273333

Collection Method: GPS WITH CORRECTION < 3 METER ERROR

Place Type: WASTEWATER TREATMENT PLANT

Place Type Code: WWTP
Place C Code: PP
Facility Status: ACTIVE
End Date: Not reported

Verified: Y

 ID Number:
 18020

 Township:
 8N

 Range:
 17W

 Section:
 18

Quarter 1: Not reported
Quarter 2: Not reported
Quarter 3: Not reported
Latitude: 32.740833333
Longitude: -110.648055556

Collection Method: PROVIDED IN A WATER QUALITY PERMIT Place Type: WASTEWATER MONITORING POINT

Place Type Code: WWMP
Place C Code: RO
Facility Status: ACTIVE
End Date: Not reported

Verified:

ID Number: 18021

Distance (ft.)Site Database(s) EPA ID Number

# MAMMOTH, TOWN OF - WWTP (Continued)

1007124615

**EDR ID Number** 

Township: 8N Range: 17W Section: 18

Quarter 1: Not reported
Quarter 2: Not reported
Quarter 3: Not reported
Latitude: 32.741666667
Longitude: -110.647222222

Collection Method: PROVIDED IN A WATER QUALITY PERMIT Place Type: WASTEWATER MONITORING POINT

Place Type Code: WWMP
Place C Code: RO
Facility Status: ACTIVE
End Date: Not reported

Verified: Y

 ID Number:
 18022

 Township:
 8N

 Range:
 17W

 Section:
 18

Quarter 1:Not reportedQuarter 2:Not reportedQuarter 3:Not reportedLatitude:32.740833333Longitude:-110.648055556

Collection Method: PROVIDED IN A WATER QUALITY PERMIT Place Type: WASTEWATER MONITORING POINT

Place Type Code: WWMP
Place C Code: RO
Facility Status: ACTIVE
End Date: Not reported

Verified:

3 MAMMOTH WWTF 14610 S. STATE RTE 77 MAMMOTH, AZ 85618

FINDS:

Registry ID: 110055977420

Environmental Interest/Information System

AZURITE (Arizona Unified Repository For Informational Tracking Of The Environment is the Arizona Department of Environmental Quality (ADEQ) database that is used for environmental enforcement and compliance reporting to the Permit and Compliance (PCS) system and to the Air Facility System Universal Interface (AFS-UI).

**FINDS** 

1012271197

N/A

# MAP FINDINGS

Map ID Direction Distance

Distance (ft.)Site Database(s) EPA ID Number

4 CREOLA DUNGEN UST U001628173 15062 S HIGHWAY 77 N/A

UST:

MAMMOTH, AZ 85618

Facility ID: 0-006770

Owner: DUNGEN, CREOLA

Latitude: 32.737067 Longitude: 110.649657

Tank ID:

Date Closed: 02/15/1990
Closure Type: Perm Removal

Tank ID: 2

Date Closed: 02/15/1990
Closure Type: Perm Removal

5 SAN CARLOS PROJECT LUST U001000049 HWY 77 UST N/A

LUST:

MAMMOTH, AZ

Facility Name: SAN CARLOS PROJECT

Facility ID: 0-004333
Facility Status: CLOSED
Date Closed: 07/30/98

Lust Number: 3639.02

Leak Priority: CLOSED SOIL LVL MEETS TIER1

Notification: 11/04/97

UST:

Facility ID: 0-004333

Owner: SAN CARLOS IRRIGATION PROJECT

Latitude: 32.734267 Longitude: 110.650995

Tank ID:

Date Closed: 10/21/1997
Closure Type: Perm Removal

6 PINAL APN #306-13-121 LUST U004224586 203 W HAYDEN AVE UST N/A MAMMOTH, AZ 85618 EMAP

LUST:

Facility Name: PINAL APN #306-13-121

Facility ID: 0-010507
Facility Status: Confirmed
Date Closed: Not reported

Lust Number: 5623.01

Leak Priority: UNDEFINED OR UNKNOWN SOIL CONTAMINATION

Notification: 09/09/14

UST:

**EDR ID Number** 

Distance (ft.)Site Database(s) EPA ID Number

# PINAL APN #306-13-121 (Continued)

U004224586

**EDR ID Number** 

 Facility ID:
 0-010507

 Owner:
 None

 Latitude:
 32.733773

 Longitude:
 110.649406

Tank ID:

Date Closed: 08/05/2014
Closure Type: Perm Removal

Tank ID: 2

Date Closed: 08/05/2014

Closure Type: Perm Removal

Tank ID:

Date Closed: 08/05/2014
Closure Type: Perm Removal

Tank ID:

Date Closed: 08/05/2014
Closure Type: Perm Removal

EMAP:

ID Number: 146595 Township: Not reported Range: Not reported Section: Not reported Quarter 1: Not reported Quarter 2: Not reported Quarter 3: Not reported 32.733775000 Latitude: Longitude: -110.649441667

Collection Method: LOCATED FROM COUNTY PARCEL INFORMATION

Place Type: GAS FILLING STATION - COMMERCIAL

Place Type Code: GS
Place C Code: PP
Facility Status: ACTIVE
End Date: Not reported

Verified: Y

# 7 PARCEL NO. 306-13-176D 706 N HIGHWAY 77 MAMMOTH, AZ 85618

LUST U003153825

UST N/A EMAP

LUST:

Facility Name: PARCEL NO. 306-13-176D

Facility ID: 0-008828
Facility Status: CLOSED
Date Closed: 08/21/12

Lust Number: 5576.01

Leak Priority: CLOSED SOIL LVL MEETS TIER1

Notification: 03/08/12

UST:

Facility ID: 0-008828

Owner: SALIM & NABILA ABUKHZAM

Latitude: 32.730714

Distance (ft.)Site Database(s) EPA ID Number

PARCEL NO. 306-13-176D (Continued)

Tank ID: 1

Date Closed: 01/18/2012
Closure Type: Perm Removal

Tank ID: 2

Date Closed: 01/18/2012
Closure Type: Perm Removal

EMAP:

Longitude:

 ID Number:
 29500

 Township:
 8S

 Range:
 17E

 Section:
 18

Quarter 1: Not reported
Quarter 2: Not reported
Quarter 3: Not reported
Latitude: 32.730714970
Longitude: -110.647658415

Collection Method: LOCATED FROM COUNTY PARCEL INFORMATION

Place Type: GROCERY STORE/CONVENIENCE STORE

110.647658

Place Type Code: GROC
Place C Code: PP
Facility Status: ACTIVE
End Date: Not reported

Verified: Y

7 PINAL APN #306-13-203 713 N HIGHWAY 77 MAMMOTH, AZ 85618 LUST U004189644 UST N/A EMAP

**EDR ID Number** 

U003153825

LUST:

Facility Name: PINAL APN #306-13-203

Facility ID: 0-010432
Facility Status: CLOSED
Date Closed: 08/21/12

Lust Number: 5575.01

Leak Priority: CLOSED SOIL LVL MEETS TIER1

Notification: 03/08/12

UST:

 Facility ID:
 0-010432

 Owner:
 None

 Latitude:
 32.732101

 Longitude:
 110.647452

Tank ID: 1

Date Closed: 01/18/2012
Closure Type: Perm Removal

Tank ID: 2

Date Closed: 01/18/2012
Closure Type: Perm Removal

Tank ID: 3

Distance (ft.)Site Database(s) EPA ID Number

PINAL APN #306-13-203 (Continued)

U004189644

**EDR ID Number** 

Date Closed: 01/18/2012
Closure Type: Perm Removal

EMAP:

ID Number: 142423 Township: Not reported Not reported Range: Section: Not reported Quarter 1: Not reported Quarter 2: Not reported Quarter 3: Not reported Latitude: 32.732091667 Longitude: -110.647477778

Collection Method: LOCATED FROM COUNTY PARCEL INFORMATION

Place Type: GAS FILLING STATION - COMMERCIAL

Place Type Code: GS
Place C Code: PP
Facility Status: ACTIVE
End Date: Not reported

Verified:

8 TOWN OF MAMMOTH 125 N CLARK ST

UST:

MAMMOTH, AZ 85618

Facility ID: 0-005920

Owner: TOWN OF MAMMOTH

Latitude: 32.721888 Longitude: 110.641094

Tank ID:

Date Closed: 02/01/1991
Closure Type: Perm Removal

8 FRED L CLARK TRUCKING CO 104 N MAIN ST MAMMOTH, AZ 85618 UST U001157898 N/A

UST U003091376

N/A

UST:

Facility ID: 0-001558

Owner: FRED CLARK TRUCKING COMPANY

Latitude: 32.720906 Longitude: 110.639553

Tank ID:

Date Closed: 08/01/1992
Closure Type: Perm Removal

Tank ID: 2

Date Closed: 08/01/1992
Closure Type: Perm Removal

# MAP FINDINGS

Map ID Direction Distance

Distance (ft.)Site Database(s) **EPA ID Number** 

9 **METRO MATERIALS GLOBE US MINES** 1011121206 N/A

PINAL (County), AZ

US MINES:

Mine ID: 0200656

144200 000000 000000 000000 000000 000000 SIC code(s):

Entity name: MAMMOTH

Company: METRO MATERIALS GLOBE

Status:

Status date: 20020813 Operation Class: non-Coal Mining

Number of shops: 0 Number of plants: 0 00 00 00 Latitude: Longitude: 000 00 00

10 **EDR Hist Cleaner** 1015020625

N/A

**EDR ID Number** 

221 MAIN ST MAMMOTH, AZ 85618

**EDR Historical Cleaners:** 

Name: TLC LAUNDRY TENDER LAUNDRY CARE

Year: Address: 221 MAIN ST

11 ST. CLOUD MINING CO **US MINES** 1011122866 N/A

PINAL (County), AZ

US MINES:

Mine ID: 0202342

149904 000000 000000 000000 000000 000000 SIC code(s):

WHITE CLIFFS MINE & PLANT Entity name: Company: ST. CLOUD MINING CO

Status:

Status date: 20120101 Operation Class: non-Coal Mining

Number of shops: 0 Number of plants: 0 Latitude: 32 42 30 Longitude: 110 37 36

Violations Details:

Year:

Violation Number: 6293865 Date Issued: 09/16/2003 Mine Status: Abandoned Status Date: 01/01/2012 Action Type: 104(a) Date Abated: 09/16/2003 Citation/Order: Citation Sig and Sub Designation: Ν Proposed Penalty: 60.00 Paid Penalty: 60.00 Assessment Status code: Closed Assess. Case Status code: Proposed 60.00 Assessment Amount:

2003

Distance (ft.)Site Database(s) EPA ID Number

# ST. CLOUD MINING CO (Continued)

1011122866

**EDR ID Number** 

Violation Number: 6293864 Date Issued: 09/16/2003 Abandoned Mine Status: Status Date: 01/01/2012 Action Type: 104(a) 10/30/2003 Date Abated: Citation/Order: Citation Sig and Sub Designation: Proposed Penalty: 60.00 Paid Penalty: 60.00 Assessment Status code: Closed Assess. Case Status code: Proposed Assessment Amount: 60.00 Year: 2003

Violation Number: 6293866 Date Issued: 09/16/2003 Mine Status: Abandoned Status Date: 01/01/2012 Action Type: 104(a) Date Abated: 10/30/2003 Citation/Order: Citation Sig and Sub Designation: Ν Proposed Penalty: 60.00 Paid Penalty: 60.00 Assessment Status code: Closed Assess. Case Status code: Proposed Assessment Amount: 60.00 Year: 2003

6293858 Violation Number: Date Issued: 09/11/2003 Mine Status: Abandoned Status Date: 01/01/2012 Action Type: 104(a) 09/11/2003 Date Abated: Citation/Order: Citation Sig and Sub Designation: Ν Proposed Penalty: 60.00 Paid Penalty: 60.00 Assessment Status code: Closed Assess. Case Status code: Proposed Assessment Amount: 60.00 2003 Year:

Violation Number: 6293859 Date Issued: 09/11/2003 Mine Status: Abandoned Status Date: 01/01/2012 Action Type: 104(a) Date Abated: 10/30/2003 Citation/Order: Citation Sig and Sub Designation: Ν Proposed Penalty: 60.00 Paid Penalty: 60.00 Assessment Status code: Closed Assess. Case Status code: Proposed

Distance (ft.)Site Database(s) EPA ID Number

## ST. CLOUD MINING CO (Continued)

1011122866

**EDR ID Number** 

Assessment Amount: 60.00 Year: 2003

Violation Number: 6293860 Date Issued: 09/11/2003 Mine Status: Abandoned Status Date: 01/01/2012 Action Type: 104(a) Date Abated: 09/16/2003 Citation/Order: Citation Sig and Sub Designation: Ν Proposed Penalty: 60.00 Paid Penalty: 60.00 Assessment Status code: Closed Assess. Case Status code: Proposed Assessment Amount: 60.00 2003 Year:

Violation Number: 6293862 Date Issued: 09/11/2003 Mine Status: Abandoned Status Date: 01/01/2012 Action Type: 104(a) Date Abated: 10/30/2003 Citation/Order: Citation Sig and Sub Designation: Ν Proposed Penalty: 60.00 Paid Penalty: 60.00 Assessment Status code: Closed Assess. Case Status code: Proposed 60.00 Assessment Amount: Year: 2003

Date Issued: 09/11/2003 Mine Status: Abandoned 01/01/2012 Status Date: Action Type: 104(a) 10/30/2003 Date Abated: Citation/Order: Citation Sig and Sub Designation: Υ Proposed Penalty: 98.00 Paid Penalty: 98.00 Assessment Status code: Closed Assess. Case Status code: Proposed 98.00 Assessment Amount: Year: 2003

6293863

Violation Number:

Violation Number: 6293857 09/11/2003 Date Issued: Mine Status: Abandoned Status Date: 01/01/2012 Action Type: 104(a) Date Abated: 09/11/2003 Citation Citation/Order: Sig and Sub Designation: Υ Proposed Penalty: 123.00

Distance (ft.)Site Database(s) EPA ID Number

## ST. CLOUD MINING CO (Continued)

1011122866

**EDR ID Number** 

Paid Penalty: 123.00
Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 123.00
Year: 2003

Violation Number: 6293856 Date Issued: 09/11/2003 Mine Status: Abandoned Status Date: 01/01/2012 Action Type: 104(a) Date Abated: 10/30/2003 Citation/Order: Citation Sig and Sub Designation: Proposed Penalty: 177.00 Paid Penalty: 177.00 Closed Assessment Status code: Assess. Case Status code: Proposed Assessment Amount: 177.00 2003 Year:

Violation Number: 6293855 09/11/2003 Date Issued: Mine Status: Abandoned Status Date: 01/01/2012 Action Type: 107(a) Date Abated: 10/30/2003 Citation/Order: Order Sig and Sub Designation: Not reported Proposed Penalty: Not reported Paid Penalty: Not reported Assessment Status code: Not reported Assess. Case Status code: Not reported Assessment Amount: Not reported 2003 Year:

Violation Number: 6293861 Date Issued: 09/11/2003 Mine Status: Abandoned Status Date: 01/01/2012 Action Type: 104(a) Date Abated: 10/30/2003 Citation/Order: Citation Sig and Sub Designation: Proposed Penalty: 60.00 Paid Penalty: 60.00 Assessment Status code: Closed Assess. Case Status code: Proposed Assessment Amount: 60.00 2003 Year:

 Violation Number:
 6053976

 Date Issued:
 02/11/2008

 Mine Status:
 Abandoned

 Status Date:
 01/01/2012

 Action Type:
 104(a)

 Date Abated:
 02/11/2008

# MAP FINDINGS

Map ID
Direction
Distance

Distance (ft.)Site Database(s) EPA ID Number

# ST. CLOUD MINING CO (Continued)

1011122866

**EDR ID Number** 

Citation/Order: Citation
Sig and Sub Designation: N
Proposed Penalty: 100.00
Paid Penalty: 100.00
Assessment Status code: Closed
Assess. Case Status code: Proposed
Assessment Amount: 100.00
Year: 2008

Violation Number: 6452263 01/22/2009 Date Issued: Mine Status: Abandoned Status Date: 01/01/2012 Action Type: 104(a) Date Abated: 01/22/2009 Citation/Order: Citation Sig and Sub Designation: Ν Proposed Penalty: 100.00 100.00 Paid Penalty: Assessment Status code: Closed Assess. Case Status code: Proposed Assessment Amount: 100.00 Year: 2009

Count: 27 records ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MAMMOTH	A100354988	MAMMOTH TERMINAL	ROUTE 73 MAMMOTH CITY LIMITS	85618	AST
MAMMOTH	1011917860	SAN MANUEL MINE	HWY 76	85618	WWFAC
PINAL COUNTY	S106205175	KEARNEY	1 MILE WEST OF KEARNEY ON AZ 177		SWF/LF
PINAL COUNTY	S117038614	MARICOPA #1	.8 MILES EAST OF MARICOPA RD. ON NORTH SIDE OF CASA GRANDE		SWF/LF
PINAL COUNTY	S103278441	STANFIELD	1.2 MILES W OF MARICOPA RD. ON AZ 84		SWF/LF
PINAL COUNTY	S103895180	KELVIN/RIVERSIDE	1.3 MILES SOUTH OF AZ 177 ON MINERAL CREEK RD.		SWF/LF
PINAL COUNTY	S117038629	SAN MANUEL	MC NAB PARKWAY THROUGH TOWN TO DEAD END LEFT .4 MILES		SWF/LF
PINAL COUNTY	S103895185	TOWN OF MAMMOTH	OFF HWY 77 ON N END OF TOWN		SWF/LF
PINAL COUNTY	S108630431	FLORENCE	ON US 80,89 .35 MILES SOUTH OF MILEPOST 138		SWF/LF
SAN MANUEL	1000123468	SAN MANUEL AZ RAILROAD CO	HWY 76 MCNAB RD	85631	RCRA NonGen / NLR
SAN MANUEL	S114977319	SAN MANUEL MINE	HWY 76		RGA LUST
SAN MANUEL	S114974367	MAGMA COPPER CO SAN MANUEL TGC	HWY 76 PO BOX M		RGA LUST
SAN MANUEL	1014627374	SAN MANUEL SUBSTATION	HWY 76 PARKWAY		PCB TRANSFORMER
SAN MANUEL	1014631654	SAN MANUEL SUBSTATION	HWY 76 PARKWAY		PCB TRANSFORMER
SAN MANUEL	S114982093	MAGMA COPPER CO- SAN MANUEL	HWY 76		RGA HWS
SAN MANUEL	S114981281	WMI - SAN MANUEL TRANSFER STATION	HWY 77, RT ON MCNAB, LFT ON ERICKSON, 1/4 MILE ON LFT		RGA LF
SAN MANUEL	S114981280	WMI - SAN MANUEL TRANSFER STATION	HWY 77, RT ON MCNAB, LFT ON ERICKSON, 1/4 MILE ON LFT,		RGA LF
SAN MANUEL	S114977317	SAN MANUEL MAIN CO #125280	105 N AVE G		RGA LUST
SAN MANUEL	A100381436	SAN MANUEL AIRPORT	75829 EAST AVENIDA DE AVIACION		AST
SAN MANUEL	U004241451	SAN MANUEL MAIN CO #125280	105 W AVENUE G	85631	LUST, UST
SAN MANUEL	S114977315	SAN MANUEL HIGH SCHOOL	711 MCNAB PARK		RGA LUST
SAN MANUEL	S103932011	NEWMONT EXPLOR. OLD RELIABLE MINE	12 M NW OF	85631	SHWS
SAN MANUEL	S114974365	MAGMA COPPER CO SAN MANUEL TGC	200 S REDDINGTON ROAD		RGA LUST
SAN MANUEL	S114974364	MAGMA COPPER CO SAN MANUEL TGC	200 S REDDINGTON RD		RGA LUST
SAN MANUEL	S114974366	MAGMA COPPER CO SAN MANUEL TGC	200 S REDINGTON RD		RGA LUST
SAN MANUEL	1014631635	SAN MANUEL SUBSTATION, MAGMA COPPER CO.	SAN MANUEL SUBSTATION, MAGMA COPPER CO.		PCB TRANSFORMER
SAN MANUEL	S110124358	SAN MANUEL WWTP	SAN MANUEL		WWFAC

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.

# **FEDERAL RECORDS**

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: 10/30/2015 Source: EPA
Date Data Arrived at EDR: 11/07/2015 Telephone: N/A

Number of Days to Update: 58

Next Scheduled EDR Contact: 04/18/2016

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: 10/30/2015 Source: EPA
Date Data Arrived at EDR: 11/07/2015 Telephone: N/A

Number of Days to Update: 58

Next Scheduled EDR Contact: 04/18/2016

Data Release Frequency: Quarterly

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: 10/30/2015 Source: EPA
Date Data Arrived at EDR: 11/07/2015 Telephone: N/A

Number of Days to Update: 58 Next Scheduled EDR Contact: 04/18/2016
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

#### CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS 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). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 11/11/2013 Date Made Active in Reports: 02/13/2014

Number of Days to Update: 94

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 11/23/2015

Next Scheduled EDR Contact: 03/07/2016 Data Release Frequency: Quarterly

#### CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This 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 a potential NPL site.

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 11/11/2013 Date Made Active in Reports: 02/13/2014

Number of Days to Update: 94

Source: EPA

Telephone: 703-412-9810 Last EDR Contact: 11/23/2015

Next Scheduled EDR Contact: 03/07/2016 Data Release Frequency: Quarterly

## 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: 02/18/2014 Date Data Arrived at EDR: 03/18/2014 Date Made Active in Reports: 04/24/2014

Number of Days to Update: 37

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 01/25/2016

Next Scheduled EDR Contact: 05/09/2016 Data Release Frequency: Varies

# CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 12/18/2015

Next Scheduled EDR Contact: 04/11/2016 Data Release Frequency: Quarterly

#### 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: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 12/18/2015

Next Scheduled EDR Contact: 04/11/2016 Data Release Frequency: Quarterly

## 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: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 12/18/2015

Next Scheduled EDR Contact: 04/11/2016 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: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: Environmental Protection Agency Telephone: (415) 495-8895

Last EDR Contact: 12/18/2015

Next Scheduled EDR Contact: 04/11/2016 Data Release Frequency: Quarterly

# RCRA-CESQG: RCRA - 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 12/18/2015

Next Scheduled EDR Contact: 04/11/2016 Data Release Frequency: Varies

# 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: 06/09/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 12/18/2015

Next Scheduled EDR Contact: 04/11/2016

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: 09/10/2015 Date Data Arrived at EDR: 09/11/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 53

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 11/24/2015

Next Scheduled EDR Contact: 03/14/2016 Data Release Frequency: Varies

#### US INST CONTROL: Sites with Institutional Controls

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: 09/10/2015 Date Data Arrived at EDR: 09/11/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 53

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 11/24/2015

Next Scheduled EDR Contact: 03/14/2016 Data Release Frequency: Varies

# 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: 06/22/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 82

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 12/29/2015

Next Scheduled EDR Contact: 04/11/2016 Data Release Frequency: Annually

#### HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 06/24/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 09/02/2015

Number of Days to Update: 68

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 12/30/2015

Next Scheduled EDR Contact: 04/11/2016 Data Release Frequency: Annually

# DOT OPS: Incident and Accident Data

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

Date of Government Version: 07/31/2012 Date Data Arrived at EDR: 08/07/2012 Date Made Active in Reports: 09/18/2012

Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 02/03/2016

Next Scheduled EDR Contact: 05/16/2016 Data Release Frequency: Varies

#### US CDL: Clandestine Drug Labs

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

Date of Government Version: 08/12/2015 Date Data Arrived at EDR: 09/04/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 60

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 11/25/2015

Next Scheduled EDR Contact: 03/14/2016 Data Release Frequency: Quarterly

## 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: 09/21/2015
Date Data Arrived at EDR: 09/23/2015
Date Made Active in Reports: 01/04/2016

Number of Days to Update: 103

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 12/21/2015

Next Scheduled EDR Contact: 04/04/2016 Data Release Frequency: Semi-Annually

#### DOD: Department of Defense Sites

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

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

Number of Days to Update: 62

Source: USGS Telephone: 888-275-8747 Last EDR Contact: 01/15/2016

Next Scheduled EDR Contact: 04/25/2016 Data Release Frequency: Semi-Annually

#### 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: 01/31/2015 Date Data Arrived at EDR: 07/08/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 97

Source: U.S. Army Corps of Engineers Telephone: 202-528-4285

Last EDR Contact: 12/11/2015

Next Scheduled EDR Contact: 03/21/2016 Data Release Frequency: Varies

## LUCIS: Land Use Control Information System

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

Date of Government Version: 05/28/2015 Date Data Arrived at EDR: 05/29/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 13

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 11/13/2015

Next Scheduled EDR Contact: 02/29/2016 Data Release Frequency: Varies

# 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: 12/31/2014 Date Data Arrived at EDR: 04/17/2015 Date Made Active in Reports: 06/02/2015

Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 12/23/2015

Next Scheduled EDR Contact: 04/11/2016 Data Release Frequency: Varies

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: 11/25/2013 Date Data Arrived at EDR: 12/12/2013 Date Made Active in Reports: 02/24/2014

Number of Days to Update: 74

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 12/11/2015

Next Scheduled EDR Contact: 03/21/2016 Data Release Frequency: Annually

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: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012

Number of Days to Update: 146

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 11/19/2015

Next Scheduled EDR Contact: 03/07/2016 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: 01/25/2016

Next Scheduled EDR Contact: 05/09/2016

Data Release Frequency: No Update Planned

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: 12/04/2015

Next Scheduled EDR Contact: 03/14/2016 Data Release Frequency: Varies

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: 12/05/2005 Date Data Arrived at EDR: 02/29/2008 Date Made Active in Reports: 04/18/2008

Number of Days to Update: 49

Source: USGS Telephone: 703-648-7709 Last EDR Contact: 12/04/2015

Next Scheduled EDR Contact: 03/14/2016 Data Release Frequency: Varies

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: 08/18/2015 Date Data Arrived at EDR: 09/01/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 125

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 12/03/2015

Next Scheduled EDR Contact: 03/14/2016 Data Release Frequency: Semi-Annually

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: 12/31/2013 Date Data Arrived at EDR: 02/12/2015 Date Made Active in Reports: 06/02/2015

Number of Days to Update: 110

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 11/24/2015

Next Scheduled EDR Contact: 03/07/2016 Data Release Frequency: Annually

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: 12/31/2012 Date Data Arrived at EDR: 01/15/2015 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 14

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 12/23/2015

Next Scheduled EDR Contact: 04/04/2016 Data Release Frequency: Every 4 Years

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: 11/18/2015

Next Scheduled EDR Contact: 03/07/2016 Data Release Frequency: Quarterly

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: 11/18/2015

Next Scheduled EDR Contact: 03/07/2016 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

## 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: 12/31/2009 Date Data Arrived at EDR: 12/10/2010 Date Made Active in Reports: 02/25/2011

Number of Days to Update: 77

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 01/25/2016

Next Scheduled EDR Contact: 05/09/2016 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: 01/23/2015 Date Data Arrived at EDR: 02/06/2015 Date Made Active in Reports: 03/09/2015

Number of Days to Update: 31

Source: Environmental Protection Agency

Telephone: 202-564-5088 Last EDR Contact: 01/08/2016

Next Scheduled EDR Contact: 04/25/2016 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: 07/01/2014 Date Data Arrived at EDR: 10/15/2014 Date Made Active in Reports: 11/17/2014

Number of Days to Update: 33

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 01/12/2016

Next Scheduled EDR Contact: 04/25/2016 Data Release Frequency: Annually

# 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: 06/26/2015 Date Data Arrived at EDR: 07/10/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 95

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 12/07/2015

Next Scheduled EDR Contact: 03/21/2016 Data Release Frequency: Quarterly

#### 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: 07/07/2015 Date Data Arrived at EDR: 07/09/2015 Date Made Active in Reports: 09/16/2015

Number of Days to Update: 69

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 01/07/2016

Next Scheduled EDR Contact: 04/18/2016 Data Release Frequency: Quarterly

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

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

Date of Government Version: 07/20/2015 Date Data Arrived at EDR: 09/09/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 55

Source: EPA

Telephone: (415) 947-8000 Last EDR Contact: 12/10/2015

Next Scheduled EDR Contact: 03/21/2016 Data Release Frequency: Quarterly

## 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

## 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: 08/01/2015 Date Data Arrived at EDR: 08/26/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 69

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 01/25/2016

Next Scheduled EDR Contact: 05/09/2016 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: 12/31/2013 Date Data Arrived at EDR: 02/24/2015 Date Made Active in Reports: 09/30/2015

Number of Days to Update: 218

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 11/24/2015

Next Scheduled EDR Contact: 03/07/2016 Data Release Frequency: Biennially

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010 Date Data Arrived at EDR: 02/16/2010 Date Made Active in Reports: 04/12/2010

Number of Days to Update: 55

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 01/08/2016

Next Scheduled EDR Contact: 04/25/2016 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: 07/01/2014 Date Data Arrived at EDR: 09/10/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 12/11/2015

Next Scheduled EDR Contact: 03/21/2016 Data Release Frequency: Varies

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: 03/26/2015 Date Data Arrived at EDR: 04/08/2015 Date Made Active in Reports: 06/11/2015

Number of Days to Update: 64

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 01/06/2016

Next Scheduled EDR Contact: 04/18/2016 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: 09/01/2015 Date Data Arrived at EDR: 09/03/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 61

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 11/13/2015

Next Scheduled EDR Contact: 02/29/2016 Data Release Frequency: Quarterly

US HIST CDL: National Clandestine Laboratory Register

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: 08/12/2015 Date Data Arrived at EDR: 09/04/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 60

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 08/31/2015

Next Scheduled EDR Contact: 12/14/2015 Data Release Frequency: No Update Planned

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 02/01/2011 Date Data Arrived at EDR: 10/19/2011 Date Made Active in Reports: 01/10/2012

Number of Days to Update: 83

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 01/29/2016

Next Scheduled EDR Contact: 05/09/2016 Data Release Frequency: Varies

#### 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: 11/10/2015

Next Scheduled EDR Contact: 02/22/2016 Data Release Frequency: Quarterly

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014 Date Data Arrived at EDR: 11/26/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 64

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 01/26/2016

Next Scheduled EDR Contact: 04/18/2016

Data Release Frequency: Varies

#### LEAD SMELTER 2: Lead Smelter Sites

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

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

Number of Days to Update: 36

Source: American Journal of Public Health

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

Data Release Frequency: No Update Planned

# PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013 Date Data Arrived at EDR: 10/17/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 3

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 11/13/2015

Next Scheduled EDR Contact: 02/22/2016 Data Release Frequency: Quarterly

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

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

Date of Government Version: 04/22/2013 Date Data Arrived at EDR: 03/03/2015 Date Made Active in Reports: 03/09/2015

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: 703-308-4044 Last EDR Contact: 11/13/2015

Next Scheduled EDR Contact: 02/22/2016 Data Release Frequency: Varies

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 08/07/2009 Date Made Active in Reports: 10/22/2009

Number of Days to Update: 76

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 01/13/2016

Next Scheduled EDR Contact: 04/25/2016 Data Release Frequency: Varies

## 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: 10/20/2015 Date Data Arrived at EDR: 10/27/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 69

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 12/22/2015

Next Scheduled EDR Contact: 04/11/2016 Data Release Frequency: Annually

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

Date of Government Version: 10/20/2015 Date Data Arrived at EDR: 10/27/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 69

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 12/22/2015

Next Scheduled EDR Contact: 04/11/2016 Data Release Frequency: Annually

# 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: 03/07/2011 Date Data Arrived at EDR: 03/09/2011 Date Made Active in Reports: 05/02/2011

Number of Days to Update: 54

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 11/19/2015

Next Scheduled EDR Contact: 02/29/2016 Data Release Frequency: Varies

## STATE AND LOCAL RECORDS

# 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: 12/03/2004 Date Made Active in Reports: 01/25/2005

Number of Days to Update: 53

Source: Department of Environmental Quality

Telephone: 602-771-4360 Last EDR Contact: 02/01/2016

Next Scheduled EDR Contact: 05/16/2016 Data Release Frequency: Semi-Annually

WQARF: Water Quality Assurance Revolving Fund Sites

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

Date of Government Version: 09/30/2015 Date Data Arrived at EDR: 11/30/2015 Date Made Active in Reports: 12/16/2015

Number of Days to Update: 16

Source: Department of Environmental Quality

Telephone: 602-771-4360 Last EDR Contact: 11/18/2015

Next Scheduled EDR Contact: 03/07/2016 Data Release Frequency: Annually

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: 12/17/2015

Next Scheduled EDR Contact: 04/04/2016
Data Release Frequency: No Update Planned

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: 10/29/2015 Date Data Arrived at EDR: 12/08/2015 Date Made Active in Reports: 12/16/2015

Number of Days to Update: 8

Source: Department of Environmental Quality

Telephone: 602-771-2300 Last EDR Contact: 11/30/2015

Next Scheduled EDR Contact: 03/14/2016 Data Release Frequency: Annually

UIC: Underground Injection Control Wells Underground injection control wells.

> Date of Government Version: 08/02/2012 Date Data Arrived at EDR: 08/07/2012 Date Made Active in Reports: 08/31/2012

Number of Days to Update: 24

Source: Arizona Geological Survey Telephone: 520-770-3500 Last EDR Contact: 02/01/2016

Next Scheduled EDR Contact: 05/16/2016 Data Release Frequency: Varies

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: 10/29/2015 Date Data Arrived at EDR: 12/08/2015 Date Made Active in Reports: 12/16/2015

Number of Days to Update: 8

Source: Department of Environmental Quality

Telephone: 602-771-4132 Last EDR Contact: 11/30/2015

Next Scheduled EDR Contact: 03/14/2016 Data Release Frequency: Varies

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: 11/03/2015 Date Data Arrived at EDR: 11/07/2015 Date Made Active in Reports: 12/16/2015

Number of Days to Update: 39

Source: Department of Environmental Quality

Telephone: 602-771-4345 Last EDR Contact: 01/11/2016

Next Scheduled EDR Contact: 04/25/2016 Data Release Frequency: Semi-Annually

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: 11/03/2015 Date Data Arrived at EDR: 11/07/2015 Date Made Active in Reports: 12/16/2015

Number of Days to Update: 39

Source: Department of Environmental Quality

Telephone: 602-771-4345 Last EDR Contact: 01/11/2016

Next Scheduled EDR Contact: 04/25/2016 Data Release Frequency: Annually

AST 2: Aboveground Storage Tank Listing

A listing of aboveground storage tank site locations.

Date of Government Version: 10/06/2015 Date Data Arrived at EDR: 10/08/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 26

Source: Department of Environmental Quality

Telephone: 602-771-4380 Last EDR Contact: 12/14/2015

Next Scheduled EDR Contact: 03/28/2016 Data Release Frequency: Varies

AST: List of Aboveground Storage Tanks

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

Date of Government Version: 10/05/2015 Date Data Arrived at EDR: 10/08/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 26

Source: Department of Building & Fire Safety

Telephone: 602-364-1003 Last EDR Contact: 12/14/2015

Next Scheduled EDR Contact: 03/28/2016
Data Release Frequency: No Update Planned

AZ MANIFEST: Manifest Information

Hazardous waste manifest information

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 07/15/2015 Date Made Active in Reports: 08/03/2015

Number of Days to Update: 19

Source: Department of Environmental Quality

Telephone: N/A

Last EDR Contact: 12/17/2015

Next Scheduled EDR Contact: 04/04/2016 Data Release Frequency: Annually

SPILLS: Hazardous Material Logbook

Chemical spills and incidents referred to the Emergency Response Unit.

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

Number of Days to Update: 26

Source: Department of Environmental Quality

Telephone: 602-771-4153 Last EDR Contact: 11/24/2015

Next Scheduled EDR Contact: 03/14/2016 Data Release Frequency: Varies

AUL: DEUR Database

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

Date of Government Version: 10/07/2015 Date Data Arrived at EDR: 10/08/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 26

Source: Department of Environmental Quality

Telephone: 602-771-4397 Last EDR Contact: 12/17/2015

Next Scheduled EDR Contact: 04/04/2016

Data Release Frequency: Varies

VCP: Voluntary Remediation Program Sites

Sites involved in the Voluntary Remediation Program.

Date of Government Version: 08/17/2015 Date Data Arrived at EDR: 08/25/2015 Date Made Active in Reports: 09/22/2015

Number of Days to Update: 28

Source: Department of Environmental Quality

Telephone: 602-771-4411 Last EDR Contact: 01/04/2016

Next Scheduled EDR Contact: 04/18/2016 Data Release Frequency: Varies

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

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

Number of Days to Update: 27

Source: Department of Environmental Quality

Telephone: 602-771-4335 Last EDR Contact: 12/17/2015

Next Scheduled EDR Contact: 04/04/2016

Data Release Frequency: Varies

DOD: Department of Defense Sites

These sites are federal facilities that are either being assessed for potential contamination, or have active

remediation taking place on them.

Date of Government Version: 09/30/2015 Date Data Arrived at EDR: 11/30/2015 Date Made Active in Reports: 12/16/2015

Number of Days to Update: 16

Source: Department of Environmental Quality

Telephone: 602-771-4360 Last EDR Contact: 11/18/2015

Next Scheduled EDR Contact: 03/07/2016 Data Release Frequency: Annually

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

Date of Government Version: 08/17/2015 Date Data Arrived at EDR: 08/25/2015 Date Made Active in Reports: 09/22/2015

Number of Days to Update: 28

Source: Department of Environmental Quality

Telephone: 602-771-4401 Last EDR Contact: 01/04/2016

Next Scheduled EDR Contact: 04/18/2016 Data Release Frequency: Varies

CDL: Clandestine Drug Labs

A listing of drug lab seizures in Arizona.

Date of Government Version: 05/28/2015 Date Data Arrived at EDR: 06/26/2015 Date Made Active in Reports: 07/07/2015

Number of Days to Update: 11

Source: Board of Technical Registration

Telephone: 602-364-4931 Last EDR Contact: 12/30/2015

Next Scheduled EDR Contact: 04/11/2016 Data Release Frequency: Varies

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: 12/07/2015 Date Data Arrived at EDR: 12/10/2015 Date Made Active in Reports: 12/16/2015

Number of Days to Update: 6

Source: Department of Environmental Quality

Telephone: 602-771-4686 Last EDR Contact: 11/18/2015

Next Scheduled EDR Contact: 03/07/2016 Data Release Frequency: Semi-Annually

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: 01/25/2016

Next Scheduled EDR Contact: 05/09/2016

Data Release Frequency: Varies

AQUIFER: Waste Water Treatment Facilities

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

Date of Government Version: 12/07/2015 Date Data Arrived at EDR: 12/10/2015 Date Made Active in Reports: 12/16/2015

Number of Days to Update: 6

Source: Department of Environmental Quality

Telephone: 602-771-4623 Last EDR Contact: 11/16/2015

Next Scheduled EDR Contact: 02/29/2016 Data Release Frequency: Semi-Annually

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: 07/24/2015 Date Data Arrived at EDR: 07/27/2015 Date Made Active in Reports: 08/03/2015

Number of Days to Update: 7

Source: Department of Environmental Quality

Telephone: 602-771-2344 Last EDR Contact: 01/04/2016

Next Scheduled EDR Contact: 04/18/2016 Data Release Frequency: Semi-Annually

AZURITE: Remediation and DEUR/VEMUR Tracking System

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

Date of Government Version: 10/07/2015 Date Data Arrived at EDR: 10/08/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 26

Source: Department of Environmental Quality

Telephone: 602-771-4397 Last EDR Contact: 12/17/2015

Next Scheduled EDR Contact: 04/04/2016 Data Release Frequency: Quarterly

EMAP: All Places of Interest Listing

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

sites.

Date of Government Version: 09/28/2015 Date Data Arrived at EDR: 09/30/2015 Date Made Active in Reports: 11/03/2015

Number of Days to Update: 34

Source: Department of Environmental Quality

Telephone: 602-771-4380 Last EDR Contact: 12/07/2015

Next Scheduled EDR Contact: 03/21/2016 Data Release Frequency: Varies

AZ NPL: NPL Detail Listing

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

Date of Government Version: 09/30/2015 Date Data Arrived at EDR: 11/30/2015 Date Made Active in Reports: 12/16/2015

Number of Days to Update: 16

Source: Department of Environmental Quality

Telephone: 602-771-4609 Last EDR Contact: 11/18/2015

Next Scheduled EDR Contact: 03/07/2016 Data Release Frequency: Varies

TRIBAL RECORDS

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: 12/31/2005 Date Data Arrived at EDR: 12/08/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 34

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 01/15/2016

Next Scheduled EDR Contact: 04/25/2016 Data Release Frequency: Semi-Annually

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: 02/01/2016

Next Scheduled EDR Contact: 05/16/2016 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: 10/27/2015 Date Data Arrived at EDR: 10/29/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 67

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 01/26/2016

Next Scheduled EDR Contact: 05/09/2016 Data Release Frequency: Varies

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

Date of Government Version: 11/24/2015 Date Data Arrived at EDR: 12/01/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 34

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 01/25/2016

Next Scheduled EDR Contact: 05/09/2016 Data Release Frequency: Semi-Annually

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

Date of Government Version: 05/13/2015 Date Data Arrived at EDR: 08/03/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 71

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 01/25/2016

Next Scheduled EDR Contact: 05/09/2016 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: 03/30/2015 Date Data Arrived at EDR: 04/28/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 55

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 01/25/2016

Next Scheduled EDR Contact: 05/09/2016 Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/30/2015 Date Data Arrived at EDR: 05/05/2015 Date Made Active in Reports: 06/22/2015

Number of Days to Update: 48

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 01/25/2016

Next Scheduled EDR Contact: 05/09/2016 Data Release Frequency: Quarterly

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

Date of Government Version: 07/21/2015 Date Data Arrived at EDR: 07/29/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 76

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 01/25/2016

Next Scheduled EDR Contact: 05/09/2016 Data Release Frequency: Quarterly

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: 01/08/2015 Date Data Arrived at EDR: 01/08/2015 Date Made Active in Reports: 02/09/2015

Number of Days to Update: 32

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 01/27/2016

Next Scheduled EDR Contact: 05/09/2016 Data Release Frequency: Quarterly

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: 11/04/2015 Date Data Arrived at EDR: 11/13/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 52

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 01/25/2016

Next Scheduled EDR Contact: 05/09/2016 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: 07/28/2015 Date Data Arrived at EDR: 08/14/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 60

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 01/25/2016

Next Scheduled EDR Contact: 05/09/2016 Data Release Frequency: Quarterly

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: 12/14/2014 Date Data Arrived at EDR: 02/13/2015 Date Made Active in Reports: 03/13/2015

Number of Days to Update: 28

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 01/27/2016

Next Scheduled EDR Contact: 05/09/2016 Data Release Frequency: Quarterly

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: 07/21/2015 Date Data Arrived at EDR: 07/29/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 76

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 01/25/2016

Next Scheduled EDR Contact: 05/09/2016 Data Release Frequency: Quarterly

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: 11/05/2015 Date Data Arrived at EDR: 11/13/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 52

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 01/25/2016

Next Scheduled EDR Contact: 05/09/2016 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: 11/24/2015 Date Data Arrived at EDR: 12/01/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 34

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 01/25/2016

Next Scheduled EDR Contact: 05/09/2016 Data Release Frequency: Semi-Annually

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: 10/20/2015 Date Data Arrived at EDR: 10/29/2015 Date Made Active in Reports: 01/04/2016

Number of Days to Update: 67

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 01/26/2016

Next Scheduled EDR Contact: 05/09/2016 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: 09/23/2014 Date Data Arrived at EDR: 11/25/2014 Date Made Active in Reports: 01/29/2015

Number of Days to Update: 65

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 01/25/2016

Next Scheduled EDR Contact: 05/09/2016 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: 05/13/2015 Date Data Arrived at EDR: 08/03/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 71

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 01/25/2016

Next Scheduled EDR Contact: 05/09/2016 Data Release Frequency: Semi-Annually

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: 09/29/2014 Date Data Arrived at EDR: 10/01/2014 Date Made Active in Reports: 11/06/2014

Number of Days to Update: 36

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 12/28/2015

Next Scheduled EDR Contact: 04/11/2016 Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

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

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

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009

Data Release Frequency: Varies

### **EDR PROPRIETARY 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 Historic Gas 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 Historic Dry 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

#### 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 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 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

#### 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: 07/30/2013 Date Data Arrived at EDR: 08/19/2013 Date Made Active in Reports: 10/03/2013

Number of Days to Update: 45

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 11/16/2015

Next Scheduled EDR Contact: 02/29/2016
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: 11/02/2015 Date Data Arrived at EDR: 11/08/2015 Date Made Active in Reports: 12/09/2015

Number of Days to Update: 31

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 02/03/2016

Next Scheduled EDR Contact: 05/16/2016 Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013 Date Data Arrived at EDR: 06/19/2015 Date Made Active in Reports: 07/15/2015

Number of Days to Update: 26

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 11/19/2015

Next Scheduled EDR Contact: 03/07/2016 Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 03/19/2015 Date Made Active in Reports: 04/07/2015

Number of Days to Update: 19

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 12/09/2015

Next Scheduled EDR Contact: 03/28/2016 Data Release Frequency: Annually

#### Oil/Gas Pipelines

Source: PennWell Corporation

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 PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

#### Electric Power Transmission Line Data

Source: PennWell Corporation

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

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, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

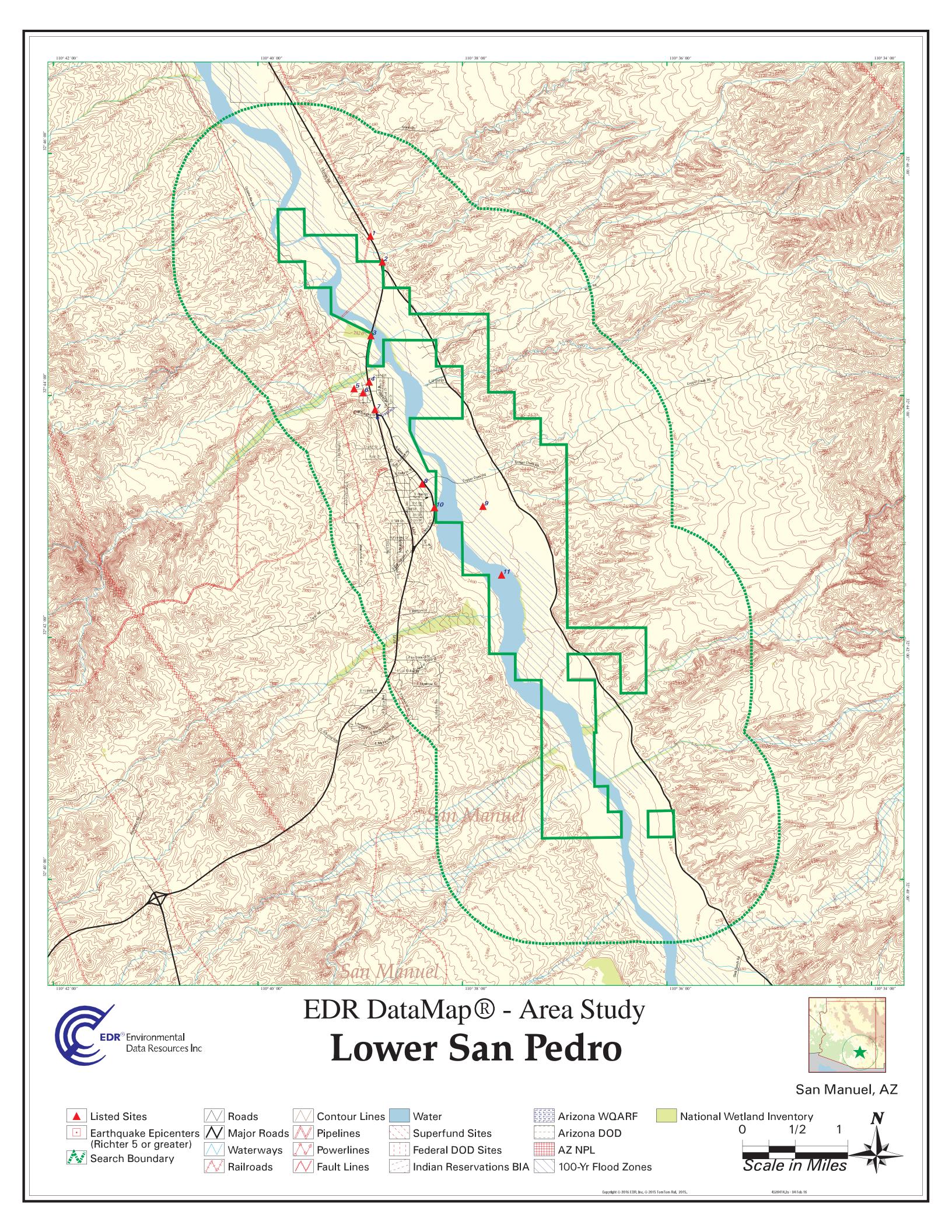
State Wetlands Data: Riparian Vegetation Associated with Perennial Waters

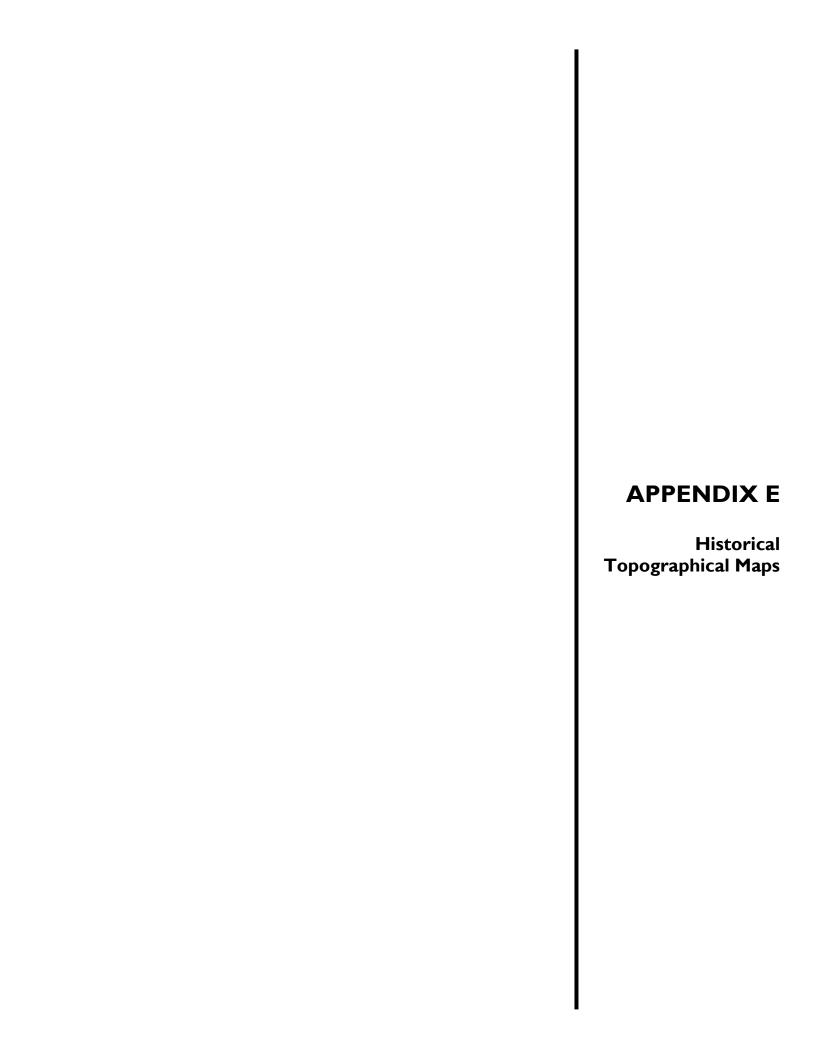
Source: State Land Department Telephone: 602-542-4094

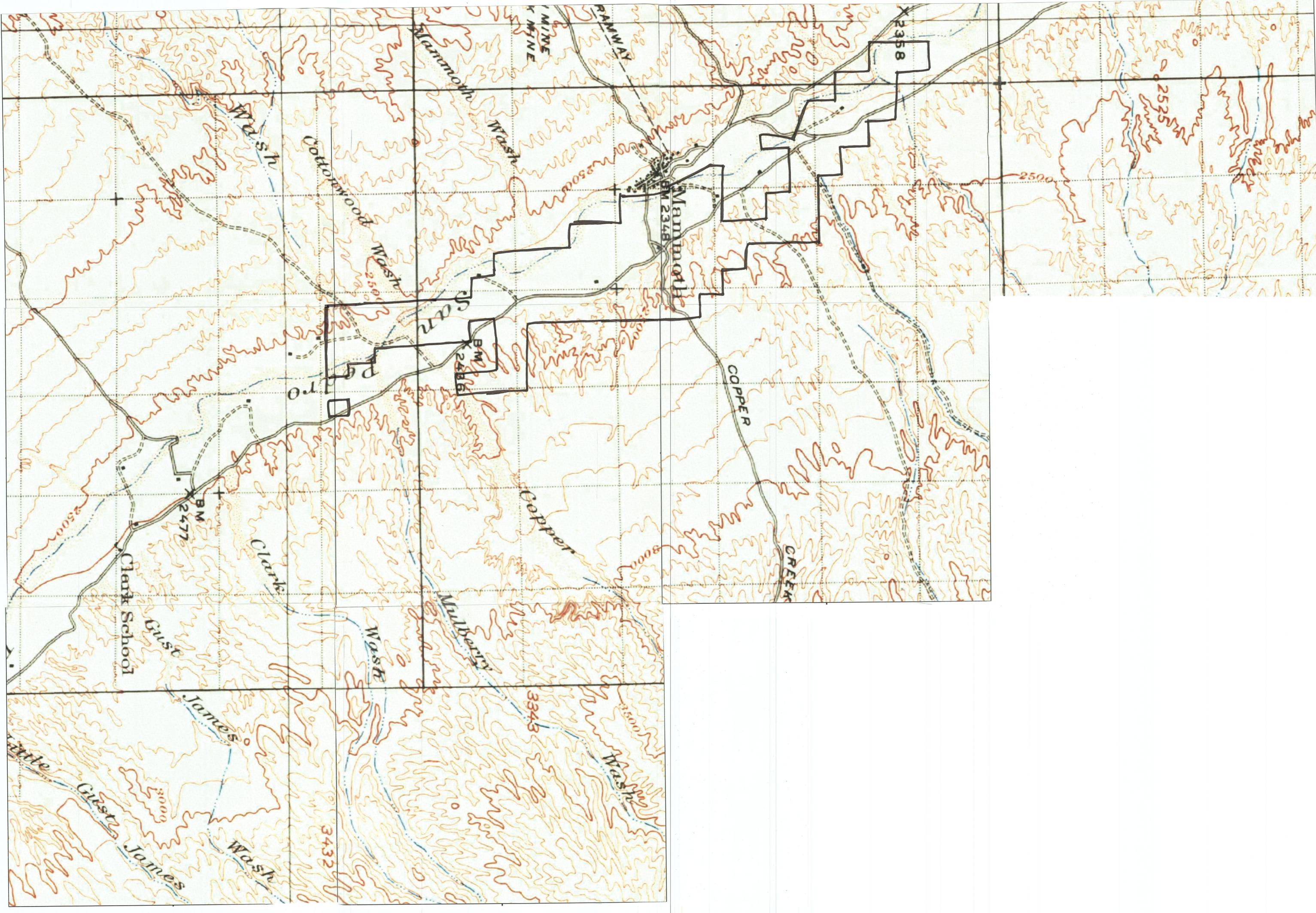
Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

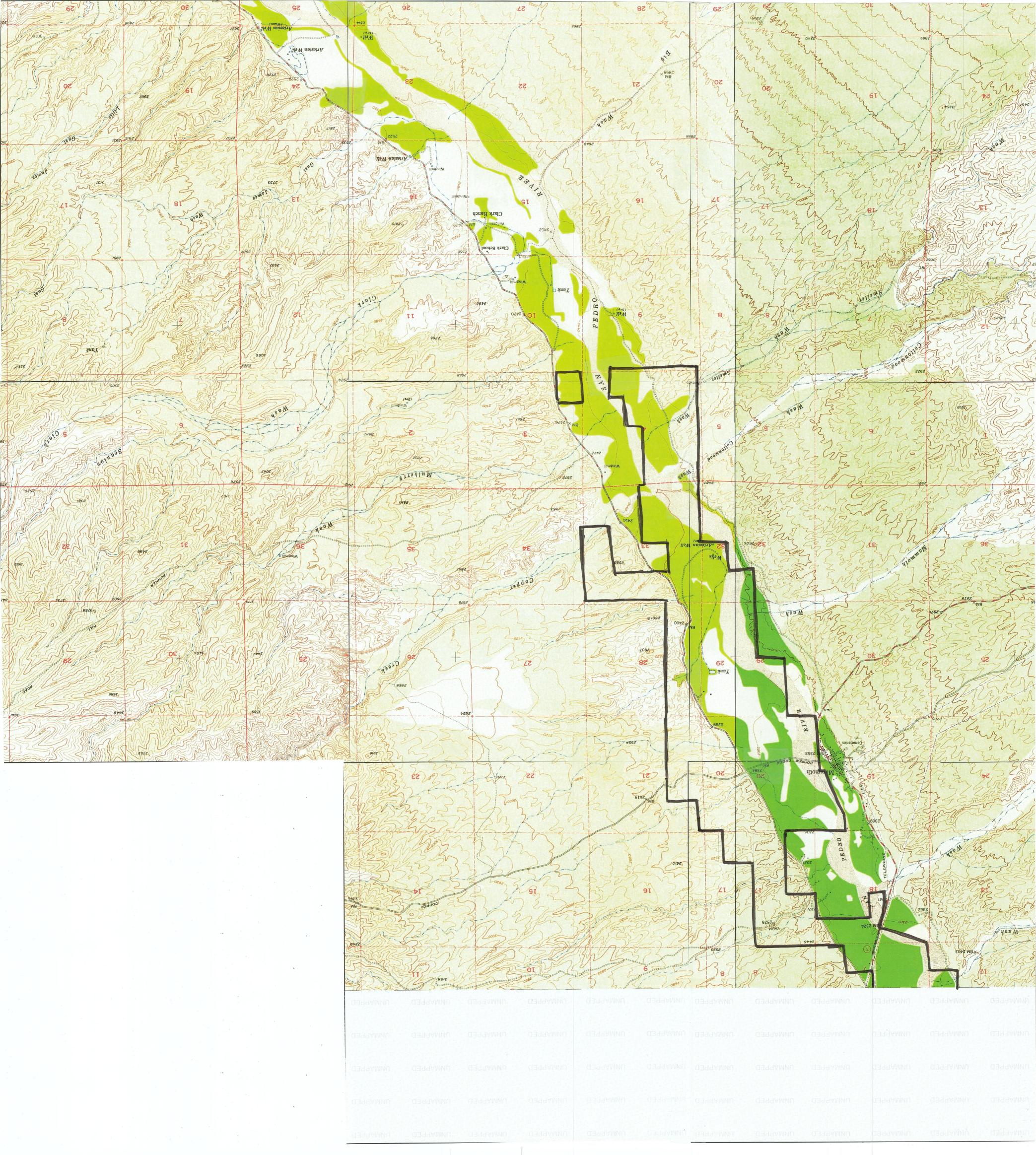
### STREET AND ADDRESS INFORMATION

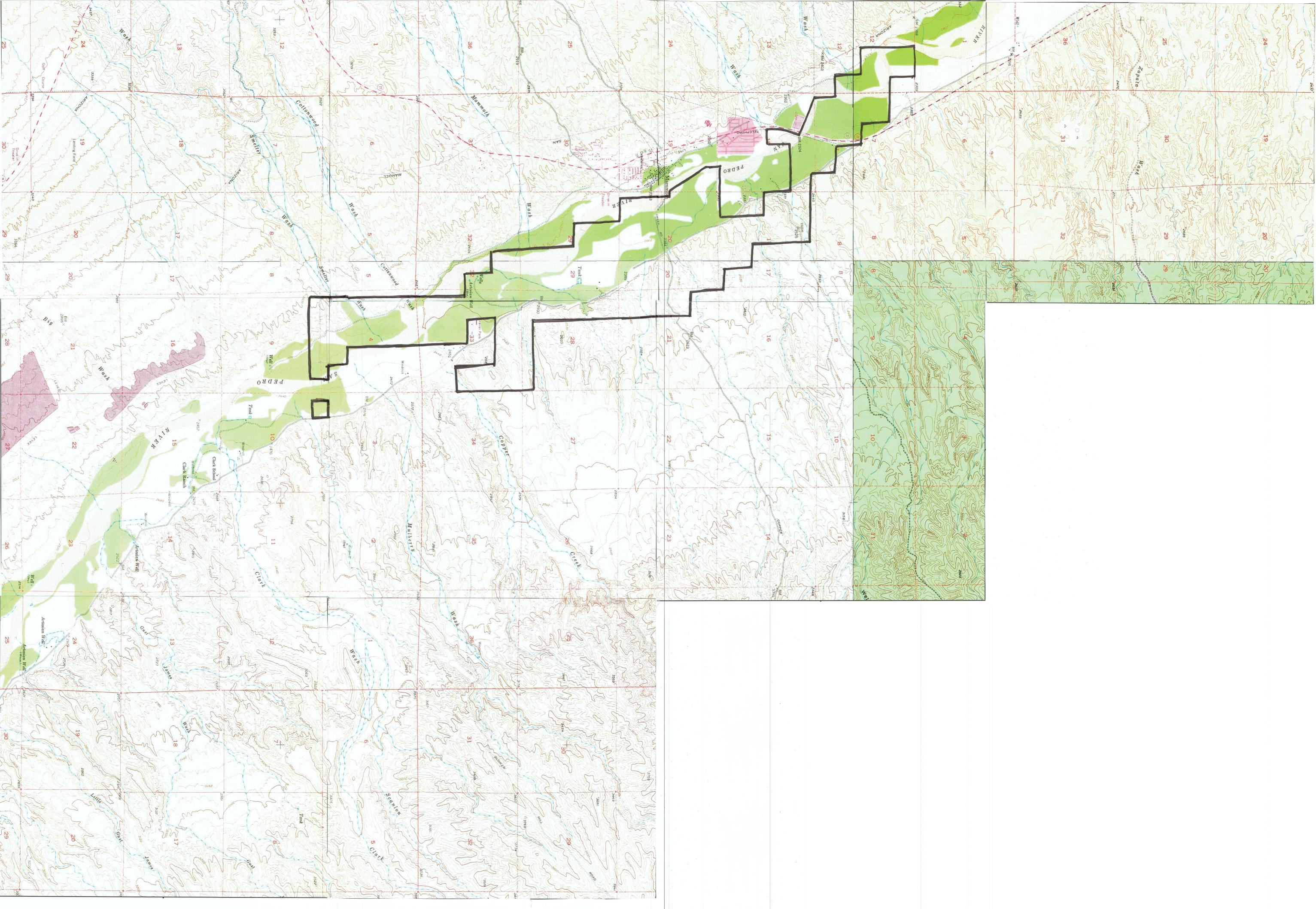
© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

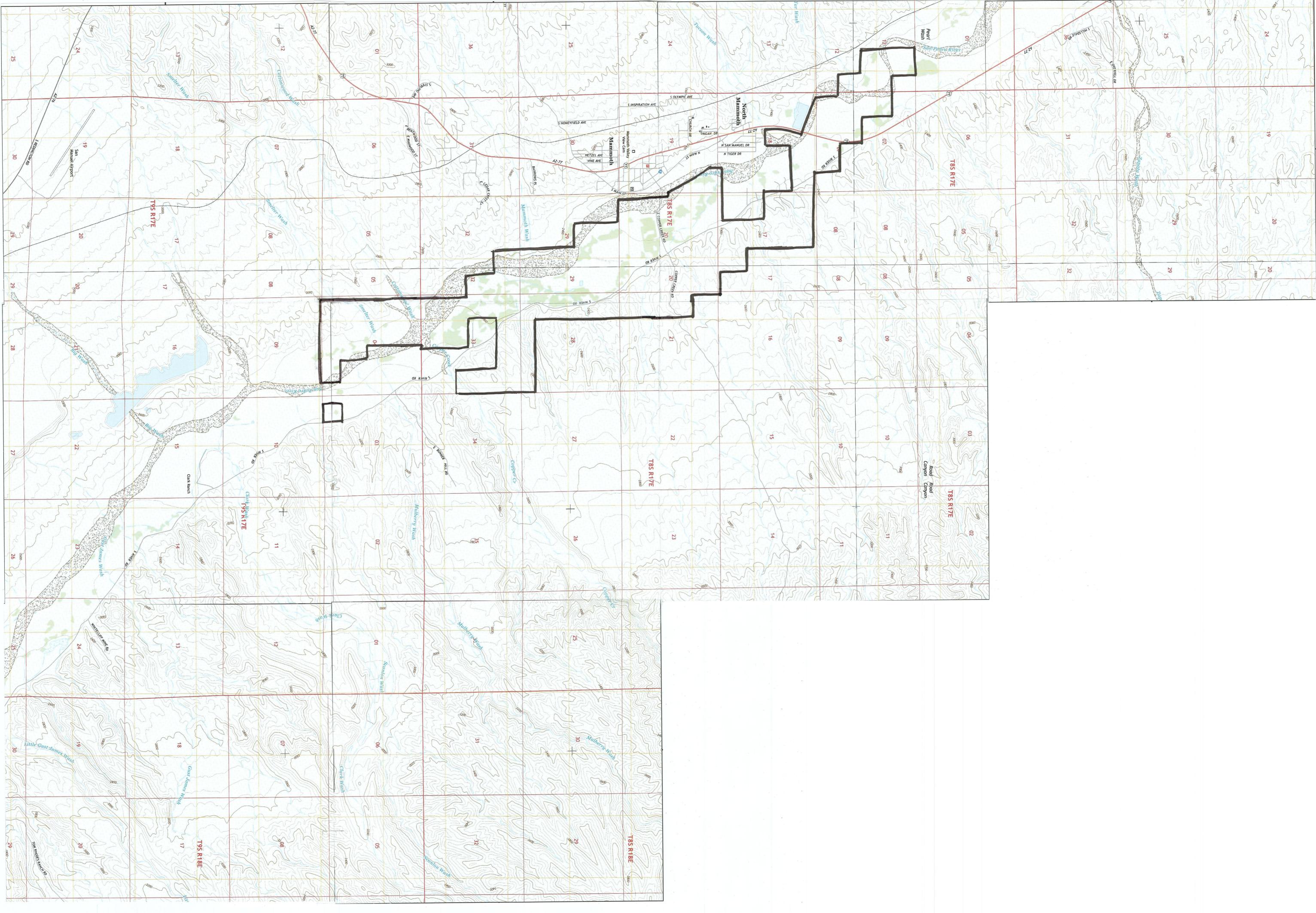


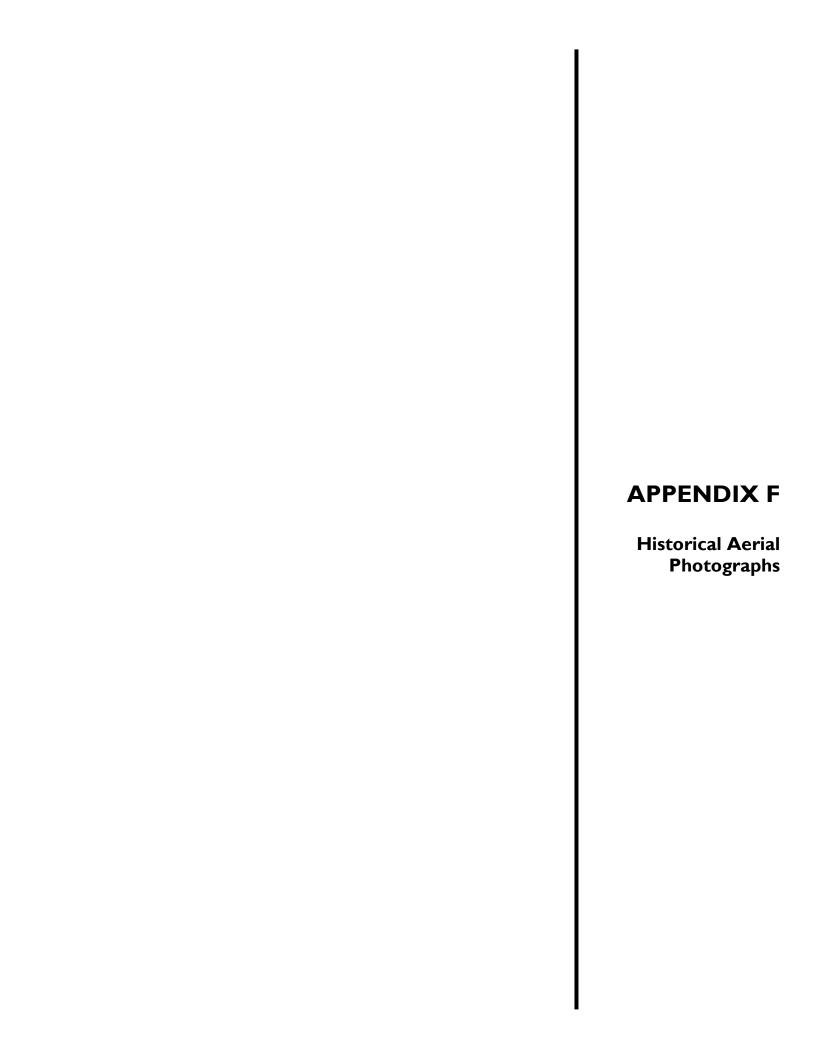


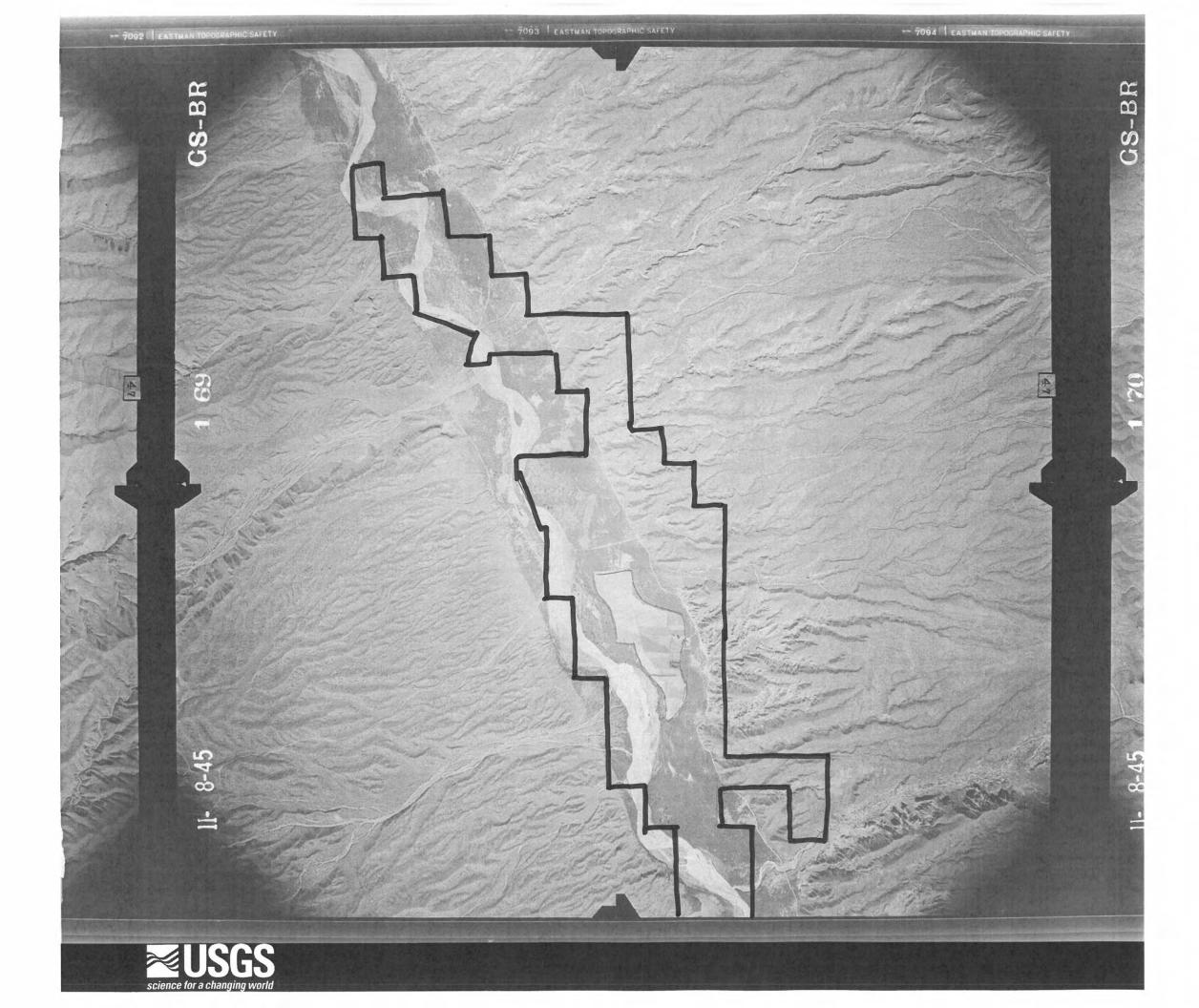














GS-BR

GS-BR

1 79

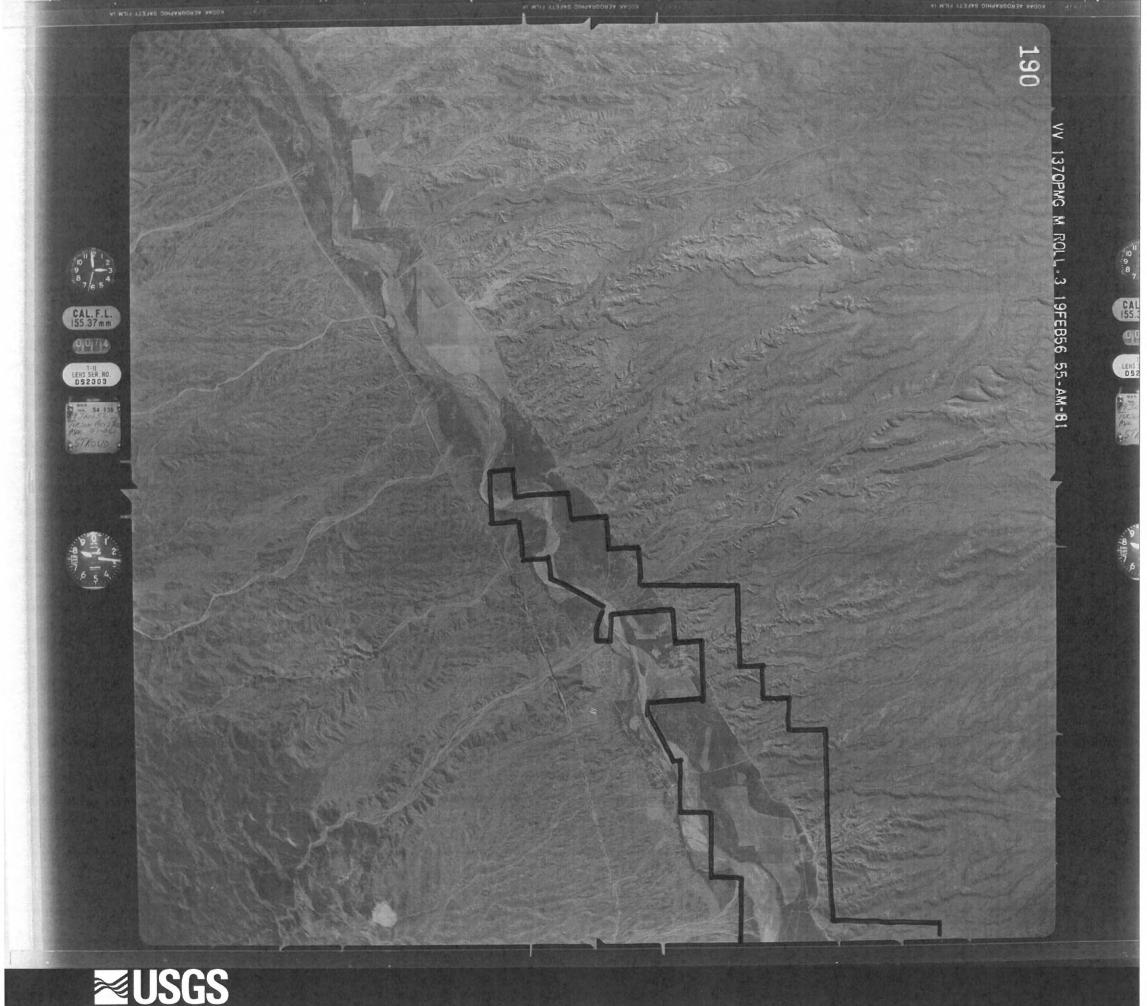
1-8-45

TITAL STANDOGERAPHIC SAFET

TITE | EASTMAN TOPOGRAPHIC SAFETY

TIBLES OFHUANDOROT NAM

11- 8-45



**USGS**science for a changing world



PROTO PROSPE

DE ISO FENS SEE' NO

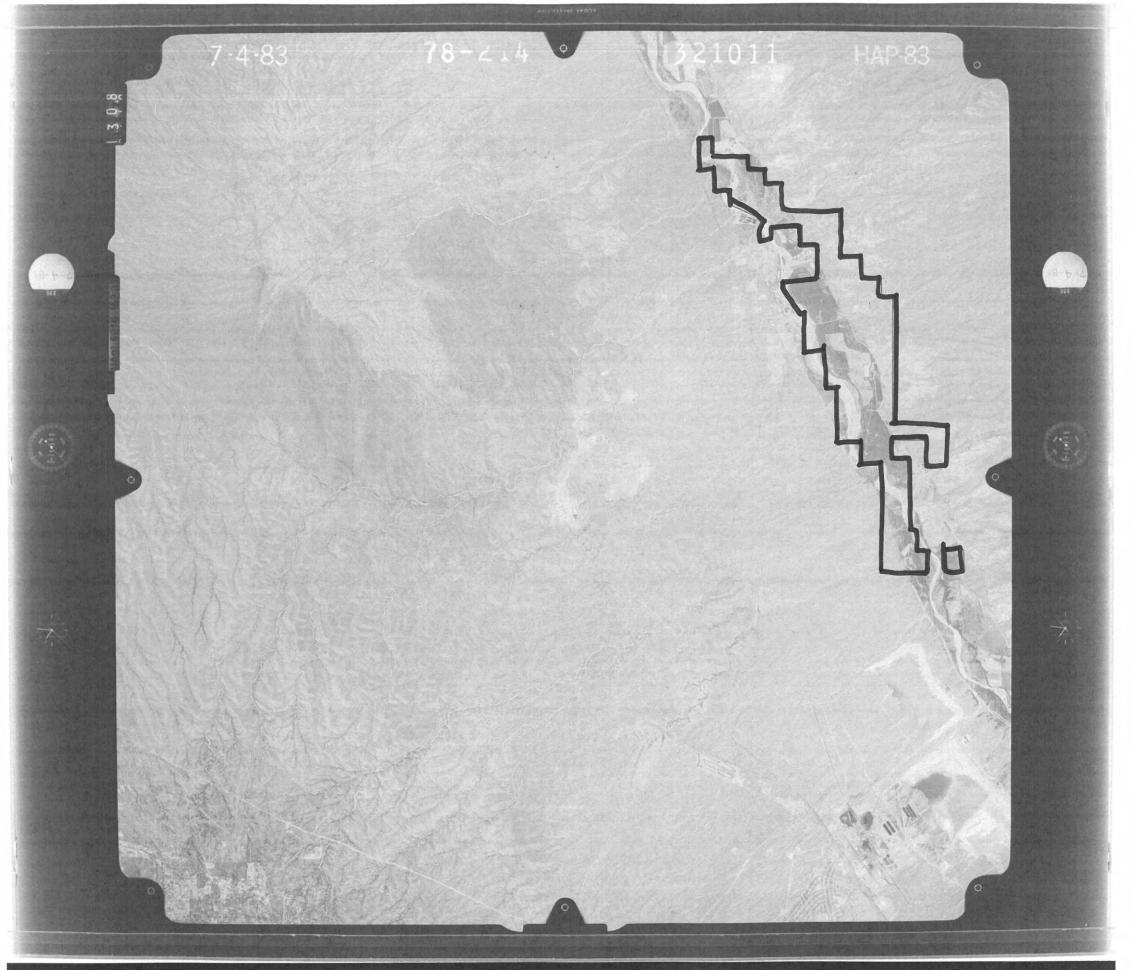
15136 05.121

TY 1370RMG M ROLL 12 SMARS6 55-AM-81

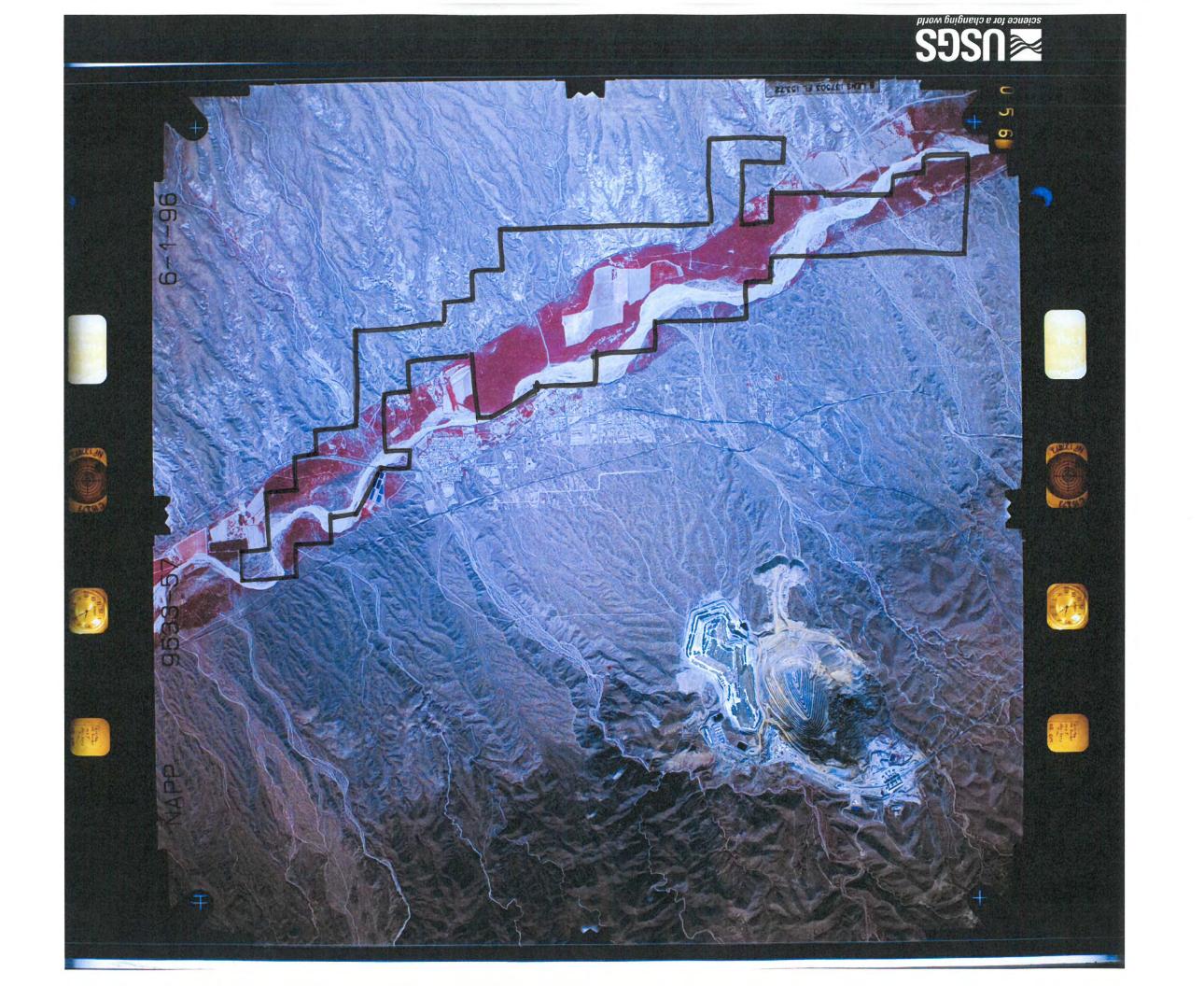
1113

1956















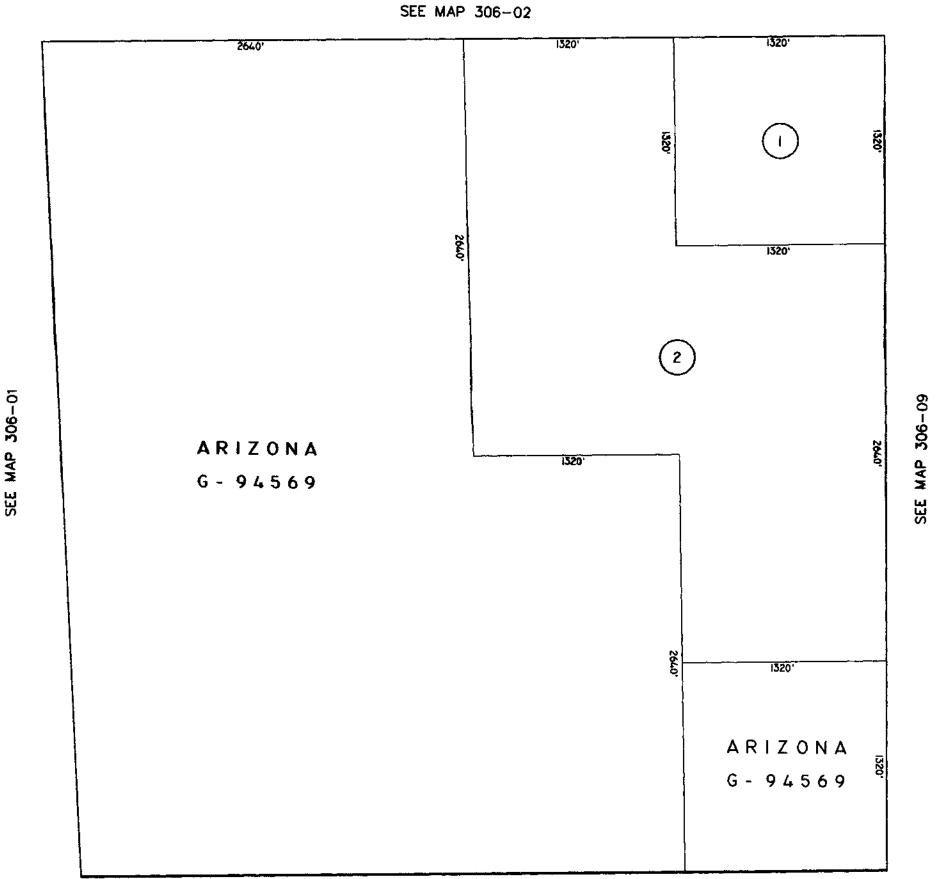
# **APPENDIX G**

PINAL COUNTY
ASSESSOR'S RECORD
MAPS AND
PROPERTY DETAIL
RECORDS

SEC. 12, TN.8S RG.16E

THIS MAP IS FOR TAX PURPOSES ONLY.
THIS OFFICE WILL NOT ASSUME LIABILITY FOR
REPRESENTATION, MEASUREMENTS OR ACREAGE.

306-03



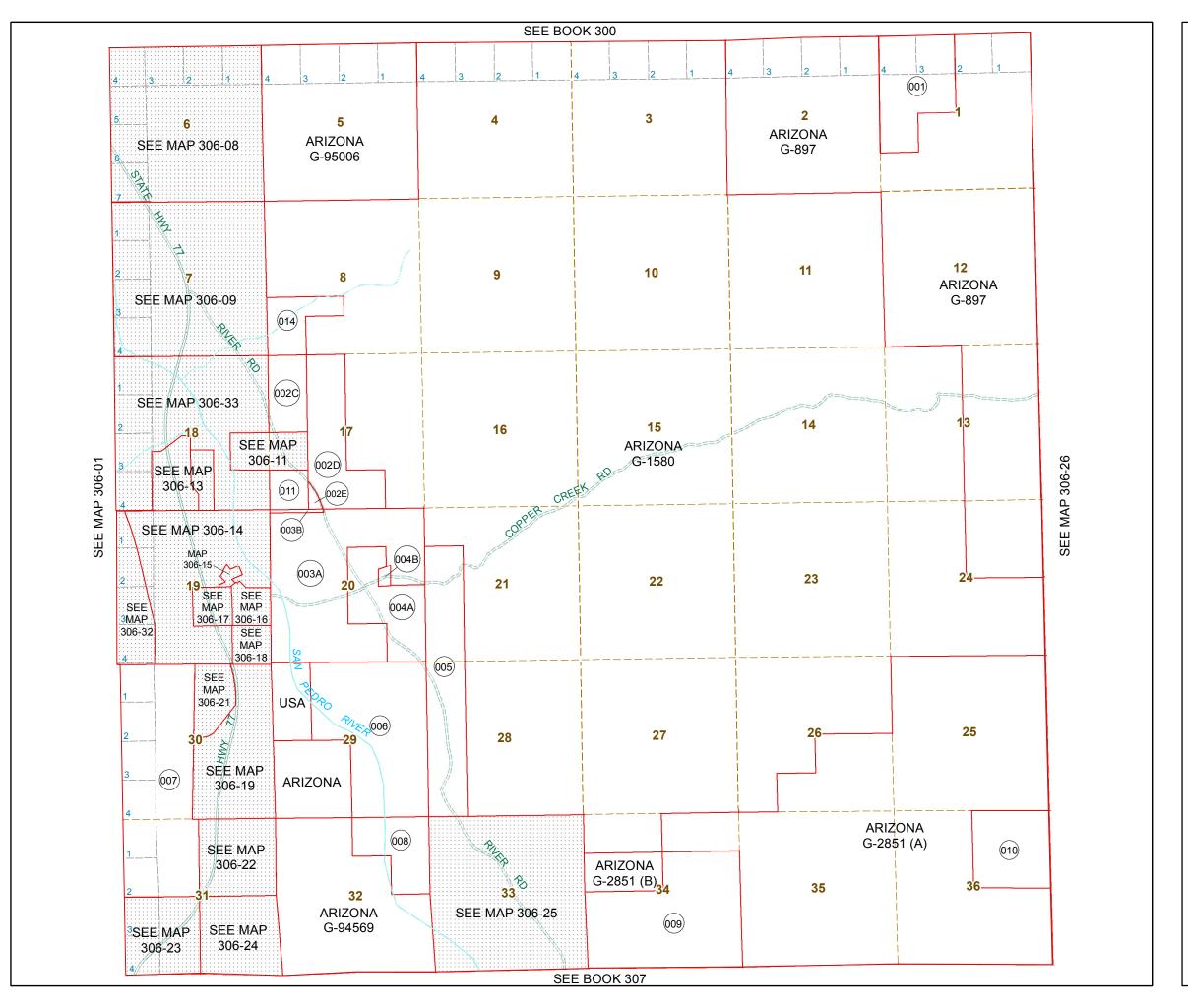
6-20-2001

SEE MAP 306-01

PINAL COUNTY ASSESSORS MAP

# **VICINITY MAP**

**SEC 01 SEC 13** 

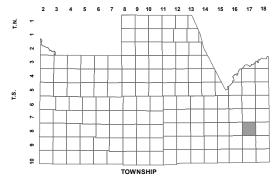


BOOK - MAP

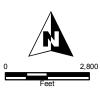
# 306-07

T.08S. R.17E.

# LOCATION MAPS



6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36
•	•	SEC	TION		



Revised: 4/6/2012



PINAL . COUNTY wide open opportunity

### **Pinal County Assessor**

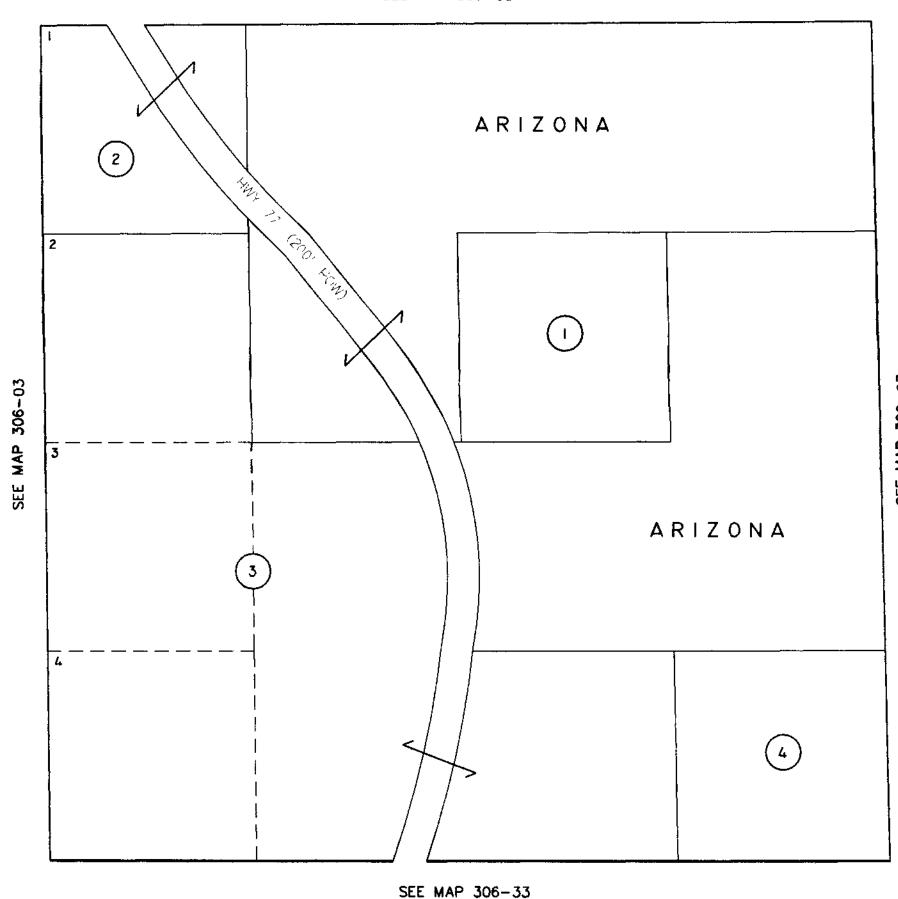
THIS MAP DOES NOT REPRESENT A SURVEY. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA DELINEATED HEREIN, EITHER EXPRESSED OR IMPLIED BY PINAL COUNTY OR ITS EMPLOYEES. THIS MAP IS COMPILED FROM OFFICIAL RECORDS, INCLUDING PLATS, SURVEYS, RECORDED DEEDS AND CONTRACTS, AND ONLY CONTAINS INFORMATION REQUIRED FOR THE PINAL COUNTY ASSESSOR'S OFFICE PURPOSES.

**SEC. 07, TN.8S RG.17E** 

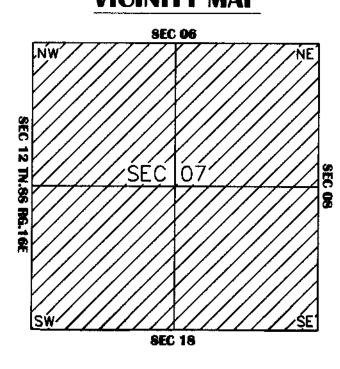
SEE MAP 306-08

306-09



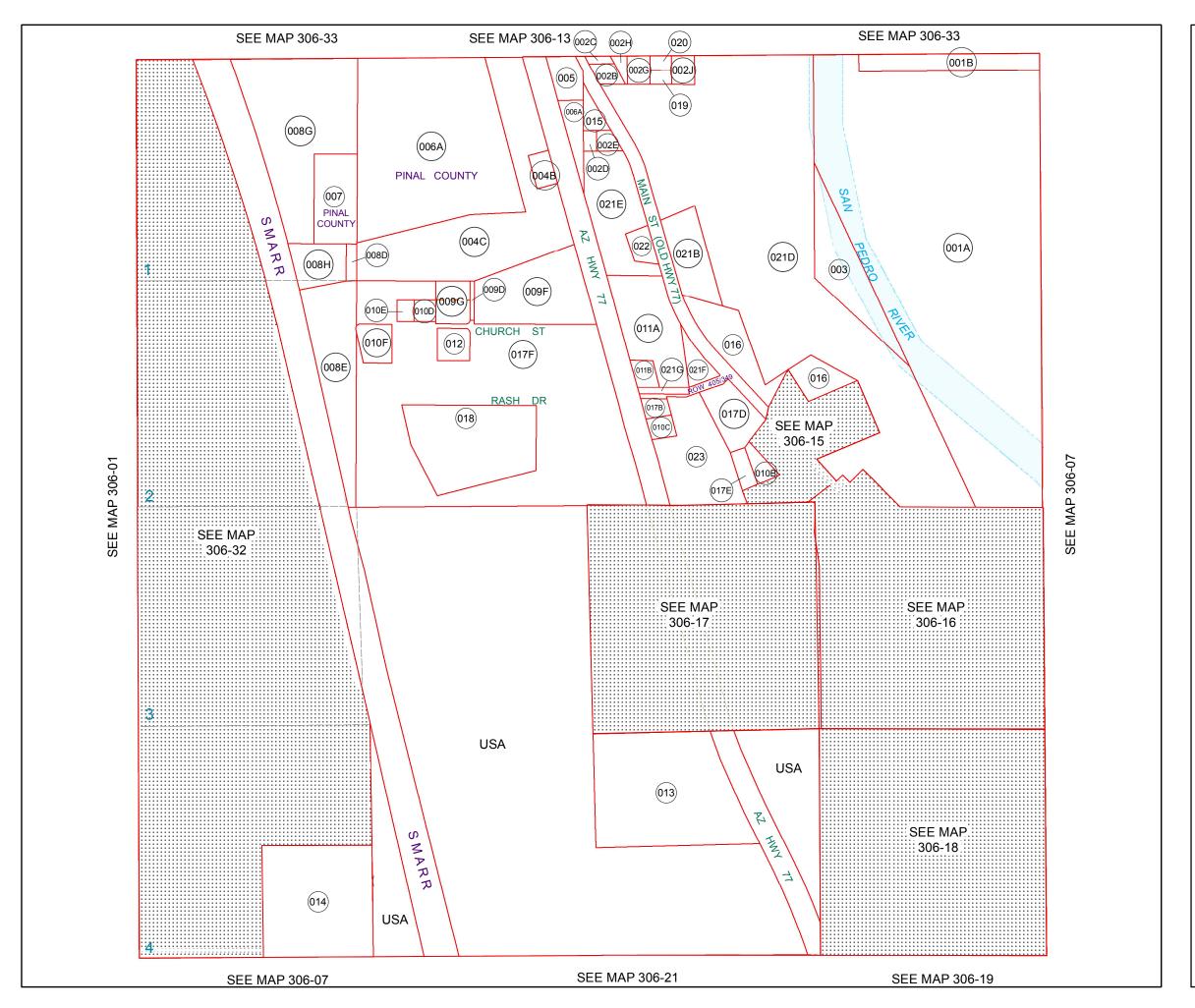


# VICINITY MAP



6-20-2001

**PINAL COUNTY ASSESSORS MAP** 



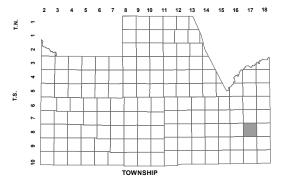
BOOK - MAP

306-14

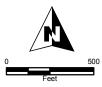
SEC. 19 T.08S. R.17E.



R F



6	5	4	3	2	1				
7	8	9	10	11	12				
18	17	16	15	14	13				
19	20	21	22	23	24				
30	29	28	27	26	25				
31	32	33	34	35	36				
SECTION									



Revised: 5/29/2012

By: AHB

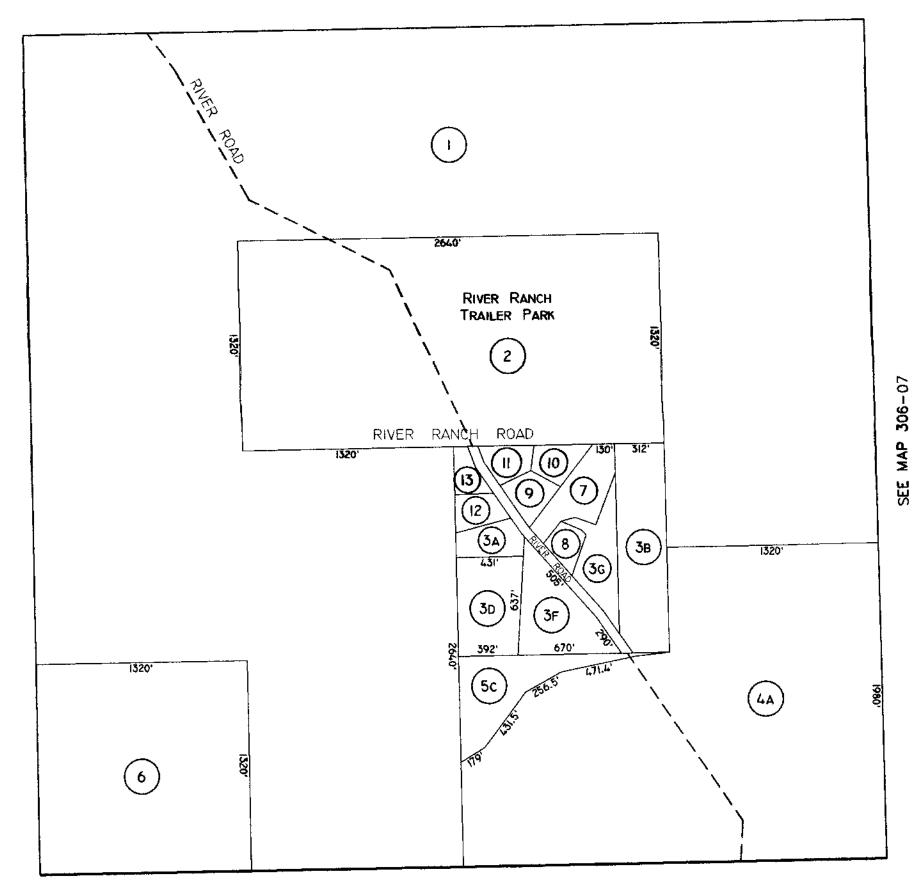


wide open opportunity

### **Pinal County Assessor**

THIS MAP DOES NOT REPRESENT A SURVEY. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA DELINEATED HEREIN, EITHER EXPRESSED OR IMPLIED BY PINAL COUNTY OR ITS EMPLOYEES. THIS MAP IS COMPILED FROM OFFICIAL RECORDS, INCLUDING PLATS, SURVEYS, RECORDED DEEDS AND CONTRACTS, AND ONLY CONTAINS INFORMATION REQUIRED FOR THE PINAL COUNTY ASSESSOR'S OFFICE PURPOSES.

THIS MAP IS FOR TAX PURPOSES ONLY.
THIS OFFICE WILL NOT ASSUME LIABILITY FOR
REPRESENTATION, MEASUREMENTS OR ACREAGE.



SCALE: 1" = 600

6-20-2001

PINAL COUNTY ASSESSORS MAP

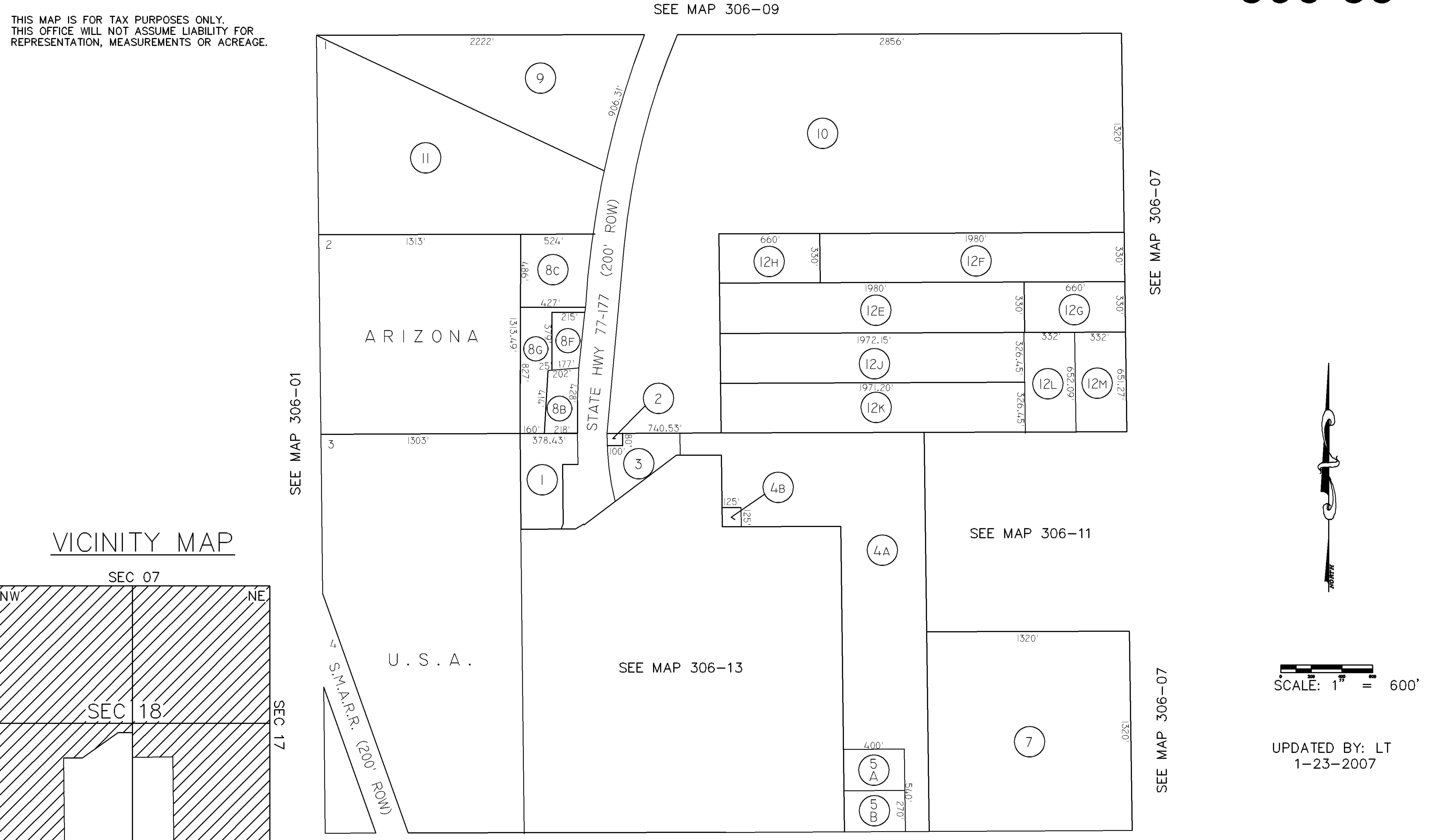
SEE BOOK 307

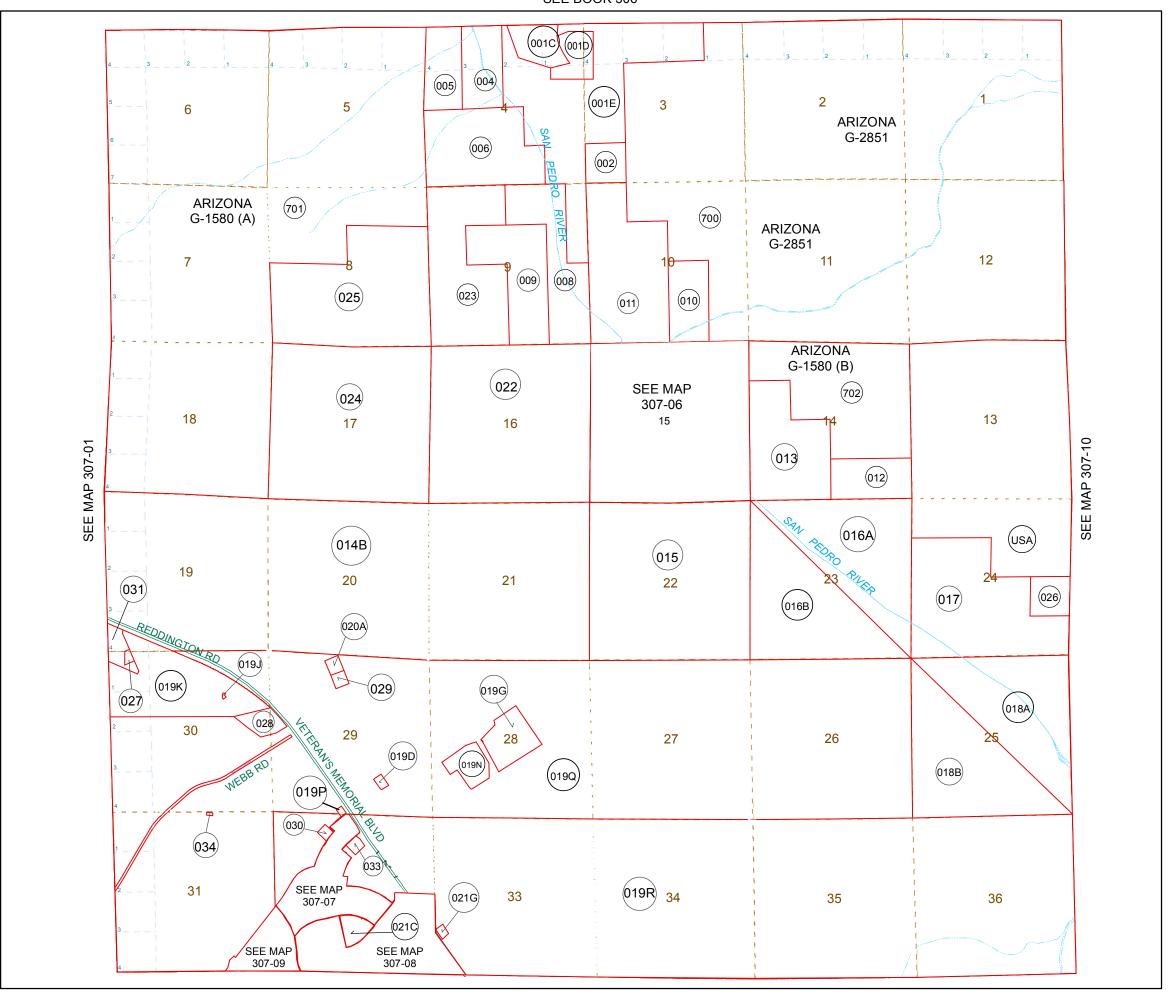
SW SEC 04 TN.96 RG.17E

**VICINITY MAP** 

**SEC 28** 

SEC 19





BOOK - MAP 307-05 T.09S. R.17E. LOCATION MAPS 11 18 22 23 28 27 26 11/18/2011 Revised: MBG PINAL . COUNTY wide open opportunity **Pinal County Assessor** THIS MAP DOES NOT REPRESENT A SURVEY. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA DELINEATED HEREIN, EITHER EXPRESSED OR IMPLIED BY PINAL COUNTY OR ITS EMPLOYEES. THIS MAP IS COMPILED FROM OFFICIAL RECORDS, INCLUDING PLATS, SURVEYS, RECORDED DEEDS AND CONTRACTS, AND ONLY CONTAINS INFORMATION REQUIRED FOR THE PINAL COUNTY ASSESSOR'S OFFICE PURPOSES.

Widower

Disabled

Senior Freeze

Parcel Search*						Stan	t a New S	Search				
Search Re Parcel Det	-		-									open 🕨
Previous year va not be reflected i												alue ma
			ඉ	Compar	able Prope	erties	% L	ink to	This Parce	el 🏻	Print	View
Parcel Number	306-07-00	2C sho	ws the	followi	ng infor	mati	on for	Tax \	<b>/ear:</b> 20	017 ▼	Tax Year	<u>Chart</u>
Parcel Number	306-07-0		axing		Prima	ary C	wner:	SWII LLC	FT CURR	ENT I	AND &	CATTLE
Section: 17	Township:	08S	Range:	17E	Name	2:						
Atlas Number:	-	Мар:	View P Map	<u>'arcel</u>	In C/	<b>O</b> :						
Property Descr	iption: (W	hat is th	nis?)		Tax B	ill M	ailing	Addre	ess			
W1/2 OF NW OF	SEC 17-8S	-17E 80	0.00 AC		Addre	ess:		РО В	OX 1944	ŀ		
					City:			SUP	ERIOR			
					State	•		AZ				
					Zip C	ode:		8517	'3			
Date of Sale:	Not Given				Property Address (Location):							
Sale Amount:	Not Give	า										
Document(s):	1				Subdi	visio	n:					
2004-021434					Unit:		Bloc	k:	Lot:		Phas	e:
			Yes	No	Cabin	et:	<u> </u>	I.	Slide:		1	
Widow				X		L_			1	ı		

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

Χ

Χ

Χ

Parcel Size:	80.00					
Size Indicator:	Acres					
Tax Area Code:	0802 (Rates current as of 2013)					
Use Code:	0004					
Land Legal Class:	02RL - Vacant Land / Non-Profit Imp					
Impr. Legal Class:						
Full Cash Value (FCV):	\$38,544.00	% COMPARABLE PROPERTIES				
Limited Value (LPV):	\$29,106.00					
Real Property Ratio:						
Assessed FCV:	\$5,782.00					
Assessed LPV:	\$4,366.00					

Attached Personal Property:	No Personal Property Listed	
		_

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

Start a New Search

D

### **Search Results (1 Entries)**

**Parcel Details (306-07-002D)** 

open	+
open	+

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

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

Parcel Number 306-07-002D shows the following information for Tax Year: 2017 ▼ Tax Year Chart

Parcel Number: 306-07-002D (Taxing Information)					Primary Owner:	SWIFT CURRENT LLC	LAND & CATTL	
Section:		Township:		Range:	17E	Name 2:		
Atlas Nu	mber	-	Мар:	View Pa	arcel	In C/O:		
Property Description: (What is this?)				Tax Bill Mailing Address				
1	E2 W2 AND SW SE SEC 17-8S-17E EXC SW'LY OF					Address:	PO BOX 1944	
RIVER R	RIVER RD ROW, 193.97 AC					City:	SUPERIOR	
					State:	AZ		
						Zip Code:	85173	

Date of Sale:	3/26/2004			Property	Address (Lo	ocation):	
Sale Amount:	\$3,500,000.00						
Document(s):				Subdivis	ion:		
2004-021434				Unit:	Block:	Lot:	Phase:
	•	Yes	No	Cabinet:		Slide:	<u> </u>
	•	Yes	No	Cabinet:		Slide:	

Widow	X
Widower	X
Disabled	X
Senior Freeze	Х

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

Parcel Size:	193.97				
Size Indicator:	Acres				
Tax Area Code:	0803 (Rates current as of 2013)				
Use Code:	0004				
Land Legal Class:	02RL - Vacant Land / Non-Profit Imp				
Impr. Legal Class:					
Full Cash Value (FCV):	\$63,719.00	% COMPARABLE PROPERTIES			
Limited Value (LPV):	\$47,341.00				
Real Property Ratio:					
Assessed FCV:	\$9,558.00				
Assessed LPV:	\$7,101.00				

Attached Personal Property:	No Personal Property Listed	

Start a New Search

D

### **Search Results (1 Entries)**

**Parcel Details (306-07-002E)** 

open	+
open	+

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

**Solution** Solution Solution

Parcel Number 306-07-002E shows the following information for Tax Year: 2017 ▼ Tax Year Chart

Parcel Number: 306-07-002E ( <u>Taxing</u> Information)						
Section:	17	Township:	08S	Range:	17E	
Atlas Number: - Map: View Parcel Map						
Property Description: (What is this?)						
SE SW SEC 17-8S-17E SW'LY OF RIVER RD ROW, 6.03 AC						

Primary Owner:	BENNY CLARK		
Name 2:			
In C/O:			
Tax Bill Mailing Address			
Address:	PO BOX 145		
City:	MAMMOTH		
State:	AZ		
Zip Code:	85618		

Date of Sale:	1/31/2012			Prope	erty A	Address	(Loca	ation):		
Sale Amount:	\$10.00									
Document(s):				Subdi	visio	n:				
2012-007458				Unit:		Block:		Lot:	Phase:	
		Yes	No	Cabin	et:	1		Slide:		ı

Widow X
Widower X
Disabled X
Senior Freeze X

Imp	0.00	Item:		
Cons	t year:	0	Grnd Flr Perim:	0
Stori	es:		Total Sq. Ft.:	0

Parcel Size:	6.03	6.03					
Size Indicator:	Acres	acres					
Tax Area Code:	0803	803 (Rates current as of 2013)					
Use Code:	0004						
Land Legal Class:	02RL	02RL - Vacant Land / Non-Profit Imp					
Impr. Legal Class:							
Full Cash Value (FCV):	\$7,61	5.00	% COMPARABLE PROPERTIES				
Limited Value (LPV):	\$5,75	1.00					
Real Property Ratio:							
Assessed FCV: \$1,14		2.00					
Assessed LPV:	\$863.	00					
Attached Personal Property:		No Personal Property Listed					

indirect damages resulting from the use of this data.

Previous year valuations are subject to change as prescribed in the Arizona Revised Statutes. All changes in value may not be reflected in this data. For updated/correct figures, please refer to the Treasurer's Office website.    Comparable Properties   Link to This Parcel   Print View	1 dioci sodio	11										
not be reflected in this data. For updated/correct figures, please refer to the Treasurer's Office website.    Comparable Properties   Link to This Parcel   Print View	Parcel Det	tails (306	-07-00	03A)							ope	n 🖶
Parcel Number 306-07-003A shows the following information for Tax Year:   2017   Tax Year Chart											es in valu	e may
Parcel Number:   306-07-003A (Taxing Information)   Primary Owner:   SWIFT CURRENT LAND & CATTLE				ඉ	Compara	ıble Properti	es 🧣	Link to T	his Parcel	ē	Print Vie	w
Section:   20   Township:   08S   Range:   17E   Name 2:	Parcel Number	306-07-00	3A sho	ws the	followii	ng informa	ation 1	for Tax Y	ear: 20:	17 ▼ <mark>I</mark>	ax Year Cha	<u>irt</u>
Name 2:	Parcel Number			axing		Primary	/ Own	er: SWIF	T CURRE	NT LA	AND & CA	TTLE
Map	Section: 20		,	Range:	17E	1						
Tax Bill Mailing Address	Atlas Number:	-	Мар:		arcel	In C/O:						
Size   Superior   Superior   State:   AZ	Property Descr	iption: (W	nat is th			Tax Bill Mailing Address						
City:   SUPERIOR   State:   AZ   Zip Code:   85173						Address: PO BOX 1944						
Zip Code:   85173						City: SUPERIOR						
Date of Sale:   3/26/2004     Property Address (Location):						State:		AZ				
Sale Amount:         \$3,500,000.00           Document(s):         Subdivision:           2004-021434         Unit:         Block:         Lot:         Phase:           Yes         No         Cabinet:         Slide:						Zip Cod	e:	85173	3			
Sale Amount:         \$3,500,000.00           Document(s):         Subdivision:           2004-021434         Unit:         Block:         Lot:         Phase:           Yes         No         Cabinet:         Slide:												
Document(s):         Subdivision:           2004-021434         Unit:         Block:         Lot:         Phase:           Yes         No         Cabinet:         Slide:	Date of Sale:	3/26/2004	4			Propert	y Add	ress (Loc	ation):			
2004-021434         Unit:         Block:         Lot:         Phase:           Yes         No         Cabinet:         Slide:	Sale Amount:	\$3,500,00	00.00									
Yes No Cabinet: Slide:	Document(s):					Subdivis	sion:					
Widow X	2004-021434					Unit:	ВІ	ock:	Lot:		Phase:	
				Yes	No	Cabinet	:		Slide:			
Widower X	Widow				Х							
	Widower				Χ							

In	np:	0.00	Item:		
Co	onst	year:	0	Grnd Flr Perim:	0
St	orie	s:		Total Sq. Ft.:	0

Χ

Χ

Parcel Size: 473.62

Disabled

Senior Freeze

Size Indicator:	Acres	
Tax Area Code:	0806 (Rates current as of 2013)	
Use Code:	0004	
Land Legal Class:	02RL - Vacant Land / Non-Profit Imp	
Impr. Legal Class:		
Full Cash Value (FCV):	\$89,893.00	% COMPARABLE PROPERTIES
Limited Value (LPV):	\$67,882.00	
Real Property Ratio:		
Assessed FCV:	\$13,484.00	
Assessed LPV:	\$10,182.00	

Attached Personal Property:	No Personal Property Listed

Start a New Search

Ò	

#### **Search Results (1 Entries)**

**Parcel Details (306-07-003B)** 

open	+
open	+

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



**Somparable Properties** 



Second Second



Print View

Parcel Number 306-07-003B shows the following information for Tax Year: 2017 ▼ Tax Year Chart

Parcel Number: 306-07-003B ( <u>Taxing</u> <u>Information</u> )						
Section:		Township:		Range:	17E	
Atlas Nu	Atlas Number: - Map: View Parcel Map					
Property Description: (What is this?)						
N-100 OF NW SEC 20-8S-17E W OF RIVER RD ROW, 4.1 AC						

Primary Owner:	BENNY CLARK
Name 2:	
In C/O:	
Tax Bill Mailing	Address
Address:	PO BOX 145
City:	MAMMOTH
State:	AZ
Zip Code:	85618

Date of Sale:	1/31/2012			Property Address (Location):						
Sale Amount:	\$10.00									
Document(s):				Subdi	visio	n:				
2012-007458				Unit:		Block:		Lot:	Phase	:
		Yes	No	Cabin	et:	•		Slide:	,	•

Widow	X
Widower	X
Disabled	X
Senior Freeze	X

In	np:	0.00	Item:		
Co	onst	year:	0	Grnd Flr Perim:	0
St	orie	s:		Total Sq. Ft.:	0

Parcel Size:	4.10		
Size Indicator:	Acres		
Tax Area Code:	0803	(Rates current as of 2013)	
Use Code:	0004		
Land Legal Class:	02RL -	- Vacant Land / Non-Profit Imp	
Impr. Legal Class:			
Full Cash Value (FCV):	\$5,17	8.00	<b>SOMPARABLE PROPERTIES</b>
Limited Value (LPV):	\$3,91	1.00	
Real Property Ratio:			
Assessed FCV:	\$777.0	00	
Assessed LPV: \$587.		00	
Attached Personal Prop	erty:	No Personal Property Listed	

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

Start a New Search

ì

### **Search Results (1 Entries)**

**Parcel Details (306-07-004A)** 

open	+
open	+

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

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

Parcel Number 306-07-004A shows the following information for Tax Year: 2017 ▼ Tax Year Chart

Parcel Number: 306-07-004A (Taxing Information)						Primary Owner	SWIFT CURRENT LAND & CATTLE
Section:		Township:		Range:	17E	Name 2:	
Atlas Nu	mber	: -	Мар:	View Pa	arcel	In C/O:	
Property	Desc	ription: (W	hat is th	nis?)		Tax Bill Mailing	Address
N1/2 SE & SE SE & SW NE OF SEC 20-8S-17E EXC						Address:	PO BOX 1944
1	E-271.9 OF THE N-656.9 OF THE SW NE THEREOF 156.18 AC			EREOF	City:	SUPERIOR	
						State:	AZ
						Zip Code:	85173

Date of Sale:	Not Given			Property Address (Location):				
Sale Amount:	Not Given							
Document(s):				Subdivis	ion:			
2004-021434				Unit:	Block:	Lot:	Phase:	
		Yes	No	Cabinet:		Slide:	- 1	

Widow X
Widower X
Disabled X
Senior Freeze X

In	np:	0.00	Item:		
Co	onst	year:	0	Grnd Flr Perim:	0
St	orie	s:		Total Sq. Ft.:	0

Parcel Size:	156.18					
Size Indicator:	Acres					
Tax Area Code:	0806 (Rates current as of 2013)	0806 (Rates current as of 2013)				
Use Code:	0004					
Land Legal Class:	02RL - Vacant Land / Non-Profit Imp					
Impr. Legal Class:						
Full Cash Value (FCV):	\$57,006.00	% COMPARABLE PROPERTIES				
Limited Value (LPV):	\$43,047.00					
Real Property Ratio:						
Assessed FCV:	\$8,551.00					
Assessed LPV:	\$6,457.00					

Attached Personal Property:	No Personal Property Listed

Start a New Search



#### **Search Results (1 Entries)**

**Parcel Details (306-07-004B)** 

open	+
open	+

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

Comparable Properties



Link to This Parcel



Print View

Parcel Number 306-07-004B shows the following information for Tax Year: 2017 ▼ Tax Year Chart

306-07-004B (Taxing **Parcel Number:** Information) Section: 20 Township: 08S Range: 17E View Parcel Atlas Number: -Map:

**Property Description:** (What is this?)

COM @ E1/4 COR OF SEC 20-8S-17E TH W-1165.09 TO POB CONT W-415.93 TH N-576.11 TH N-72D E-435.98 TH S-696.04 TO POB 6.07 AC

Primary Owner:	SAN PEDRO VALLEY LIONS CLUB
Name 2:	
In C/O:	
Tax Bill Mailing	Address
Address:	PO BOX 567
City:	MAMMOTH
State:	AZ
Zip Code:	85618

Date of Sale: Not Given **Sale Amount:** Not Given Document(s): 2003-065283

2003-065283		
	Yes	No
Widow		X
Widower		Х
Disabled		Х
Senior Freeze		Х

Cabinet: Slide:							
Unit: Block: Lot: Phase:							
Subdiv	vision:						
Propert match t	y Address he mailin	s refers g addre	to a geo	graphi or zip co	cal locat	ion: it may	'n
VIE	W MAP						
MAMM	IOTH AZ	2 856	18				
07000	E COPF	PER CR	EEK R	D			

In	np:	0.00	Item:		
Co	onst	year:	0	Grnd Flr Perim:	0
St	orie	s:		Total Sq. Ft.:	0

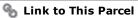
Parcel Size:	6.07			
Size Indicator:	Acres			
Tax Area Code:	0806	(Rates current as of 2013)		
Use Code:	0004			
Land Legal Class:	02RL	- Vacant Land / Non-Profit Imp		
Impr. Legal Class:				
Full Cash Value (FCV):	\$5,89	4.00	<b>SOMPARABLE PROPERTIES</b>	
Limited Value (LPV):	\$4,45	1.00		
Real Property Ratio:				
Assessed FCV:	\$884.	00		
Assessed LPV:	\$668.00			
Attached Personal Prop	erty:	No Personal Property Listed		

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

#### **Parcel Details (306-14-001A)**

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

**Somparable Properties** 





Parcel Number 306-14-001A shows the following information for Tax Year: 2017 ▼ Tax Year Chart

Parcel Number: 306-14-001A (Taxing Information)					
Section:		Township:		Range:	17E
Atlas Nu	mber:	-	Мар:	<u>View Pa</u> <u>Map</u>	<u>arcel</u>
Property Description: (What is this?)					
E2 NE SEC 19-8S-17E LYING E OF LINE COM AT E4 COR SEC 19 TH W-416.82 TO POB TH N 24D 47' 06" W-2253.96 TO END OF LINE EXC E-					

Primary Owner:	SWIFT CURRENT LAND & CATTLE LLC
Name 2:	
In C/O:	
Tax Bill Mailing	Address
Address:	PO BOX 1944
City:	SUPERIOR
State:	AZ
Zip Code:	85173

Date of Sale: 3/26/2004 Sale Amount: \$3,500,000.00 Document(s):

**Property Address (Location):** 

**Block:** 

2004-021434

1055.57 OF N-100, 57.58 AC

Unit: Cabinet:

No

Χ

**Subdivision:** 

Phase: Lot:

Slide:

Χ Widow

Yes

Widower

Disabled Χ

Senior Freeze Χ

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

Parcel Size:

57.58

Size Indicator:	Acres		
Tax Area Code:	0802 (Rates current as of 2013)		
Use Code:	0004		
Land Legal Class:	02RL - Vacant Land / Non-Profit Imp		
Impr. Legal Class:			
Full Cash Value (FCV):	\$44,135.00	% COMPARABLE PROPERTIES	
Limited Value (LPV):	\$33,329.00		
Real Property Ratio:			
<b>Assessed FCV:</b> \$6,620.00			
Assessed LPV:	\$4,999.00		

Attached Personal Property:	No Personal Property Listed

Start a New Search

Û	

### **Search Results (1 Entries)**

Parcel Details (306-14-001B)

C	pen	+
c	pen	+

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

Parcel Number 306-14-001B shows the following information for Tax Year: 2017 ▼ Tax Year Chart

Parcel Number: 306-14-001B (Taxing Information)								
Section:		Township:		Range:	17E			
Atlas Number: - Map: View Parcel Map								
Property Description: (What is this?)								
E-1055.57 OF N-100 E2 NE SEC 19-8S-17E, 2.42 AC								

Primary Owner:	BENNY CLARK			
Name 2:				
In C/O:				
Tax Bill Mailing Address				
Address:	PO BOX 145			
City:	MAMMOTH			
State:	AZ			
Zip Code:	85618			

Date of Sale:	1/31/2012			1/31/2012 Property Address (Location):					
Sale Amount:	\$10.00								
Document(s):				Subdivis	ion:				
2012-007458				Unit:	Block:	Lot:	Phase:		
		Yes	No	Cabinet:		Slide:			

Widow X
Widower X
Disabled X
Senior Freeze X

Imp	0.00	Item:		
Cons	t year:	0	Grnd Flr Perim:	0
Stori	es:		Total Sq. Ft.:	0

Parcel Size:	2.42	42								
Size Indicator:	Acres	icres								
Tax Area Code:	0802	0802 (Rates current as of 2013)								
Use Code:	0004	004								
Land Legal Class:	02RL	D2RL - Vacant Land / Non-Profit Imp								
Impr. Legal Class:										
Full Cash Value (FCV):	\$4,34	6.00	% COMPARABLE PROPERTIES							
Limited Value (LPV):	\$3,28	2.00								
Real Property Ratio:										
Assessed FCV:	\$652.	\$652.00								
Assessed LPV:	\$492.00									
•										
Attached Personal Prop	erty:	No Personal Property Listed								

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

Disabled

Senior Freeze

Parcel Searc	h*							Start	a New Se	arch	
Search Re Parcel Det	-		-								open •
Previous year val											
			಄	Compar	able Prope	rties	& ப	ink to T	his Parcel	0	Print View
Parcel Number	306-03-00	20 sho	ws the	followi	ng infor	mati	on for	Tax Y	ear: 201	.7 ▼ <u>I</u>	ax Year Chart
Parcel Number	306-03-0 Informatio		axing		Prima	ry O	wner:	SWIF LLC	T CURRE	NT LA	AND & CATTL
Section: 12	Township:	08S	Range:	16E	Name	2:					
Atlas Number:	-	Мар:	View P Map	<u>arcel</u>	In C/	0:					
Property Descr	iption: (Wh	nat is th	nis?)		Tax Bill Mailing Address						
NE SE & SE NE 8	& W1/2 NE (	OF SEC	12-8S-1	.6E	Address: PO BOX 1944						
160.00 AC					City:			SUPE	RIOR		
					State:			AZ			
					Zip Co	ode:		85173	3		
Date of Sale:	Not Given	1			Prope	rty A	Addres	s (Loc	ation):		
Sale Amount:	Not Given	1									
Document(s):	•				Subdi	visio	n:				
2004-021434					Unit:		Bloci	k:	Lot:		Phase:
			Yes	No	Cabin	et:		l	Slide:		
Widow				X					-		
Widower				Χ							

Ι	mp:	0.00	Item:		
C	onst	year:	0	Grnd Flr Perim:	0
S	torie	s:		Total Sq. Ft.:	0

Χ

Χ

Parcel Size:	160.00						
Size Indicator:	Acres						
Tax Area Code:	0806 (Rates current as of 2013)						
Use Code:	0004						
Land Legal Class:	02RL - Vacant Land / Non-Profit Imp						
Impr. Legal Class:							
Full Cash Value (FCV):	\$52,560.00	% COMPARABLE PROPERTIES					
Limited Value (LPV):	\$39,690.00						
Real Property Ratio:							
Assessed FCV:	\$7,884.00						
Assessed LPV:	\$5,954.00						

Attached Personal Property:	No Personal Property Listed	

Start a New Search

Ò

### **Search Results (1 Entries)**

Parcel Details (306-07-0050)

open	+
open	+

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

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

Parcel Number 306-07-0050 shows the following information for Tax Year: 2017 ▼ Tax Year Chart

Parcel Number: 306-07-0050 (Taxing Information)				axing	Primary Owner	SWIFT CURRENT LAND & CA	
Section:		Township:		Range:	17E	Name 2:	
Atlas Nu	mber:	-	Мар:	View Pa	arcel	In C/O:	
Property Description: (What is this?)				Tax Bill Mailing	Address		
W1/2 SW & SW NW SEC 21-8S-17E & W1/2 W1/2				E & W1/2	W1/2	Address:	PO BOX 1944
SEC 28-8	SEC 28-8S-17E 280.00 AC			City:	SUPERIOR		
					State:	AZ	
						Zip Code:	85173

Date of Sale:	Not Given			Property	Address (L	ocation):	
Sale Amount:	Not Given						
Document(s):				Subdivis	ion:		
2004-021434				Unit:	Block:	Lot:	Phase:
		Yes	No	Cabinet:		Slide:	1

Widow X
Widower X
Disabled X
Senior Freeze X

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

Parcel Size:	280.00		
Size Indicator:	Acres		
Tax Area Code:	0806 (Rates current as of 2013)		
Use Code:	0004		
Land Legal Class:	02RL - Vacant Land / Non-Profit Imp		
Impr. Legal Class:			
Full Cash Value (FCV):	\$67,452.00	% COMPARABLE PROPERTIES	
Limited Value (LPV):	\$50,936.00		
Real Property Ratio:			
Assessed FCV:	\$10,118.00		
Assessed LPV:	\$7,640.00		

Attached Personal Property:	No Personal Property Listed	

Start a New Search

Ę	ì

#### **Search Results (1 Entries)**

Parcel Details (306-07-0060)

open	+
open	+

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



Comparable Properties



Second Second



Print View

Parcel Number 306-07-0060 shows the following information for Tax Year: 2017 ▼ Tax Year Chart

306-07-0060 (Taxing **Parcel Number:** Information) Section: 29 Township: 08S Range: 17E View Parcel Atlas Number: 107-29 Map: **Property Description:** (What is this?) E1/2 & E1/2 NW OF SEC 29-8S-17E 400.00 AC

Primary Owner:	SWIFT CURRENT LAND & CATTLE LLC
Name 2:	
In C/O:	
Tax Bill Mailing	Address
Address:	PO BOX 1944
City:	SUPERIOR
State:	AZ
Zip Code:	85173

Date of Sale:	Not Given		
Sale Amount:	Not Given		
Document(s):			
2004-021434			

Yes No Χ Widow Widower Χ Disabled Χ Senior Freeze Χ

Property Address (Location):							
17590 S RIVE MAMMOTH AZ		518					
VIEW MAP							
Property Addres match the mailin	s refers g addre	to a ge	ographi or zip co	cal loca ode	ition: it ma	ay not	
Subdivision:						_	

Unit: **Block:** Phase: Lot: Cabinet: Slide:

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

Parcel Size:	400.00			
Size Indicator:	Acres			
Tax Area Code:	0806 (Rates current as of 2013)			
Use Code:	0014			
Land Legal Class:	02RL - Vacant Land / Non-Profit Imp			
Impr. Legal Class:				
Full Cash Value (FCV):	\$73,000.00			
Limited Value (LPV):	\$55,125.00			
Real Property Ratio:				
Assessed FCV:	\$10,950.00			
Assessed LPV:	\$8,269.00			

Attached Personal Property:	View Personal Property Attached To This Parcel	
4		

Widower

Disabled

Senior Freeze

Parcel Searc	ch*							Start	a New Se	earch	
Search Re Parcel De	-		-								open
Previous year va not be reflected											
D	206 07 00	00 -1			able Prope		-		his Parce	_	Print Viev
Parcel Number	306-07-00	8U SNO	ws tne	tollowi	ng infori	matio	n for I	ax Y	ear: [20]	17 ▼	Tax Year Chan
Parcel Number	306-07-0 Information		axing		Prima	ry O	wner:	SWIF LC	T CURRE	NT L	AND & CA <sup>-</sup>
Section: 32	Township:	08S	Range	17E	Name	2:					
Atlas Number:	-	Мар:	<u>View</u> Map	<u>Parcel</u>	In C/O	<b>)</b> :					
Property Desc	ription: (W	hat is th	nis?)		Tax Bi	ill Ma	iling A	ddre	ss		
N1/2 NE & SE N	IE 120.00 A	2			Addre	ss:		РО В	OX 1944		
					City:			SUPE	RIOR		
					State:			ΑZ			
					Zip Co	de:		85173	3		
	<u> </u>				<del>-</del>						
Date of Sale:	Not Give	1			Prope	rty A	ddress	(Loc	ation):		
Sale Amount:	Not Give	า			_						
Document(s):					Subdiv	visior	n:				
2004-021434					Unit:	<u>,</u>	Block	•	Lot:		Phase:
			Yes	No	Cabin	et:			Slide:		
Widow				Χ							

Imp	0.00	Item:		
Cons	t year:	0	Grnd Flr Perim:	0
Stor	es:		Total Sq. Ft.:	0

Χ

Χ

Χ

Parcel Size:	120.00	
Size Indicator:	Acres	
Tax Area Code:	0803 (Rates current as of 2013)	
Use Code:	0004	
Land Legal Class:	02RL - Vacant Land / Non-Profit Imp	
Impr. Legal Class:		
Full Cash Value (FCV):	\$47,304.00	% COMPARABLE PROPERTIES
Limited Value (LPV):	\$35,721.00	
Real Property Ratio:		
Assessed FCV:	\$7,096.00	
Assessed LPV:	\$5,358.00	

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

Start a New Search

	à
Г	

#### **Search Results (1 Entries)**

Parcel Details (306-09-0030)

open	+
open	+

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



**Somparable Properties** 



Second Property Link to This Parcel



Print View

Parcel Number 306-09-0030 shows the following information for Tax Year: 2017 ▼ Tax Year Chart

Parcel Number: 306-09-0030 (Taxing Information)					
Section:	07	Township:	08S	Range:	17E
Atlas Nu	Atlas Number: - Map: View Parcel Map				
Property Description: (What is this?)					
LOTS 2 3 4 & E1/2 SW & SW SE SEC 7-8S-17E 240.00 AC					

Primary Owner	SWIFT CURRENT LAND & CATTLE LLC		
Name 2:			
In C/O:			
Tax Bill Mailing Address			
Address:	PO BOX 1944		
City:	SUPERIOR		
State:	AZ		
Zip Code:	85173		

Date of Sale:	Not Given			Prope	erty A	Address (Lo	ocation):		
Sale Amount:	Not Given								
Document(s):				Subdi	visio	n:			
2004-021434				Unit:		Block:	Lot:	Phase:	
		Yes	No	Cabin	et:	-	Slide:	1 1	

Widow	X
Widower	Х
Disabled	X
Senior Freeze	X

In	np:	0.00	Item:		
Co	onst	year:	0	Grnd Flr Perim:	0
St	orie	s:		Total Sq. Ft.:	0

Parcel Size:	240.00						
Size Indicator:	Acres						
Tax Area Code:	0806 (Rates current as of 2013)						
Use Code:	0004	0004					
Land Legal Class:	02RL - Vacant Land / Non-Profit Imp						
Impr. Legal Class:							
Full Cash Value (FCV):	\$57,816.00	% COMPARABLE PROPERTIES					
Limited Value (LPV):	\$43,659.00						
Real Property Ratio:							
Assessed FCV:	\$8,672.00						
Assessed LPV:	\$6,549.00						

Attached Personal Property:	No Personal Property Listed	

Parcel Searc	earch*					Start a New Search					
Search Re Parcel De	-		-							open	H
Previous year va not be reflected											• ma
			%	Compara	able Properties	% Lin	k to T	his Parc	el 🧯	Print Viev	w
Parcel Number	306-25-00	10 sho	ws the	followii	ng informatio	n for T	ax Y	<b>ear:</b> 20	)17 ▼	Tax Year Char	<u>t</u>
Parcel Number	306-25-0	010 ( <u>Ta</u>	axing		Primary Ov	vner:	SWIF	T CURR	ENT L	AND & CA	TTLE
	Township:		Range:	17E	Name 2:						
Atlas Number:	-	Мар:	View P. Map	arcel	In C/O:						
Property Desci	ription: (W	nat is th	nis?)		Tax Bill Ma	iling A	ddre	ss			
N2 NE SE & SE		V & W2	NW & N	E NW	Address:		РО ВО	OX 1944	ŀ		
& N2 NE & SE N	IE 380AC				City:		SUPE	RIOR	OR		
					State:		ΑZ				
					Zip Code:		85173	3			
Date of Sale:	Not Given Property Address (Location):										
Sale Amount:	ale Amount: Not Given										
Document(s):					Subdivision	n:					
2004-021434					Unit:	Block		Lot:		Phase:	
								- CI: I		<u> </u>	

Document(s):		Subdivision:						
2004-021434			Unit:	Block:	Lot:			
	Yes	No	Cabinet:		Slide:			
Widow		X						
Widower		X						
Disabled		X						
Senior Freeze		Χ						

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

Parcel Size:	380.00							
Size Indicator:	Acres							
Tax Area Code:	0806 (Rates current as of 2013)	0806 (Rates current as of 2013)						
Use Code:	0004							
Land Legal Class:	02RL - Vacant Land / Non-Profit Imp							
Impr. Legal Class:								
Full Cash Value (FCV):	\$69,350.00	% COMPARABLE PROPERTIES						
Limited Value (LPV):	\$52,369.00							
Real Property Ratio:	io:							
Assessed FCV:	\$10,403.00							
Assessed LPV:	\$7,855.00	_						

Attached Personal Property:	No Personal Property Listed

**Imp:** 0.00

Const year:

**Stories:** 

Item:

0

**Grnd Flr Perim:** 0

0

Total Sq. Ft.:

Start a New Search

												_	
Sea	rch R	esults (1 E	Intries	5)								ор	en 📳
D Pare	☐ Parcel Details (306-25-0060)												
		aluations are											ue may
not be r	eflected	in this data.	For upda	ited/corre	ect figures	, please refe	er to	the Tre	asurer's	office w	ebsite	Э.	
				Q.	Compar	able Proper	ties	G <sub>2</sub> Li	nk to T	his Parce	el p	Print Vi	ew
Parcel N	umbe	r 306-25-00	60 shc			ng inform	atio	n for	Tax Y	ear: 20	17 ▼	Tax Year Ch	<u>iart</u>
Parcel N	lumbe	7: 306-25-0 Information		axing		Primar	y O	wner:	SWIF LLC	T CURR	ENT I	LAND & C	ATTLE
Section:	33	Township:	08S	Range	: 17E	Name 2	2:						
Atlas Nu	ımber:	: -	Мар:	View F Map	<u>Parcel</u>	In C/O	:						
Property	/ Desc	ription: (W	hat is t	his?)		Tax Bill Mailing Address							
SW SW 4	40AC					Addres	ldress: PO BOX 1944						
						City:			SUPE	RIOR			
						State:			AZ				
						Zip Cod	de:		85173	3			
Date of	Sale:	Not Give	n			Proper	ty A	ddres	s (Loc	ation):			
Sale Am	ount:	Not Give	n										
Docume	nt(s):					Subdiv	isio	n:					
2004-021	.434					Unit:		Bloc	k:	Lot:		Phase:	
				Yes	No	Cabine	t:			Slide:			
Widow					Χ								
Widow	er				Х								
Disable	ed				Χ								
Senior	Freeze	e			Х								

1	in
- 1	12

Parcel Size:	40.00					
Size Indicator:	Acres					
Tax Area Code:	0806 (Rates current as of 2013)	0806 (Rates current as of 2013)				
Use Code:	0004	0004				
Land Legal Class:	02RL - Vacant Land / Non-Profit Imp					
Impr. Legal Class:						
Full Cash Value (FCV):	\$28,908.00					
Limited Value (LPV):	\$21,830.00					
Real Property Ratio:						
Assessed FCV:	\$4,336.00					
Assessed LPV:	\$3,274.00					

Attached Personal Property:	No Personal Property Listed	

Start a New Search

D

### **Search Results (1 Entries)**

Parcel Details (306-33-0090)

open	÷
open	+

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

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

Parcel Number 306-33-0090 shows the following information for Tax Year: 2017 ▼ Tax Year Chart

Parcel Number: 306-33-0090 (Taxing Information)						Primary Owner	SWIFT CURRENT LAND & CATTLE
Section:		Township:		Range:	17E	Name 2:	
Atlas Nu	Atlas Number: - Map: View Parcel Map		In C/O:				
Property Description: (What is this?)			Tax Bill Mailing	ailing Address			
THAT PR	T OF N	W LYING N	& W OF	HWY 17	7 R/W	Address:	PO BOX 1944
SEC 18-8	SEC 18-8S-17E 30.00 AC + OR -					City:	SUPERIOR
						State:	AZ
						Zip Code:	85173

Date of Sale:	Not Given			Property	Address (L	ocation):	
Sale Amount:	Not Given						
Document(s):				Subdivis	ion:		
2004-021434				Unit:	Block:	Lot:	Phase:
		Yes	No	Cabinet:		Slide:	

Widower X

Disabled X

Senior Freeze X

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

Parcel Size:	30.00					
Size Indicator:	Acres	Acres				
Tax Area Code:	0802 (Rates current as of 2013)					
Use Code:	0004					
Land Legal Class:	02RL - Vacant Land / Non-Profit Imp					
Impr. Legal Class:						
Full Cash Value (FCV):	\$30,879.00	% COMPARABLE PROPERTIES				
Limited Value (LPV):	\$23,318.00					
Real Property Ratio:						
Assessed FCV:	\$4,632.00					
Assessed LPV:	\$3,498.00					

Attached Personal Property:	No Personal Property Listed	ì

Start a New Search

à
1

### **Search Results (1 Entries)**

Parcel Details (306-33-0100)

open	+
open	+

Print View

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

Comparable Properties	% Link to This Parce

Parcel Number 306-33-0100 shows the following information for Tax Year: 2017 ▼ Tax Year Chart

Parcel Number: 306-33-0100 (Taxing Information)						
Section:		Township:		Range:	17E	
Atlas Number: - Map: View Parcel Map						
Property Description: (What is this?)						
THAT PRT OF N1/2 OF SEC 18-8S-17E LYING E OF W LINE OF HWY 177 R/W LINE EXC FOR S1/2 OF						

NE THEREOF SEC 18-8S-17E 104.00 AC + OR -

Primary Owner:	SWIFT CURRENT LAND & CATTLE
Name 2:	
In C/O:	
Tax Bill Mailing	Address
Address:	PO BOX 1944
City:	SUPERIOR
State:	AZ
Zip Code:	85173

Date of Sale:	Not Given			Property	Address (L	ocation):	
Sale Amount:	Not Given						
Document(s):				Subdivis	ion:		
2004-021434				Unit:	Block:	Lot:	Phase:
		Yes	No	Cabinet:		Slide:	1

Widow Χ Widower Χ Disabled Χ Senior Freeze Χ

Im	ıp:	0.00	Item:		
Со	nst	year:	0	Grnd Flr Perim:	0
Sto	orie	s:		Total Sq. Ft.:	0

Parcel Size:	104.00					
Size Indicator:	Acres					
Tax Area Code:	0802 (Rates current as of 2013)					
Use Code:	0004					
Land Legal Class:	02RL - Vacant Land / Non-Profit Imp					
Impr. Legal Class:						
Full Cash Value (FCV):	\$107,047.00					
Limited Value (LPV):	\$80,835.00					
Real Property Ratio:						
Assessed FCV:	\$16,057.00					
Assessed LPV:	\$12,125.00					

Attached Personal Property:	No Personal Property Listed	

#### D 1 Coorah\*

Senior Freeze

Parcel Sear	cn*							Start	a New S	earch	]	
Search R	esults (1 E	ntries	s)								oper	n 🖶
Parcel De	etails (307	'-05-0	020)								oper	1
Previous year v not be reflected												e ma
			%	Compara	able Prope	<u>rties</u>	% Li	nk to T	his Parce	ı	Print Viev	w
Parcel Number	r 307-05-00	20 sho	ws the 1	followi	ng infor	nati	on for	Tax Y	ear: 20	17 ▼	<u>Гах Year Char</u>	<u>rt</u>
Parcel Numbe	7: 307-05-0 Information	0020 ( <u>Ta</u>	axing		Prima	ry O	wner:	SWIF LC	T CURRI	ENT L	and & ca	TTL
Section: 03	Township:		Range:	17E	Name							
Atlas Number:	-	Мар:	View Pa	arcel	In C/	<b>D</b> :						
Property Desc	ription: (W	hat is th	nis?)		Тах В	ill M	ailing A	Addre	ss			
SW SW 40AC					Addre	ss:		РО ВО	OX 1944			
					City:			SUPE	RIOR			
					State:			AZ				
					Zip Co	de:		85173	3			
Date of Sale:	3/26/200	4			Prope	rty A	Addres	s (Loc	ation):			
Sale Amount:	\$3,500,0	00.00										
Document(s):					Subdi	visio	n:					
2004-021434					Unit:		Block	<b>(:</b>	Lot:		Phase:	
			Yes	No	Cabin	et:			Slide:			
Widow				Χ								
Widower				Χ								
Disabled				Χ								

Imp:	0.00	Item:		
Cons	t year:	0	Grnd Flr Perim:	0
Stori	es:		Total Sq. Ft.:	0

Χ

Parcel Size:	40.00						
Size Indicator:	Acres						
Tax Area Code:	0806 (Rates current as of 2013)						
Use Code:	0004	0004					
Land Legal Class:	02RL - Vacant Land / Non-Profit Imp						
Impr. Legal Class:							
Full Cash Value (FCV):	\$84,680.00 <u>S COMPARABLE PROPERTIES</u>						
Limited Value (LPV):	\$63,945.00						
Real Property Ratio:							
Assessed FCV:	\$12,702.00						
Assessed LPV:	\$9,592.00						

Attached Personal Property:	No Personal Property Listed

### Parcel Search\*

Senior Freeze

Start a New Search

Parcer Searc	211 ·							Start	a New S	earcn		
Search Re	esults (1 E	ntries	;)								ор	en 🖶
Parcel De	tails (307-	-05-00	040)								ор	en 📳
Previous year va												ıe ma
Parcel Number	307-05-004	10 sho			ng infor				his Parce		Print Vi	
Parcel Number	307-05-00 Information	040 ( <u>Ta</u> n)	axing		Prima	ry O	wner:	SWIF	T CURR	ENT L	AND & C	ATTL
	Township:		Range:	17E	Name							
Atlas Number:	-	Мар:	<u>View Pa</u> Map	arcel	In C/	<b>D</b> :						
Property Desci	ription: (Wh	at is th			Тах В	ill M	ailing	Addre	ss			
E2 NW					Addre	ss:		РО ВО	OX 1944			
					City:			SUPE	RIOR			
					State:			AZ				
					Zip Co	de:		85173	3			
					7.							
Date of Sale:	3/26/2004	ļ			Prope	rty A	Addres	s (Loc	ation):			
Sale Amount:	\$3,500,00	0.00										
Document(s):					Subdi	visio	n:					
2004-021434					Unit:		Bloc	k:	Lot:		Phase:	
			Yes	No	Cabin	et:			Slide:			
Widow				Χ								
Widower				Х								
Disabled				Χ								

Imp:	0.00	Item:		
Cons	t year:	0	Grnd Flr Perim:	0
Stori	es:		Total Sq. Ft.:	0

Χ

Parcel Size:	80.52	
Size Indicator:	Acres	
Tax Area Code:	0806 (Rates current as of 2013)	
Use Code:	0004	
Land Legal Class:	02RL - Vacant Land / Non-Profit Imp	
Impr. Legal Class:		
Full Cash Value (FCV):	\$135,193.00	% COMPARABLE PROPERTIES
Limited Value (LPV):	\$102,089.00	
Real Property Ratio:		
Assessed FCV:	\$20,279.00	
Assessed LPV:	\$15,313.00	

Attached Personal Property:	No Personal Property Listed	

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

Disabled

Senior Freeze

Parcel Searc	h*							Start	a New Se	earch	
Search Re Parcel Det	-		-								open •
Previous year val not be reflected i											
			%	Compar	able Proper	<u>ties</u>	& Lin	k to T	his Parce	-	Print View
Parcel Number	307-05-00	50 sho	ws the	followi	ng inform	atio	on for T	ax Y	ear: 20:	17 ▼ <mark>I</mark>	ax Year Chart
Parcel Number	307-05-0		axing		Primar	у О	wner:	SWIF _C	T CURRE	NT L	AND & CATTI
Section: 04	Township:	09S	Range:	17E	Name :	2:					
Atlas Number:	-	Мар:	View Page Map	<u>arcel</u>	In C/O	:					
Property Descr	iption: (W	nat is th	nis?)		Tax Bil	I M	ailing A	ddre	ss		
SW NW & LOT 4	80.52AC				Addres	s:		РО В	OX 1944		
					City:			SUPE	RIOR		
					State:			ΑZ			
					Zip Cod	le:		8517	3		
Date of Sale:	3/26/2004	4			Proper	ty A	Address	(Loc	ation):		
Sale Amount:	\$3,500,00	00.00									
Document(s):					Subdiv	isio	n:				
2004-021434					Unit:		Block		Lot:		Phase:
			Yes	No	Cabine	t:	•	•	Slide:		•
Widow				Χ		•					
Widower				Х							

Imp	0.00	Item:		
Cons	t year:	0	Grnd Flr Perim:	0
Stor	es:		Total Sq. Ft.:	0

Χ

Χ

Parcel Size:	80.52	
Size Indicator:	Acres	
Tax Area Code:	0806 (Rates current as of 2013)	
Use Code:	0004	
Land Legal Class:	02RL - Vacant Land / Non-Profit Imp	
Impr. Legal Class:		
Full Cash Value (FCV):	\$135,193.00	% COMPARABLE PROPERTIES
Limited Value (LPV):	\$102,089.00	
Real Property Ratio:		
Assessed FCV:	\$20,279.00	
Assessed LPV:	\$15,313.00	

Attached Personal Property:	No Personal Property Listed	

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

Disabled

Senior Freeze

Parcel Searc	ch*						Star	t a New S	earch		
	sults (1 Ent		-								en 👃
Previous year va not be reflected											ıe may
			%	Compara	ble Propertie	es &	Link to	This Parce	el 🧂	Print Vi	ew
Parcel Number	307-05-0060	) sho	ws the f	followir	ng informa	tion f	or Tax \	<b>/ear:</b> 20	17 ▼	Гах Year Ch	<u>art</u>
Parcel Number	307-05-006 Information)		nxing		Primary	Owne	er: SWI	FT CURR	ENT L	AND & C	ATTLE
Section: 04	Township: 09	9S	Range:	17E	Name 2:						
Atlas Number:	- 1	Чар:	View Pa	arcel	In C/0:						
Property Desci	ription: (What	t is th	is?)		Tax Bill	Mailir	ng Addre	ess			
SW & W2 NW S	E & SW SE 22	0AC			Address	:	PO E	OX 1944			
					City:		SUPI	ERIOR			
					State:		AZ				
					Zip Code	e:	8517	'3			
	<u>,                                      </u>				7.						
Date of Sale:	3/26/2004				Property	/ Addr	ess (Lo	cation):			
Sale Amount:	\$3,500,000.	.00									
Document(s):					Subdivis	ion:					
2004-021434					Unit:	Ble	ock:	Lot:		Phase:	
			Yes	No	Cabinet:		•	Slide:			
Widow				X							
Widower				X							

Im	ıp:	0.00	Item:		
Со	nst	year:	0	Grnd Flr Perim:	0
Sto	orie	s:		Total Sq. Ft.:	0

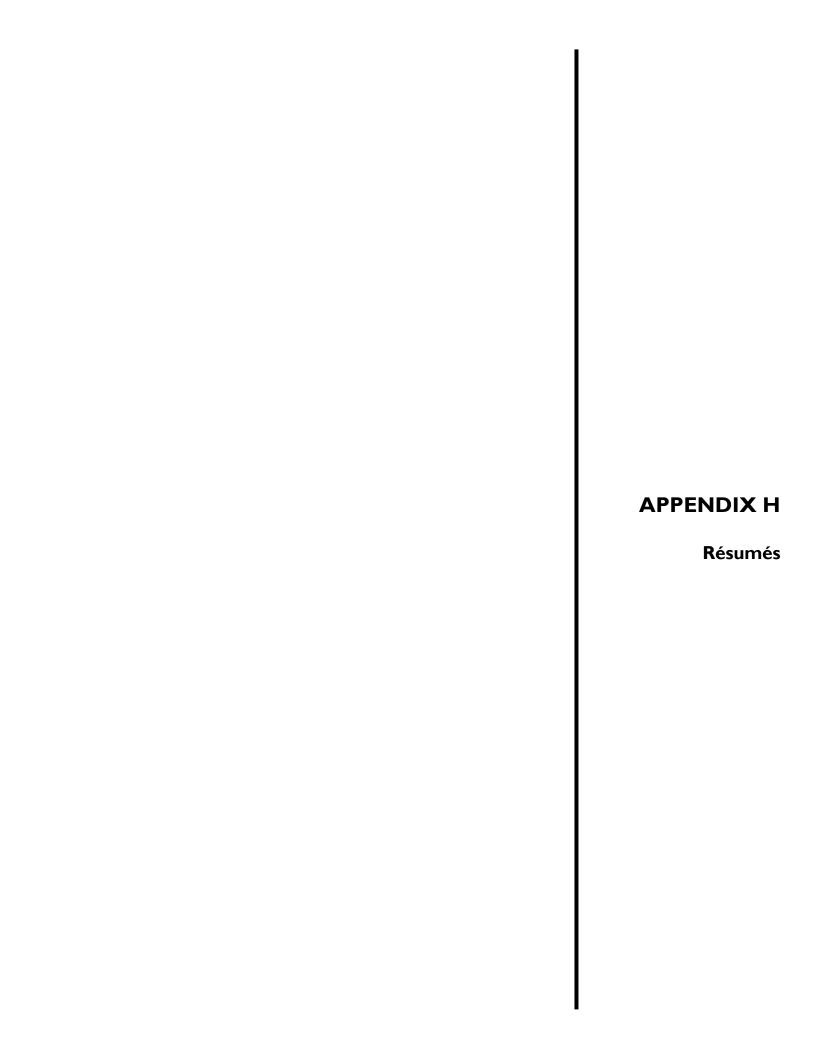
Χ

Χ

Parcel Size:	220.00	
Size Indicator:	Acres	
Tax Area Code:	0806 (Rates current as of 2013)	
Use Code:	0004	
Land Legal Class:	02RL - Vacant Land / Non-Profit Imp	
Impr. Legal Class:		
Full Cash Value (FCV):	\$321,200.00	% COMPARABLE PROPERTIES
Limited Value (LPV):	\$242,550.00	
Real Property Ratio:		
Assessed FCV:	\$48,180.00	
Assessed LPV:	\$36,383.00	

Attached Personal Property:

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





## Mark F. Taylor, P.E.

# Project Role and Responsibilities: WestLand Resources, Inc., Principal QA/QC

#### **Special Expertise:**

- Large Water System Master Planning
- > Well Design and Permitting
- > Environmental Site Assessments
- > Reservoir Design and Analysis
- > Arsenic Treatment Design
- Water System Modeling and Pipe Network Analysis
- Water Pumping Facility Design and Permitting
- > Sewer Basin Studies
- Potable/Reclaimed Water Main Extensions
- Water and Wastewater Treatment Design
- > Infrastructure Route Studies
- Potable/Reclaimed Water System Planning
- Sewer and Reclaimed Water System Master Planning

#### **Education**:

- M.B.A., University of Arizona
- B.S., Civil Engineering, University of Arizona

#### **Civil Engineering Registration:**

- > Arizona #22999, 1989
- > California #44219, 1989
- Nevada #09281, 1991
- > New Mexico #14546, 1999

#### 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

#### Background:

Mr. Taylor has over 25 years of experience in water resources wastewater engineering, and remediation systems including the design of systems for public works projects, master-planned communities, large commercial and retail centers, and the mining industry. He is responsible for the development of water system master plans; well, reservoir, booster station, and transmission main design; water treatment and arsenic treatment design; and the assessment of rates and development impact fees as well as wastewater master plan preparation, feasibility studies, system modeling and simulation, and capacity analyses; the design of wastewater treatment plants/disposal facilities, sewer infrastructure, lift stations and force mains, septic systems, and wetlands; and permit application, including aquifer protection permits, reclaimed water reuse permits, Arizona Pollutant Discharge Elimination System permits, recharge basin permits, and 208 plan amendments for private and municipal clients.

During the last 12 years, Mr. Taylor has served as Principal-in-Charge for WestLand's multi-disciplinary water and wastewater infrastructure projects, providing project management, design and technical supervision, project scheduling, and budget oversight. His plans and contract documents are technically accurate, buildable, and operationally efficient, leading to few, if any, change orders during construction.

#### Selected project experience includes:

Various Phase I Environmental Site Assessments. Performed and managed multiple Phase I Environmental Site Assessments at various locations in Arizona and acted as principal reviewer for technical reports. Experience includes site reconnaissance and characterization, environmental record sources review, personal interviews, and aerial photograph and topographical map interpretations. Elective sites generally exhibit little evidence of environmental liabilities with some wildcat dumping and numerous housekeeping issues of *de minimis* importance.

Tucson Water Dove Mountain 3.0-MG C-Zone Reservoir and D-Zone and E-Zone Booster Stations; Pima County, Arizona; Cottonwood Properties. As part of Tucson Water's regional planning efforts, Mr. Taylor served as Project Manager for the design of water infrastructure in support of the Dove Mountain development and other properties located at the intersection of Tangerine and Thornydale Roads. Consulting services for the 3.0-MG cast-in-place, hopper-bottom, reinforced-concrete, in-ground reservoir and two onsite

booster stations included project management and coordination; surveying services; geotechnical investigation; corrosion monitoring design; structural engineering; civil engineering, site, and pipeline design; and landscape services. The new reservoir provides floating storage to the Tucson Water C-Zone and forebay storage capacity to both the onsite D- and E-Zone

### Mark F. Taylor, P.E.

booster stations. Civil engineering services included plans, specifications, and construction drawings for the booster station design, booster station piping layout, hydropneumatic tank and air compressor, reservoir piping, and valve vault equipment layout. The project was constructed per Tucson Water standards.

Dove Mountain Reclaimed Water Master Plan; Pima County, Arizona; Cottonwood Properties; 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.

Sahuarita Water Company Arsenic Treatment Design; Sahuarita, Arizona; Sahuarita Water Company. Principal-in-Charge of water system planning and design for the Sahuarita Water Company's centralized arsenic treatment facility and transmission system. WestLand coordinated with Layne Christensen in the preparation of the design drawings for a new 2,000-gpm Layne Christensen Adsorption Arsenic Treatment facility, providing specifications for the facility, electrical and instrumentation systems, and piping layout and sizing. Deliverables included a treatment system option evaluation, design report, an opinion of probable construction cost, and final plans and specifications. The facility was designed to be expandable for future needs. WestLand also provided construction bidding services for this project.

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

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

Northwest CAP Delivery System Preliminary Route Evaluation and Analysis; Northwestern Pima County; Northwest Water Providers. For over a decade, the Flowing Wells Irrigation District, Metropolitan Domestic Water Improvement District, Town of Marana, and Town of Oro Valley have worked collaboratively to develop a sustainable water supply for their customers. This effort has evolved over time to focus on the establishment of a water delivery system to deliver Central Arizona Project water to northwestern Pima County. As part of this effort, Mr. Taylor served as Principal-in-Charge of the

### Mark F. Taylor, P.E.

development of a route analysis for the delivery system that would allow for the direct use of CAP water by each partner. The project consisted of three planning/engineering tasks: Task 1 – preliminary route evaluation, screening, and route evaluation matrix preparation; Task 2 – technical evaluation of alternative routes; and Task 3 – final route evaluation. Five potentially feasible routes were reviewed during the preliminary evaluation and screening process, two of which were identified for more detailed study.

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

Oak Creek Water Company No. 1 Water System Master Plan; Sedona, Arizona; Oak Creek Water Company No. 1. Principal-in-Charge of the development of a master plan to address existing system deficiencies and future infrastructure requirements in support of a hook-up fee application with the Arizona Corporation Commission. As part of the preparation of the master plan, WestLand examined water source capacity and quality requirements, storage requirements, pressure requirements, fire flow requirements, water main requirements, land and easement requirements, and required system upgrades to serve proposed future development. WestLand prepared a master plan report and engineer's opinion of probable construction cost.

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



### Diana Shiel Sandoval, MA

#### Project Role and Responsibilities: Environmental Planner/Project Manager

#### **Special Expertise:**

- National Environmental Policy Act, Administrative Record
- Phase I and II Environmental Site Assessments, Preliminary Initial Site Assessments
- Clean Water Act
- Endangered Species Act
- > Public Disclosure/Public Reports

#### **Education/Training:**

- MA, Land Use & Community Planning, with distinction, Northern Arizona University
- BSc, Regional Development, Cum Laude, University of Arizona
- ➤ ASTM Phase I and Phase II Environmental Site Assessments for Commercial Real Estate Workshop
- National Environmental Policy Act Compliance Workshop (EA/EIS)
- Mine Safety and Health Administration Certification
- 90-hour Real Estate Pre-licensing

#### **Professional Affiliations:**

- American Planning Association
- ➤ ASTM Committee E50 on Environmental Assessment, Risk Management and Corrective Action
- International Right of Way Association

#### Background:

Ms. Sandoval's experience with environmental law began in her coursework studies including Natural Resources History and Policy, Water Resources Policy and Law, Land Development Processes, and Field Studies in Environmental Geography. Prior to joining Westland, Ms. Sandoval gained experience working as an intern for the Arizona Department of Water Resources and then spent three years with a national homebuilder where she was responsible for assisting in due diligence research and land acquisitions and entitlement for master planned communities in southern Arizona. Since joining WestLand in 2007, she has provided regulatory compliance and permitting services related to land use and transportation planning, renewable energy, mining, and residential and commercial development.

Ms. Sandoval has assisted in the completion of numerous Phase I Environmental Site Assessments (ESAs) for various property types pursuant to ASTM standards E1527-05, E1527-13 and E2247-08. She has also completed Preliminary Initial Site Assessments (PISAs) for public roadway projects prepared in accordance with Arizona Department of Transportation/ Federal Highway Administration requirements and Environmental Assessment and Mitigation Reports (EAMRs). Ms. Sandoval has completed ASTM technical and professional training for Phase I and II ESAs. WestLand's ESA team routinely receives compliments from clients and regulators regarding our professionalism and the consistent quality of our work product. Upon request, ESAs address non-scope items classified as outside the standard practice, including potential asbestos-containing building materials, potential lead-based paint, health and safety concerns, and ecological resources.

Her experience with National Environmental Policy Act (NEPA) process and other federal environmental planning requirements includes resource studies, community development assessment, scoping and public participation, alternatives analyses, and keeping the administrative record. Ms. Sandoval has completed professional training workshops for writing Environmental Impact Statements, Environmental Assessments, and Finding of No Significant Impact documentation.

She has obtained CWA Section 404 and 401 permit authorizations including residential and commercial property development; linear transportation projects for railroad, roadway, and utility extensions; bank stabilization projects; mine expansions; emergency discharges; and hazardous and toxic waste cleanup. She has completed jurisdictional delineations (JDs), and secured regional general permits (RGPs), nationwide permits (NWPs), and individual permits (IPs) from the U.S. Army Corps of Engineers.

Ms. Sandoval has assisted developers in meeting the requirements pertaining to City of Tucson environmental resource policies including floodplain, W.A.S.H. and E.R.Z. standards. She has worked with the City of Tucson Office of Conservation and Sustainable Development and managed the process for obtaining development standard modification requests, overlay zoning, and Stormwater Advisory Committee approvals.

She has provided environmental support for special zoning, including Conditional Use Permits for solar developments in Pima County inclusive of coordination with local environmental groups and the preparation of biological impact analyses, species surveys, and mitigation reports for impacts to protected species and habitat.

### Diana Shiel Sandoval, MA

#### **Selected Experience:**

- Prepared numerous Phase I ESA reports for the Pima County Department of Environmental Quality also considering non-scope items, classified as outside the standard practice including: potential asbestos-containing building materials, potential lead-based paint, health and safety concerns, high-voltage power lines, and ecological resources.
- Completed several PISAs in anticipation of ADOT funding including the Town of Marana's project to improve Tangerine Road between Interstate-10 and La Canada, a project crossing into multiple jurisdictions including Pima County and the Town of Oro Valley; and the Town of Sahuarita's project replacing the Pima Mine Road bridge crossing over the Santa Cruz River.
- Completed Phase I Environmental Site Assessment and provided housekeeping recommendations including Spill Prevention,
   Control and Countermeasure (SPCC) Plan for confidential car-dealership and auto body repair shop in Tucson, Arizona.
- Managed environmental regulatory compliance for Tucson Electric Power transmission line project which will run approximately 41 linear miles in Pinal County (Pinal Central Substation to the Tortolita Substation). Assisted Tucson Electric Power in addressing National Environmental Policy Act, National Historic Preservation Act, Clean Water Act, Endangered Species Act, 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 (ASLD), federally owned lands managed by the Bureau of Reclamation (BOR) and the San Carlos Irrigation Project (SCIP), an agency of the Bureau of Indian Affairs (BIA). Ms. Shiel obtained an Approved Jurisdictional Determination from Army Corps of Engineers regarding the absence of jurisdictional waters for the project, documented that project was not likely to not adversely impact federally protected species, coordinated with Arizona Game and Fish Department to conduct surveys for candidate species in anticipation of potential federal listing, addressed plant salvage considerations for protected native species including vegetation clearing projections, and addressed state and federal archeological clearance requirements.
- Conducted special status species evaluation for confidential mining client encompassing approximately 100,000 acres (156 square miles) in Pima County. This evaluation considered species listed by the U.S. Fish and Wildlife Service under the Endangered Species Act and approximately 100 other species with potential to be listed in the future including species listed as Sensitive by the Bureau of Land Management (BLM), State of Arizona Species of Special Concern, Priority Vulnerable Species identified in the Sonoran Desert Conservation Plan website, and species identified by the International Union for Conservation of Nature and Natural Resources (IUCN) on the Red List of Threatened Species.
- Acted as Federal Emergency Management Agency's (FEMA) agent to consult with US Fish and Wildlife Service regarding
  potential impacts to lesser long-nosed bat for private development which needed a conditional letter of map revision (CLOMAR).
   Prepared biological evaluation, addressed US Fish and Wildlife Service comments, and managed federal agency's review of
  applicable records to obtain required clearances within the project's required development schedule.
- Acted as third party contractor to the Tonto National Forest maintaining the Resolution Pre-feasibility Activities Plan of Operations
  project file and prepared the administrative record. Managed Microsoft Access databases and indices of all project files;
  coordinated closely with interdisciplinary team to collect appropriate documentation for project decisions; identified records for
  redaction; and assisted in providing timely public comment and Freedom of Information Act (FOIA) responses.
- Assisted in obtaining Individual Section 404 permit authorization for Pima County Regional Flood Control District's bank stabilization project along the Pantano Wash between Speedway Boulevard and Tanque Verde Road. Work included preparation of the 404 and 401 applications, draft public notice, and 404(b)(1) Alternatives Analysis.
- Conducted riparian habitat assessment and completion of the Environmental Resource Report (ERR) for the El Rio Health Center
  Development in Tucson. The El Rio Health Center Development occurs along a W.A.S.H. designated watercourse. Ms. Shiel
  secured Development Services environmental policy approvals in compliance with Development Services Department (DSD) Full
  Notice Procedure (Chapter 23A-50 and 51) which required public coordination, overlay zone approval, and Stormwater Advisory
  Committee (SAC) authorization.
- Prepared Biological Impact Reports for Pima County Office of Sustainability & Conservation, addressed compliance with Maeveen Marie Behan Conservation Land System (MMB-CLS) and Regulated Riparian Habitat by preparing for on and offsite mitigation-conservation plans in collaboration with local, state, and federal agencies.



## Christopher E. Rife

### Project Role and Responsibilities: Senior Project Manager

#### **Special Expertise:**

- > Mining
- Water Resources
- > Solid and Hazardous Wastes
- > Environmental Site Assessments
- Manufacturing
- Oil and Gas
- > Power
- Health and Safety

#### **Education:**

- M.A., Environmental Policy and Management, University of Denver, Colorado, 1995
- B.A., Philosophy, Humboldt State University, California, 1980

#### Affiliations:

- > Environmental Auditing Roundtable
- Southern Arizona Environmental Management Society
- Society of Mining Engineers, Tucson Chapter

#### Background:

Mr. Rife is a Senior Project Manager in the Environmental Services Group. He specializes in regulatory compliance for environmental and engineering projects. Other areas of his expertise include water resources, mining, agriculture, environmental site assessment (ESA), underground storage tank (UST) investigations, solid and hazardous waste, and health and safety audit services. He has over 20 years of experience conducting ESAs and has been responsible for ESA projects for more than 350 broad-ranging sites, including public, private, and industrial properties; solid waste facilities; mines; and he has conducted pilot-scale testing of remedial systems. He has worked on environmental projects in the western United States and Mexico.

#### Selected Project Experience:

Confidential Site, Arizona. Conducted Phase I ESA of 3,500-acre site along a river bed in central Arizona. The work was conducted on behalf of a mining client in anticipation of a potential land exchange with federal agencies. The site included significant stands of undisturbed mesquite bosque and mesoriparian plants, with little evidence of environmental liabilities from limited agricultural activities historically performed on part of the property. Some wildcat dumping and numerous abandoned automobiles were observed; these were considered housekeeping issues of *de minimis* importance.

Confidential Residential Development Site; Tucson, Arizona. Managed biological assessment of 17-acre site southeast of the Tucson metropolitan

area. Previous consultants had not advised the developer of permitting and biological assessment regulatory requirements, resulting in violations of the federal Clean Water Act (CWA) and Endangered Species Act, as well as the Pima County Native Plant Preservation Ordinance. WestLand is currently completing the biological assessment and will assist the client in negotiating with regulatory agencies, especially in ESA Section 7 consultation.

Road Improvement and Park Development Site; Marana, Arizona. Task manager for CWA Section 404 permitting of road widening, drainage improvement, riverbank stabilization, and district park development for a community northwest of Tucson. Conducted a CWA Nationwide Permit applicability assessment and is currently performing an alternatives analysis. Future work will include public notification and preparation of the environmental assessment.

**Prospective Municipal Solid Waste Landfill Site**; **Arizona**. Project Manager for site investigation of a location in central Arizona for potential development as a municipal solid waste facility. The project included an engineering suitability evaluation, jurisdictional delineation of waters of the United States, and a biological evaluation of special-status species.

Silverbell UST/Leaking UST Site; Marana, Arizona. Managed closure project at site with 11 USTs. Three leaking USTs were identified during the tank removal activities. Appropriate reports were submitted to ADEQ and scoping of site characterization activities for the leaking UST sites was performed.

Confidential Hazardous Waste Site; United States. Principal internal reviewer of Phase I ESA reports for 60 hazardous waste collection sites, transfer facilities, incinerators, and landfills on behalf of client bidding to purchase portfolio. 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.



### Sarah M. Richman

### Project Role and Responsibilities: Environmental Specialist

### Training and Special Expertise:

- Environmental Planning and Assessment
- Mine Safety and Health Administration Certifications
- Regulatory and Planning Research

#### **Education:**

- B.A., Environmental Studies and Business Economics, University of California, Santa Barbara
- Master of Environmental Science and Management (MESM), University of California, Santa Barbara

#### Background:

Ms. Richman holds a Master of Environmental Science and Management specializing in pollution prevention and remediation and corporate management from the University of California, Santa Barbara. Ms. Richman's environmental consulting expertise includes permitting, technical studies, and environmental analyses for both private and public land development projects. During her tenure at WestLand Resources, Inc., (WestLand), Ms. Richman has worked on permitting for exploration drilling projects, biological resource reports, and Phase I Environmental Site Assessments (ESAs). She is proficient in project and task management and effectively communicates science and policy to a broad range of audiences.

She has assisted in the completion of several Phase I ESAs for various property types pursuant to E1527-13 and E2247-08. She has also assisted in the completion of Preliminary Initial Site Assessments (PISAs) for roadway projects. WestLand's ESA team routinely receives compliments from clients and regulators regarding our professionalism and the consistent quality of our work produce. Upon request, ESAs address non-scope items classified as outside the standard practice, including potential asbestos-containing building materials, potential lead-based paint, health and safety concerns, and ecological resources.

Ms. Richman has experience with both National Environmental Policy Act (NEPA) and California Environmental Quality Act (CEQA) processes and documentation. She has completed multiple Health Risk Assessments (HRAs) to analyze impacts of mobile and stationary sources of pollution on sensitive human populations. She has also completed technical studies, scoping and public participation, and noticing for multiple projects.

#### Past Experience:

- Coordination and support provided for confidential mine client including permitting support, biological resource documentation, and field coordination.
- Worked on the team completing the air quality and greenhouse gas emissions analysis for one segment of the California High Speed Rail CEQA/NEPA documentation.
- Provided project management and support services for noise, aesthetics, and air quality studies, as well as the Initial Study
  for commercial and residential development at a proposed Specific Plan site in Southern California.
- Completed multiple EAs for the City of Mesa's projects developing parks and low-income housing.
- Coordinated noticing, including newspaper publication, for multiple projects throughout California.
- Participated in numerous courses focused on remediation of pollution in the environment while earning Master's degree.