

**PHASE I
ENVIRONMENTAL SITE ASSESSMENT**

**NON-FEDERAL PARCEL - DRIPPING SPRINGS
GILA COUNTY, ARIZONA**

Prepared for:

RESOLUTION COPPER MINING LLC
Attn: Ms. Casey McKeon
102 Magma Heights
Superior, Arizona 85173-2523

Prepared by:


WestLand Resources, Inc.
Engineering and Environmental Consultants
4001 East Paradise Falls Drive
Tucson, Arizona 85712



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EXECUTIVE SUMMARY

WestLand Resources, Inc. (WestLand) was retained by Resolution Copper Mining LLC (the “User”), to perform a Phase I Environmental Site Assessment (ESA) for Dripping Springs, a property comprised of approximately 160 acres located in Sections 7 and 8 of Township 4 South, Range 15 East, Gila and Pinal Counties, Arizona (hereby referred to as “the Property”) (**Figure 1**). The Property is a private in-holding within the Bureau of Land Management lands, located along the Dripping Spring Mountains, north of the town of Hayden. The Gila County Assessor Parcel Numbers (APNs) for the Property are 101-01-005 and 101-01-006. 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**.

This Phase I ESA has been completed in accordance with the U.S. Environmental Protection Agency’s Standards and Practices for All Appropriate Inquiries (40 CFR Part 312); scope limitations of the American Society for Testing 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 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

The Property is within the territory encompassing the Pinal Highlands, and was the focus of prospecting, mining, and settlement during the historic period. WestLand reviewed topographic and aerial maps to identify developed features mapped at the Property. None of these maps show any homesites, mines, or other features within the Property or the surrounding area. According to the Arizona State Museum’s online database AZSITE, no previous archaeological survey or site records are available for the Property or immediate vicinity.

The Property and surrounding area are generally characterized as undeveloped open space. On May 7, 2015, WestLand environmental specialists performed a field reconnaissance to assess existing environmental conditions for the Property. Photographs documenting pertinent features are provided in **Appendix A**. Past use of the Property appears to have been limited to small-scale mine exploration (**photos 1-4**), limited hunting/recreational shooting (a single shotgun shell was observed; **photo 6**) and possibly hiking. Rock cairns, likely indicating monuments for survey were also observed at several locations of the Property, see **photo 7**. There is no road providing vehicular access to the Property. Adjoining land use appears to be similar to the Property and may additionally include cattle grazing. Adjoining lands are managed by U.S. Bureau of Land Management (BLM) and the State of Arizona.

None of the past or present land uses for the Property likely indicate a REC for the Property. It is possible additional adits are present at the Property beyond the two observed during the field reconnaissance. The extent of the two adits, including any vertical components, is unknown. The locations of the adits

observed during the field reconnaissance are provided as **Figure 2**. There is some potential for such historic mine features to produce acid mine drainage or impact groundwater, if water accumulates in mineralized rock or waste rock. However, there was no discoloration or distressed vegetation noted around existing surface mining features, and accumulation of water in underground mining features is speculative. While historic mining features provide some potential for impacts to surface or groundwater by contact with mineralized rock, acid mine drainage is not known to be present at the parcel and is not considered likely.

On May 12, 2015 WestLand engaged Environmental Record Search (ERS), to conduct a search of available land title records for environmental liens and activity and use limitations (AULs) on the Property on behalf of the User. A search for environmental liens and AULs was completed for each assessor parcel (Gila County Nos. 101-01-005 and 101-01-006); no records of environmental liens or AULs associated with the Property were identified. The current Warranty Deed for the Property was executed January 2007 and recorded in February 2007, conveying ownership to Swift Current Land & Cattle LLC, an Arizona limited liability company (a subsidiary of Resolution Copper Mining LLC) from Dripping Springs Ranch, LLC.

WestLand contracted ERS to conduct an electronic search of regulatory agency databases for references to the Property and surrounding lands. The database search (Rec Check Area Report Results) was conducted on April 9, 2015, and included standard and additional federal, tribal, state, local, and supplemental database records, as well as ERS proprietary database records that potentially indicate a recognized environmental condition. The regulatory agency databases were queried by conducting a search from the boundaries of the Property to the minimum search distance recommended by the ASTM standard. There were no records identified at the Property. One record was identified within the searched around the Property: a registered well site is noted immediately north of the Property. The well was drilled in 1983 at a depth of 82 feet and is registered to Janet A. Baron; however, there is no indication this well is associated with water treatment or disposal.

WestLand conducted a written interview with Sterling Hundley who completed the User questionnaire and a project-specific owner questionnaire. Mr. Hundley indicated that to his knowledge, the Property has been vacant and, not used for development. He is not aware of any information potentially pointing to a REC for the Property.

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

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 RECs in connection with the Property.

1. INTRODUCTION

WestLand Resources, Inc. (WestLand) was retained by Resolution Copper Mining LLC, (the “User”), to perform a Phase I Environmental Site Assessment (ESA) for Dripping Springs, a property comprised of approximately 160 acres located in Sections 7 and 8 of Township 4 South, Range 15 East, Gila and Pinal Counties, Arizona (hereby referred to as “the Property”) (**Figure 1**). The Property is a private in-holding within the Bureau of Land Management lands, located along the Dripping Spring Mountains north of the town of Hayden. The Gila County Assessor Parcel Numbers (APNs) for the Property are 101-01-005 and 101-01-006.

1.1. PURPOSE

The purpose of this investigation was to conduct an assessment of the Property and surrounding areas to identify the presence or potential presence of recognized environmental conditions (RECs) potentially resulting in environmental impacts to the Property. According to the American Society for Testing Materials (ASTM) E 2247-08 guidelines, a REC is defined as: *...the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products 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 RECs.

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. In order to qualify for one of the Landowner Liability Protections, the report User must provide certain information to the environmental professional conducting the ESA. This information can be provided by completing the User Questionnaire. Failure to provide this information could result in a determination that the All Appropriate Inquiry is not complete. Additionally, the Property owner has continuing obligations, if applicable, to receive liability protections in addition to the All Appropriate Inquiry. The continuing obligations include: 1) compliance with land use restrictions; 2) not impeding the effectiveness or integrity of institutional controls; 3) taking reasonable steps to prevent releases; 4) providing assistance and access to the U.S. Environmental Protection Agency (EPA), state, or other parties conducting response or restoration actions; 5) complying with CERCLA information requests and subpoenas; and 6) providing legally required notices.

1.2. SCOPE OF SERVICES

This ESA has been completed in accordance with the guidelines provided in the ASTM *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Property* (ASTM E 2247-08). This standard satisfies the requirements of the EPA *All Appropriate Inquiry* provisions, which became effective November 1, 2006 (40 CFR Part 312). This protocol requires the review of readily available environmental records, historical and current land use, interviews with persons knowledgeable about the Property, and a 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. ASTM E 2247-08 Section 6 (User Responsibilities) describes tasks that will help identify the possibility of RECs in connection with the Property that do not require the expertise of an environmental professional, including checking title records for environmental liens and activity and use limitations (AULs). WestLand commissioned a title search for environmental liens and AULs on the User's behalf.

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

1.3. LIMITATIONS AND EXCEPTIONS

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

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

1.6. 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

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*.

2.1. LOCATION AND LEGAL DESCRIPTION

The Property is situated within the Dripping Spring Mountains, north of Hayden, Arizona. Specifically, the Property is located in the north half of the southeast quarter of Section 7 and north half of the southwest quarter of Section 8, Township 4 South, Range 15 East of the Gila and Salt River Base and Meridian, Gila County, State of Arizona (*Figure 1*). The Gila County Assessor Parcel Numbers (APNs) for the Property are 101-01-005 and 101-01-006.

2.2. SITE AND VICINITY GENERAL CHARACTERISTICS

The Property is located in the rugged uplands northeast of the Gila River. Notable peaks in the vicinity include Steamboat Mountain (rising to 3,373 ft [1,028 m] amsl) immediately west of the Property and Tam O'Shanter Peak (rising to 4,633 ft [1,412 m] amsl) southeast of the Property. The Property is characterized by rugged terrain with considerable vertical relief, composed largely of exposed rock faces, boulders of various sizes, rocky slopes, and generally poor or little soil development.

2.3. CURRENT USE OF THE PROPERTY

The Property is generally characterized as undeveloped open space. Use appears to be limited to infrequent recreational use, including hunting and hiking. There is no road access to the Property; access for the field reconnaissance was limited to targeted pedestrian survey.

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

Because 100 percent pedestrian survey coverage of the Property was not considered reasonable or necessary, WestLand reviewed available information including aerial photography and USGS topographic maps to determine an estimate of the amount, and type of human disturbance present within the Property. Results of this review, as well as observations made during the field reconnaissance, indicate the presence of two mine adits located near the center of the Property.

2.5. CURRENT USES OF ADJOINING PROPERTIES

Land use in all directions is characterized by open space, and uses for the Property are similar to the surrounding lands. Adjoining land use may also include cattle grazing.

3. USER-PROVIDED INFORMATION

The report User is Resolution Copper Mining LLC. The land owner is Swift Current Land & Cattle LLC, a subsidiary of Resolution Copper Company LLC, who provided relevant information about the Property. The User and land owner representative contact is Mr. Sterling Hundley. A copy of the User Questionnaire is provided as *Appendix B*.

3.1. TITLE RECORDS

WestLand was provided the Warranty Deed for the Property that accompanied the search of available land title records for environmental liens and AULs on the Property (Gila County APNs 101-01-005 and 101-01-006). The Warranty Deed was executed January 2007 and recorded in February 2007, conveying ownership to Swift Current Land & Cattle LLC, an Arizona limited liability company (a subsidiary of Resolution Copper Mining LLC) from Dripping Springs Ranch, LLC, an Arizona limited liability company. The deed is included with *Appendix C*.

3.2. ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS

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

WestLand engaged Environmental Record Search (ERS), to conduct a search of available land title records for environmental liens and AULs on the Property on behalf of the User. A search for environmental liens and AULs was completed for each parcel on May 12, 2015; no records of environmental liens or AULs associated with the Property were identified (*Appendix C*). Copies for the deeds associated with the Property are included in the environmental lien and AULs report.

3.3. SPECIALIZED KNOWLEDGE

The User provided no information regarding specialized knowledge regarding the Property. Livestock grazing is known to occur on adjoining properties. Adjoining properties are managed by the State of Arizona and BLM.

3.4. COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

No commonly known or reasonably ascertainable information relevant to potential RECs was provided by the User.

3.5. VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

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

3.6. REASON FOR PERFORMING PHASE I

The Phase I is being performed to support a land exchange property transaction.

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 ERS to conduct an electronic search of regulatory agency databases for references to the Property and surrounding lands. The database search (Rec Check Area Report Results) was conducted on April 9, 2015, and included standard and additional federal, tribal, state, local, and supplemental database records, as well as ERS proprietary database records. The regulatory agency databases were queried by conducting a search from the boundaries of the Property to the minimum search distance recommended by the ASTM standard. A copy of the ERS environmental reports that describes the databases searched, search distances, record details for the search results, and the dates the databases were last updated is provided in *Appendix D*.

There were no records identified at the Property but one record was identified within the searched area around the Property. A registered well site is noted immediately north of the Property. The well was drilled in 1983 at a depth of 82 feet and is registered to Janet A. Baron. There is no indication this well is associated with water treatment or disposal.

4.2. PRIOR ENVIRONMENTAL REPORTS

Prior Phase I ESAs are not available 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.

4.3.1. Topography

The Property is located in the Dripping Spring Mountains, north of Hayden, Arizona. Elevations range from 3,480 to 4,360 ft (1,061 to 1,329 m) amsl within the Property boundaries. Regionally, the Dripping Springs parcel is within the Basin and Range physiographic province. The province is characterized by elongated mountain ranges trending northwest-southeast, separated by broad alluvial valleys. It is within the Dripping Spring Wash Basin that is bounded on the west by the Dripping Spring Mountains and on the northeast by the Pinal and Mescal mountains (USGS 1955, ADWR 2014). The basin covers approximately 378 mi² (979 km²) (ADWR 2014). The Dripping Spring Wash Basin is drained by Dripping Spring Wash, a tributary of the Gila River, located in the valley below to the south of the parcel.

The elevation range within the Dripping Spring Wash Basin is 1,900 ft (579 m) to 5,515 ft (1,681 m) (ADWR 2014).

4.3.2. Soils

Soil data provided by the National Cooperative Soil Survey through Web Soil Survey (Soil Survey Staff 2015) indicate that the Dripping Springs parcel is located within three soil complexes. The soil complexes are generally well drained and occur on mountains and fan terraces.

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

The Stagecoach Delnorte complex comprises approximately eight percent of the parcel and consists of well-drained soils on fan terraces. The complex is approximately 55 percent Stagecoach soils and 35 percent Delnorte soils. The Stagecoach series consists of very deep, well-drained soils formed in mixed alluvium with slopes of 0 to 60 percent. Permeability is moderately rapid. The Delnorte series consists of soils that are very shallow and shallow to a petrocalcic horizon. They are well-drained soils that are moderately rapidly permeable above and below a very slowly permeable petrocalcic horizon. They formed in calcareous loamy materials containing igneous gravel. These soils are on nearly level hilly uplands, fan piedmonts, and fan remnants. Slope ranges from 0 to 30 percent. Permeability is moderately rapid above and below the very slowly permeable petrocalcic horizon (Soil Survey Staff 2015).

The Holguin Rock Outcrop complex comprises less than one percent of the Dripping Springs parcel. The Holguin series consists of very shallow and shallow, well-drained, low to moderately low permeability soils formed on mountains. Rock outcrop comprises 35 percent of this soil complex (Soil Survey Staff 2015).

4.3.3. Geology

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

4.3.4. Hydrology

There appears to be no perennial or intermittent surface water features within the Property, based on review of recent aerial photography and topographic mapping and the field reconnaissance. Several minor ephemeral headwater drainage features that are tributaries to the Gila River occur at the Property. The National Wetlands Inventory (NWI) map identifies no wetlands within the parcel (USFWS 2015).

The Property has been mapped by the Federal Emergency Management Agency (FEMA) on Flood Insurance Rate Map (FIRM) panel nos. 04007C2550D and 04021C1000E, effective December 4, 2007. The majority of the Property is mapped as Zone D, denoting areas where FEMA has not conducted flood hazard analysis and the potential flood hazard has not been determined. A small area in the extreme southwestern portion of the parcel is mapped as Zone X, denoting areas of minimal flood hazards.

4.3.5. Hydrogeology

The Property is located within the Mammoth sub-basin of the Lower San Pedro groundwater basin. In this basin near the Property, the groundwater flow direction is from the mountains south toward the valley floor of the Gila River, and then north. The aquifer in the Mammoth sub-basin is made up of four water-bearing units: the floodplain aquifer, unconfined basin-fill, confined basin-fill, and the fractured and faulted portions of hard rock. The most productive of these is the floodplain aquifer, which parallels the major waterways and is composed of gravel, sand, silt, and clay. The primary recharge in the area occurs from mountain front recharge and streambed infiltration (ADEQ 2002).

The ADWR well registry database contains data for two wells within a 1-mi (1.6-km) radius of the parcel (ADWR 2015). These referenced wells lie within the same elevation range as the Property (3,480 – 4,360 ft [1,061 – 1,329 m]). The nearest reference well is located just north of the Property boundary at an elevation of roughly 3,860 ft (1,176 m), and is drilled to a depth of 82 ft (25 m) (ADWR 2015). This record corresponds to the ERS report for a well immediately north of the Property. The second ADWR reference well is located east of the parcel near the 1-mi (1.6-km) buffer boundary at an elevation of roughly 4,230 ft (1,289 m), and is drilled to a depth of 3 ft (0.9 m) (ADWR 2015). The water level trends in these wells show that the groundwater is relatively shallow below the ground surface.

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.

The Property is within the territory encompassing the Pinal Highlands, the focus of prospecting, mining, and settlement during the historic period. According to the Arizona State Museum's online database AZSITE, no previous archaeological survey or site records are available for the Property or immediate

vicinity. WestLand reviewed topographic and aerial maps to identify developed features mapped at the Property. None of these maps show any homesites, mines, or other features within the Property or the surrounding area.

4.4.1. Historical Topographic Maps

WestLand reviewed USGS topographic maps of the Property and its vicinity dated 1939, 1964, and 2014 (*Appendix E*). USGS topographic map coverage for the Property is provided on the Hayden and Ray quadrangle maps. 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 1939 quadrangle map depicts natural features including mountains, canyons, drainages and streams at and surrounding the Property. There are no developed features identified at the Property on this map. Steamboat Mountain and Tom O' Shanter Peak are identified west and east of the Property, respectively. Springs are depicted north and west of the Property. Developed features on surrounding lands include roadways and water troughs more than a mile from the Property boundary.

The 1964 quadrangle map depicts the Property in the same condition as the previous map. Additional map coverage of the surrounding area depicts additional springs and roads on land surrounding the Property, wells northeast of the Property, and the San Bernado Jr. Mine and Santa Monica Camp more than two miles east of the Property.

The 2014 quadrangle does not depict any developed features at the Property or on land immediately adjoining the Property. This map names a spring identified on prior maps and shows additional road development along Dripping Spring Wash, northeast of the Property.

4.4.2. Historical Aerial Photographs

WestLand reviewed two historical aerial photographs depicting the Property and vicinity dating from 1953 and 1974 (*Appendix E*). WestLand reviewed the maps for evidence of anthropomorphic disturbance and to identify any historical land uses that might have involved the use, treatment, storage, disposal, or generation of hazardous substances, or petroleum products. WestLand used digital versions of these maps and enlarged selected areas to observe features at and in the near vicinity of the Property.

Both the 1956 and 1974 aerial photographs depict the Property and approximately one mile surrounding the Property in all directions. Neither of these photos indicates development at the Property. There is some land scarring located between 1,000 and 2,000 ft west of the Property on the 1953 map near Steamboat Mountain suspected to be associated with mine exploration or cattle ranching activities.

4.4.3. Property Tax Files

WestLand obtained the property tax maps for the Property and adjoining areas from the Gila County Assessor. The Property map and assessor parcel details are included in *Appendix G*. This map identifies

land surrounding the Property as State of Arizona and BLM land. The approximate Gila and Pinal County line is also depicted along the west boundary of the Property.

WestLand also obtained Gila County Property Reports (*Appendix H*) for both assessor parcels comprising the Property (101-01-005 and 101-01-006). Both parcels are owned by the Swift Current Land & Cattle LLC, as conveyed from Dripping Springs Ranch LLC in February 2007. Each parcel is 80 acres and designated for agricultural use and as ranch property with no record of any buildings. The legal description for parcel 101-01-005 includes Block 66/83 and the legal description for 101-01-006 includes reference to Springs Permit, likely named for the previous owner. No prior ownership records are readily available on the assessor's website and prior ownership is expected to be limited to ranch or mine ownership.

4.4.4. Local Street Directories

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

4.4.5. Sanborn Fire Insurance Maps

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

4.4.6. Other Historical Sources

WestLand reviewed data obtained from the US Geological Survey (USGS) Mineral Resource Data System (2014) to obtain general information on the mines in the immediate vicinity of the Property. There are no records for mine sites at the Property in this database. WestLand reviewed records within 1 mile from the boundary of the Property and identified one record: Copper Chief Group, which is recorded as a surface-underground prospect for Tungstun, vanadium, gold, silver and lead (Record 10137888). It is noted, the Mineral Resource Data System states that the exact location of the deposit has not been verified for the USGS record.

5. SITE RECONNAISSANCE

On May 7, 2015, WestLand environmental specialists Mr. David Ward and Ms. Jessica Gilligan performed a field reconnaissance under the direction of Ms. Diana Shiel to assess existing environmental conditions for the Property. Photographs documenting pertinent features are provided in **Appendix A**.

5.1. METHODOLOGY AND LIMITING CONDITIONS

Prior to conducting the site reconnaissance, WestLand reviewed current and historical aerial photographs and topographic maps to identify the location of any suspect areas, including roadways, cleared areas, disturbed soils, and structures. Areas of known concentrated human activity are typically assessed in more detail because these areas presented the greatest potential for impacts by hazardous materials and petroleum products. Any suspect areas must be “ground-truthed” when using remote methods. There were no suspect areas at the Property or on land immediately adjoin the Property identified by the preliminary map review.

There were generally no limitations for access on the Property; however, there are no roads directly to the Property, the Property was accessed by foot. Considering the limited development of the Property and results of the remote aerial photograph review, the field reconnaissance effort was focused to the west half of the Property where pedestrian access was most efficient. WestLand observed portions of the east half of the Property from vantage points near the center portion of the Property. WestLand’s reconnaissance included the Property as well as observations of the adjoining properties from publicly accessible areas.

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 field reconnaissance. A change of those conditions may alter the findings and conclusions of this report.

5.2. INDICATIONS OF PAST USES OF THE PROPERTY

Past use of the Property appears to have been limited to small-scale mine exploration (**photos 1-4**), hunting/recreational shooting (1 shotgun shell observed; **photo 6**) and possibly hiking. Rock cairns, likely indicating monuments for survey were also observed at several locations of the Property, see **photo 7**. There is no indication that hazardous materials or petroleum products have been present at the Property.

5.3. EXTERIOR OBSERVATIONS

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

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

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

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

5.3.3. Storage Tanks (Aboveground and Underground)

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

5.3.4. Unidentified Substance Containers

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

5.3.5. Drums

There were no drums observed at the Property or on adjoining land.

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. Furthermore, no such features were observed in connection with waste disposal or treatment.

5.3.8. Wastewater

No features associated with wastewater storage and disposal were observed during the site reconnaissance.

5.3.9. Septic Systems

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

5.3.10. Wells

No wells were observed at the Property or on adjoining land during the field reconnaissance.

5.3.11. Stained Soil or Pavement

No stained soil or pavement was noted.

5.3.12. Stressed Vegetation

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

5.3.13. Solid Waste Disposal

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

The Property appears to be generally clean of solid waste.

5.3.14. PCB Equipment

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

No potential PCB containing equipment was observed during the field reconnaissance.

5.4. INTERIOR OBSERVATIONS

Not applicable.

6. INTERVIEWS

6.1. INTERVIEWS WITH OWNER

On May 29, 2015, Sterling Hundley completed the User questionnaire and a project-specific owner questionnaire generated by WestLand with site-specific questions. Mr. Hundley indicated that to his knowledge, the Property has been vacant and, not used for development. He is not aware of any information potentially pointing to a REC for the Property. Responses to specific inquiries are included in *Appendix B*.

6.2. INTERVIEWS WITH SITE MANAGER (SITE CONTACTS)

See *Interview with Owner* (above).

6.3. INTERVIEWS WITH OCCUPANTS

Not applicable.

6.4. INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS

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

6.5. 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:

- The Property is within the territory encompassing the Pinal Highlands, the focus of prospecting, mining, and settlement during the historic period. WestLand reviewed topographic and aerial maps to identify developed features mapped at the Property. None of these maps show any homesites, mines, or other features within the Property or the immediate surrounding area. According to the Arizona State Museum's online database AZSITE, no previous archaeological survey or site records are available for the Property or immediate vicinity.
- The Property and surrounding area are generally characterized as undeveloped open space. On May 7, 2015, WestLand environmental specialists performed a field reconnaissance to assess existing environmental conditions for the Property. Photographs documenting pertinent features are provided in *Appendix A*. Past use of the Property appears to have been limited to small-scale mine exploration (*photos 1-4*), limited hunting/recreational shooting (a single shotgun shell was observed; *photo 6*) and possibly hiking. Rock cairns, likely indicating monuments for survey were also observed at several locations of the Property, see *photo 7*. There is no road providing vehicular access to the Property. Adjoining land use appears to be similar to the Property and may additionally include cattle grazing and larger-scale mining operations more than a mile from the Property. Adjoining lands are managed by BLM and the State of Arizona.
- None of the past or present land uses for the Property likely indicate a REC for the Property. It is possible additional adits are present at the Property beyond the two observed during the field reconnaissance. The extent of the two adits, including any vertical components, is unknown. The location of the adits observed during the field reconnaissance is provided at *Figure 2*. There is some potential for such historic mine features to produce acid mine drainage or impact groundwater if water accumulates in mineralized rock or waste rock. However, there was no discoloration or distressed vegetation noted around existing surface mining features, and accumulation of water in underground mining features is speculative. While historic mining features provide some potential for impacts to surface or groundwater by contact with mineralized rock, acid mine drainage is not known to be present at the parcel and is not considered likely.
- On May 12, 2015 WestLand engaged ERS, to conduct a search of available land title records for environmental liens and AULs on the Property on behalf of the User. A search for environmental liens and AULs was completed for each assessor parcel (Gila County Nos. 101-01-005 and 101-01-006); no records of environmental liens or AULs associated with the Property were identified. The current Warranty Deed for the Property was executed January 2007 and recorded in February 2007, conveying ownership to Swift Current Land & Cattle LLC, an Arizona limited

liability company (a subsidiary of Resolution Copper Mining LLC) from Dripping Springs Ranch, LLC.

- WestLand contracted with ERS to conduct an electronic search of regulatory agency databases for references to the Property and surrounding lands. The database search (Rec Check Area Report Results) was conducted on April 9, 2015, and included standard and additional federal, tribal, state, local, and supplemental database records, as well as ERS proprietary database records that potentially indicate a recognized environmental condition. The regulatory agency databases were queried by conducting a search from the boundaries of the Property to the minimum search distance recommended by the ASTM standard. There were no records identified at the Property. One record was identified within the searched around the Property: a registered well site is noted immediately north of the Property. The well was drilled in 1983 at a depth of 82 feet and is registered to Janet A. Baron. However, there is no indication this well is associated with water treatment or disposal.
- WestLand conducted a written interview with Sterling Hundley who completed the User questionnaire and a project-specific owner questionnaire. Mr. Hundley indicated that to his knowledge, the Property has been vacant and, not used for development. He is not aware of any information potentially pointing to a REC for the Property.
- Considering that vehicular access to the Property is not available, and that there are no structures known to have been developed at the Property or on adjoining lands, WestLand did not request records from the local fire department or similar agency that would have responded to emergency releases or maintain fuel tank records for the vicinity.

8. CONCLUSION

WestLand has performed a Phase I ESA in conformance with the scope and limitations of ASTM E 2247-08 for the Property (*Figure 1*). Any exceptions to, or deletions from, this practice are described in Section 9 of this report.

This assessment has revealed no evidence of RECs in connection with the Property.

9. DEVIATIONS

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

Considering that developed use of the Property is limited to small-scale mining and that there is no other documented or suspected use of the Property, WestLand did not conduct a city directory search, Sanborn fire insurance map search, building department record search, or other historic record searches. There were no data failures or limitations potentially affecting conclusions regarding the identification of RECs for the Property (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.

11. 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. David Ward and Jessica Gilligan conducted the site reconnaissance under the direction of Diana Shiel. Ms. Shiel conducted the interviews, regulatory inquiries, and historical research. Mr. Rife reviewed the findings in this report. Their work was conducted under the supervision of the above-named environmental professional. Mr. Taylor reviewed, interpreted, and declared the information included in this report as complete. Résumés for the key individuals participating in the preparation of this report are provided in *Appendix I*.



Mark F. Taylor, P.E.

6/24/15

Date

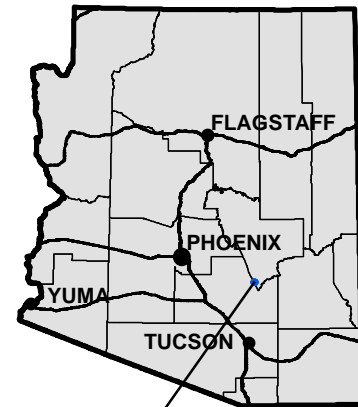
12. REFERENCES

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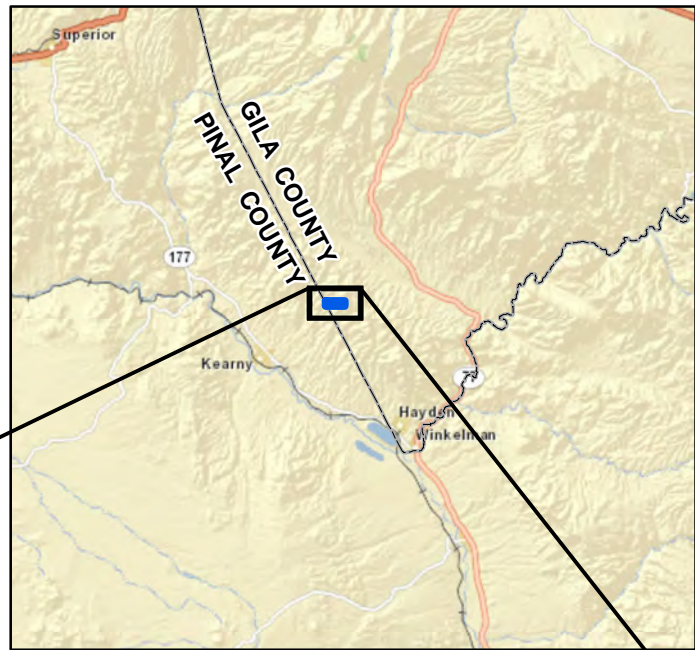
FIGURES

ARIZONA



PROJECT LOCATION

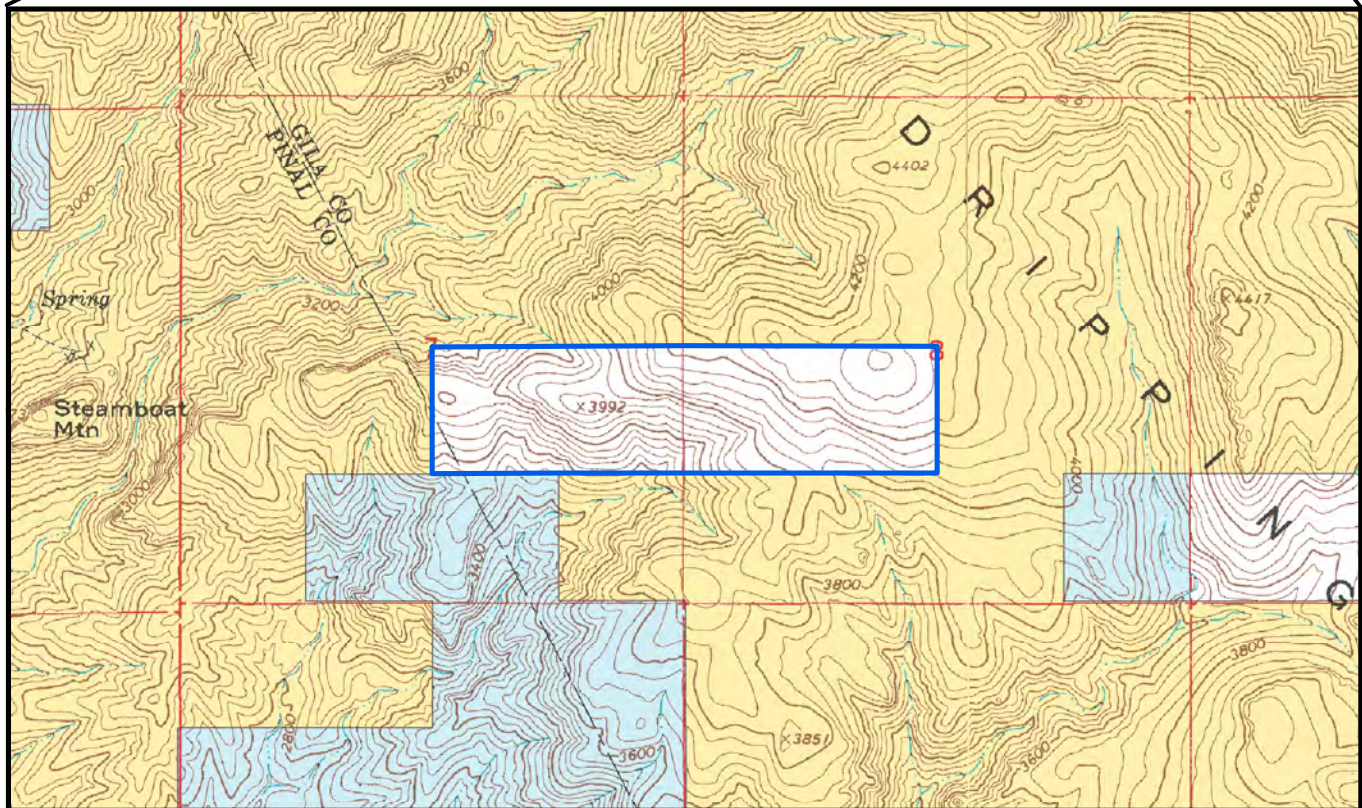
PINAL AND GILA COUNTIES



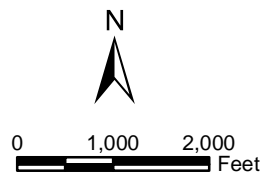
Approximate Scale 1 Inch = 10 Miles

Legend

- Dripping Springs Parcel
- Bureau of Land Management (BLM)
- Other Private Ownership (No Color)
- Arizona State Trust Lands



T4S, R15E, Portion of Sections 7 & 8,
Pinal and Gila Counties, Arizona,
Hayden USGS 7.5' Quadrangle
Data Source: BLM Surface Management 2012



RESOLUTION COPPER

Phase I ESA for Dripping Springs

VICINITY MAP

Figure 1



Legend

- Adit
- Dripping Springs Parcel



0 500 1,000
Feet

APPENDIX A

SITE PHOTOGRAPHS



Photo 1. Mine adit with waste rock, photo taken directly across canyon.



Photo 2. Another view of mine adit in Photo 1 and overview of the Property.



Photo 3. Mine adit opening.



Photo 4. Another view of mine adit in Photo 3.



Photo 5. Overview of Property.



Photo 6. Single shotgun casing observed on ridgetop.



Photo 7. One of several rock cairn, this one is located on top of a rock outcropping.

APPENDIX B

USER QUESTIONNAIRE

PHASE I ENVIRONMENTAL SITE ASSESSMENT
OWNER/ OPERATOR/OCCUPANT QUESTIONNAIRE

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

- (1). Please describe the current uses of the *property*, if known. Vacant land
- (2). Please describe the past/historic use(s) of the *property*, if known. Vacant land never developed
- (3). Name the current and any past owners or occupants of the *property*, if known.
Current: Swift Current Land & Cattle LLC. Past: Dripping Springs Ranch LLC
- (4). Please describe the past and/or current uses of adjoining properties, if known. Grazing
- (5). Are there any above ground storage tanks, underground storage tanks, vent pipes or access ways indicating storage tanks at the *property*?
Yes _____ No ☒ X _____ Unknown _____
- (6). Are there any PCBs (transformers, hydraulic equipment) at the *property*?
Yes _____ No ☒ X _____ Unknown _____
- (7). Have you observed stained soil/pavement, corrosion, or stressed vegetation that may indicate a petroleum or chemical spill or acid mine drainage at the *property*?
Yes _____ No ☒ X _____ Unknown _____
- (8). Have you observed pits, ponds, or lagoons associated with wastewater treatment/disposal at the *property*?
Yes _____ No ☒ X _____ Unknown _____
- (9). Are you aware of any wastewater/stormwater facilities at the *property* (drains, sumps, artificial ditches)?
Yes _____ No ☒ X _____ Unknown _____
- (10). Are you aware of any wells located at the *property* (dry, irrigation, injection, or abandoned)?
Yes _____ No ☒ X _____ Unknown _____
- (11). Are you aware of any septic systems at the *property*?
Yes _____ No ☒ X _____ Unknown _____
- (12). Has the *property* been used for landfill, dump, battery storage, junkyard, or other disposal purposes?
Yes _____ No ☒ X _____ Unknown _____

PROPERTY: Dripping Springs

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

Yes _____ No X Unknown _____


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

Yes _____ No X Unknown _____

NAME: STERLING HUNDLEY

COMPANY: SWIFT CURRENT LAND & CATTLE LLC

PHONE #: (520) 689-3308

SIGNATURE:  DATE: 5/29/15

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? Unknown

(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? Unknown

(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? Livestock Grazing on adjoining properties. Adjoining properties are Arizona State and BLM lands.

(4). Relationship of the purchase price to the fair market value of the *property* if it were not contaminated (40 CFR 312.29).

Does the purchase price/lease being paid for this *property* reasonably reflect the fair market value of the *property*? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*? Yes

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

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

(a.) Do you know the past uses of the *property*? No

(b.) Do you know of specific chemicals that are present or once were present at the *property*? No

(c.) Do you know of spills or other chemical releases that have taken place at the *property*? No

(d.) Do you know of any environmental cleanups that have taken place at the *property*? No

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

As the user of this *ESA*, based on your knowledge and experience related to the *property* are there any obvious indicators that point to the presence or likely presence of contamination at the *property*? Unknown


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

- (a) The reason why the Phase I is required. Land Exchange
- (b) The type of *property* and type of *property* transaction, for example, sale, purchase, exchange, etc.
Land Exchange
- (c) The complete and correct address for the *property* (a map or other documentation showing *property* location and boundaries is helpful). Township 4 South, Range 15 East, section 7 and section 8. Pinal County Parcel numbers 101-01-005 and 101-01-006.
- (d) The scope of services desired for the Phase I (including whether any parties to the *property* transaction may have a required standard scope of services on whether any considerations beyond the requirements of Practice E 1527/2247 are to be considered). Unknown
- (e) Identification of all parties who will rely on the Phase I report. Unknown
- (f) Identification of the site contact and how the contact can be reached. - Are there previous site contacts that should be interviewed? Contact Sterling Hundley, see below.
- (g) Any special terms and conditions which must be agreed upon by the environmental professional. Unknown
- (h) Any other knowledge or experience with the *property* that may be pertinent to the environmental professional (for example, copies of any available prior environmental site assessment reports, documents, correspondence, etc., concerning the *property* and its environmental condition). No

USER NAME & FIRM: STERLING HUNDLEY - SWIFT CURRENT LAND & CATTLE LLC

ADDRESS: 102 MAGMA HEIGHTS, SUPERIOR, AZ 85173

PHONE #: (520) 689-3308

SIGNATURE: 

DATE: 5/29/15

APPENDIX C

**ERS
ENVIRONMENTAL
LIENSEARCH
REPORT WITH
RECORDED DEEDS**

Environmental Lien Research

REPORT RESULTS



Report Results for:

Diana Shiel
Westland Resources
4001 E. Paradise Falls Drive
Tucson, AZ 85712
2104651906 EL
May 12, 2015

Subject Site:

Clients Project #:

Address:

City, State Zip:

APNs: 105-15-005 and 105-15-006

Pinal County, AZ

ERS Order #:

2104651906 EL

Prepared For:

Name:

Company:

Address:

City, State Zip:

Diana Shiel

Westland Resources

4001 E. Paradise Falls Drive

Tucson, AZ 85712

Date:

May 12, 2015



The NETR Environmental Lien Search Report

**DRIPPING SPRINGS
GILA COUNTY, ARIZONA**

Friday, April 10, 2015

Project Number: L15-00796

2055 East Rio Salado Parkway
Tempe, Arizona 85281

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

ENVIRONMENTAL LIEN REPORT

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

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

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

Thank you for your business

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

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ENVIRONMENTAL LIEN REPORT

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

TARGET PROPERTY INFORMATION

ADDRESS

Dripping Springs
Gila County, Arizona

RESEARCH SOURCE

Source: Gila County Assessor
Gila County Recorder

DEED INFORMATION

Type of Instrument: Warranty Deed

Grantor: Dripping Springs Ranch, LLC, an Arizona limited liability company

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

Deed Dated: 01/22/2007
Deed Recorded: 02/05/2007
Instrument: 2007-001723

LEGAL DESCRIPTION

All that certain piece or parcel of land situated and lying in the North Half of the Southeast Quarter of Section 7, Township 4 South, Range 15 East of the Gila and Salt River Base and Meridian, Gila County, State of Arizona

Assessor's Parcel Number(s): 101-01-005

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: Found ☐ Not Found ☒

ENVIRONMENTAL LIEN REPORT

TARGET PROPERTY INFORMATION

ADDRESS

Dripping Springs
Gila County, Arizona

RESEARCH SOURCE

Source: Gila County Assessor
Gila County Recorder

DEED INFORMATION

Type of Instrument: Warranty Deed

Grantor: Dripping Springs Ranch, LLC, an Arizona limited liability company

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

Deed Dated: 01/22/2007
Deed Recorded: 02/05/2007
Instrument: 2007-001723

LEGAL DESCRIPTION

All that certain piece or parcel of land situated and lying in the North Half of the Southwest Quarter of Section 8, Township 4 South, Range 15 East of the Gila and Salt River Base and Meridian, Gila County, State of Arizona

Assessor's Parcel Number(s): 101-01-006

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: Found ☐ Not Found ☒

Gila County, AZ
 Linda Haught Ortega, Recorder
 02/05/2007
 01:48PM
 Doc Code: WD

Doc Id: 2007-001723
 Receipt #: 52640
 Rec Fee: 17.00

PIONEER TITLE AGENCY RECORDING

RECORDING REQUESTED BY
 Lawyers Title Insurance Corporation
 AND WHEN RECORDED MAIL TO:
 SWIFT CURRENT LAND & CATTLE LLC
 2525 E. ARIZONA BILTMORE CIRCL
 # C135
 PHOENIX, AZ 85016



2007-001723

Page: 1 of 3
 02/05/2007 01:48P
 17.00

Gila County, AZ

WD

17.00



ESCROW NO.: 00546557 - 001 - JM1

SPACE ABOVE THIS LINE FOR RECORDER'S USE

Warranty Deed

For the consideration of Ten Dollars, and other valuable considerations, I or we,
DRIPPING SPRINGS RANCH, L.L.C., an Arizona limited liability company
 do/does hereby convey to
SWIFT CURRENT LAND & CATTLE LLC, an Arizona limited liability company
 the following real property situated in Gila County, ARIZONA:

SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF

SUBJECT TO: Current taxes and other assessments, reservations in patents and all easements, rights of way, encumbrances, liens, covenants, conditions, restrictions, obligations, and liabilities as may appear of record.

And I or we do warrant the title against all persons whomsoever, subject to the matters set forth above.

Dated: 1-22, 2007

SELLER:

DRIPPING SPRINGS RANCH, L. L. C.,
 an Arizona limited liability company

C. D. Lunn Lunn

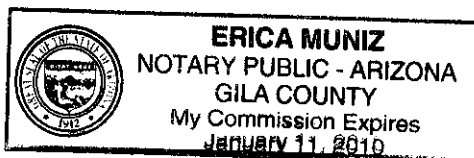
BY: Pres/ Trustee
 Its

State of Arizona
 County of Gila

} SS

This instrument was acknowledged before me this 22
 day of January, 2007

by.



Erica Muniz
 Notary Public

My commission will expire Jan 11, 2010



Gila County, AZ

WD

2007-001723

Page: 2 of 3

02/05/2007 01:48P
17.00

RECORDING REQUESTED BY
Lawyers Title Insurance Corporation
AND WHEN RECORDED MAIL TO:

SWIFT CURRENT LAND & CATTLE LLC
2525 E. ARIZONA BILTMORE CIRCL
C135
PHOENIX, AZ 85016

ESCROW NO.: 00546557 - 001 - JM1

SPACE ABOVE THIS LINE FOR RECORDER'S USE

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Dated: 1-22, 2007

SELLER:

Enlarged for Clarity

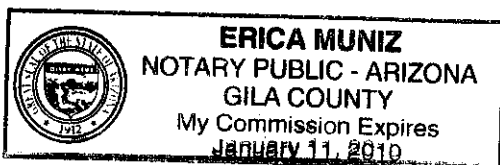
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2007-001723

Page: 3 of 3

02/05/2007 01:48P
17.00

Exhibit A

Parcel No. 1

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

Parcel No. 2

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

APPENDIX D

ERS RECCheck AREA REPORT RESULTS



RecCheck

Area

Report Results

The Standard for ASTM/AAI Radius Searches

(One Mile Environmental Records Search, Exceeds ASTM 1527/1528 and EPA AII Appropriate Inquiry)

REPORT RESULTS



Site Location:

101-01-005 And 101-01-006

Gila County, AZ

(N 33-5-51, W 110-50-37) NAD83

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EXECUTIVE SUMMARY

INFORMATION ON THE REQUESTED LOCATION

Site Address:	101-01-005 And 101-01-006 Gila County, AZ
Client Project Name/Number:	Dripping Springs
Coordinates:	N 33-5-51, W 110-50-37 (NAD 83) 33.0974328085785, -110.843618521654
Date of Report	April 9, 2015
ERS Project Number:	2104651907
Subject Site Listed on the following lists:	Not Listed
Subject Site Listed as Map ID#:	N/A
USGS 7.5 Minute Quad Map:	Hayden
Township, Section and Range:	Township: 04S Range: 15E Section: 008
Site Elevation: (feet above mean sea level)	Approximately 3955 ft near the center of the area.
Flood Zone: (FEMA Q3 Digital Data)	Panel: 04007C2550D, Effective Date: 12/4/2007 Zone D - Areas with possible but undetermined flood hazards. No flood hazard analysis has been conducted. Flood insurance rates are commensurate with the uncertainty of the flood risk.
Fire Insurance Map Coverage:	No
Radon Information:	EPA Radon Zone: 2 (Predicted avg for county: 2 to 4 pCi/L)
Search Radius Expansion Size: (In Miles)	0
Soil Type: (USDA Soil Survey Geographic Database) (SSURGO)	Chiricahua-deloro-leyte soils, 10 to 50 percent slopes Map Unit Type: Undifferentiated group Hydric: No Drainage Class: Well drained General Information: Fine, mixed, superactive, thermic Ustic Haplargids
Zip Codes Searched for "Un-Mappable" Sites:	Not Researched
Occurrence Count:	1

SUMMARY OF OCCURRENCES

MAP ID	ID/SITE NAME	ADDRESS	DATABASE	STATUS	DISTANCE (MILES)	ELEV DIFF (FEET)
1 Maps: 1 , 3	505253 JANET A BARTON		Wells-AZ	Listed	0.06 N	N/A

DATABASE OCCURRENCE SUMMARY

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

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

FEDERAL ASTM/AAI DATABASES							
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
BF-US	0.5	0	0	0	0	-	0
CERCLIS-Archived-US	0.5	0	0	0	0	-	0
CERCLIS-US	0.5	0	0	0	0	-	0
Controls-RCRA-US	0.5	0	0	0	0	-	0
Controls-US	0.5	0	0	0	0	-	0
Debris-US	0.5	0	0	0	0	-	0
Delisted-NPL-US	0.5	0	0	0	0	-	0
ERNS-US	0.25	0	0	0	-	-	0
FTTS-ENF-US	1	0	0	0	0	0	0
Hist-AFS2-US	0.5	0	0	0	0	-	0
Hist-AFS-US	0.5	0	0	0	0	-	0
Hist-Dumps-US	0.5	0	0	0	0	-	0
Hist-US-EC	0.5	0	0	0	0	-	0
Hist-US-IC	0.5	0	0	0	0	-	0
HMIS-US	0.25	0	0	0	-	-	0
LIENS-US	0.5	0	0	0	0	-	0
NPL-US	1	0	0	0	0	0	0
PADS-US	0.5	0	0	0	0	-	0
PCB-US	0.25	0	0	0	-	-	0
RCRA-CESQG-US	0.25	0	0	0	-	-	0
RCRA-COR-US	1	0	0	0	0	0	0
RCRA-LQG-US	0.25	0	0	0	-	-	0
RCRA-NON-US	0.25	0	0	0	-	-	0
RCRA-SQG-US	0.25	0	0	0	-	-	0
RCRA-TSD-US	0.5	0	0	0	0	-	0
SAA-Agreements-US	1	0	0	0	0	0	0
Tribal-Air-US	0.5	0	0	0	0	-	0
Tribal-BF-US	0.5	0	0	0	0	-	0
Tribal-LUST-Closed-Reg9	0.5	0	0	0	0	-	0
Tribal-LUST-Open-Reg9	0.5	0	0	0	0	-	0
Tribal-ODI-US	0.5	0	0	0	0	-	0
Tribal-UST-Reg9	0.25	0	0	0	-	-	0
Tribal-VCP-US	0.5	0	0	0	0	-	0

STATE ASTM/AAI DATABASES

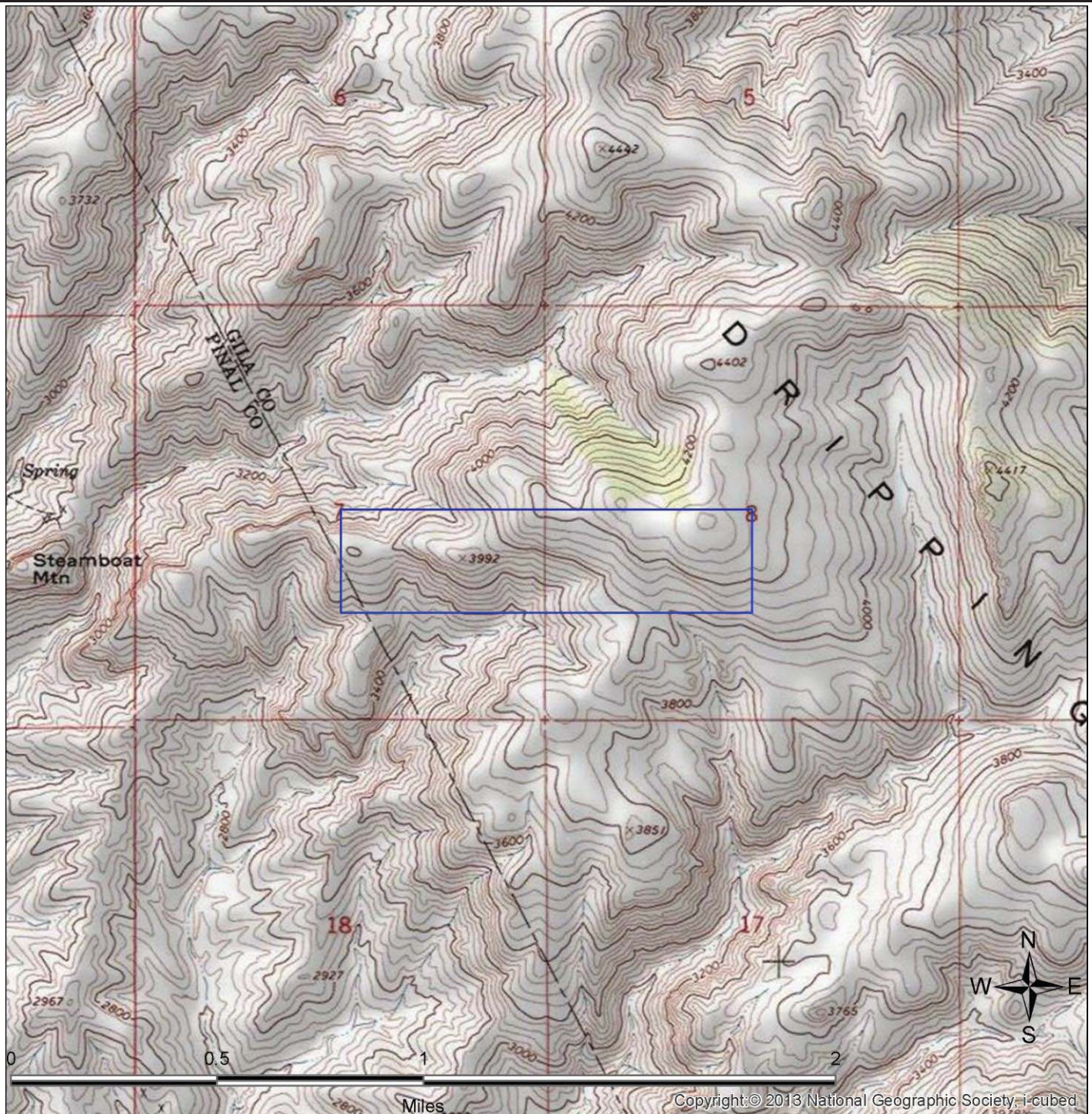
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
Air-AZ	0.5	0	0	0	0	-	0
ALF-AZ	0.5	0	0	0	0	-	0
ASPL-AZ	0.5	0	0	0	0	-	0
AST2-AZ	0.25	0	0	0	-	-	0
AST-AZ	0.25	0	0	0	-	-	0
BF-Closed-AZ	0.5	0	0	0	0	-	0
BF-Open-AZ	0.5	0	0	0	0	-	0
CLF-AZ	0.5	0	0	0	0	-	0
Controls-AZ	0.5	0	0	0	0	-	0
Hist-SPILLS-AZ	0.25	0	0	0	-	-	0
LUST-Closed-AZ	0.5	0	0	0	0	-	0
LUST-Open-AZ	0.5	0	0	0	0	-	0
Manifest2-NY	0.25	0	0	0	-	-	0
Manifest2-RI	0.25	0	0	0	-	-	0
Oil-Centers-AZ	0.5	0	0	0	0	-	0
RemOther-Closed-AZ	0.5	0	0	0	0	-	0
RemOther-Open-AZ	0.5	0	0	0	0	-	0
SS-AZ	0.5	0	0	0	0	-	0
Transfer-AZ	0.5	0	0	0	0	-	0
UST-AZ	0.25	0	0	0	-	-	0
VCP-Closed-AZ	0.5	0	0	0	0	-	0
VCP-Open-AZ	0.5	0	0	0	0	-	0
WQARF-AZ	1	0	0	0	0	0	0

SUPPLEMENTAL DATABASES

DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
BioFuel-US	0.25	0	0	0	-	-	0
CDL-AZ	0.25	0	0	0	-	-	0
CDL-US	0.25	0	0	0	-	-	0
Dams-AZ	0.25	0	0	0	-	-	0
DryCleaners-AZ	0.25	0	0	0	-	-	0
DryWell-AZ	0.25	0	0	0	-	-	0
EGRID-US	0.5	0	0	0	0	-	0
FA-HW-US	0.25	0	0	0	-	-	0
FA-UST-AZ	0.25	0	0	0	-	-	0
FRS-US	0.25	0	0	0	-	-	0
FTTS-INSP-US	0.25	0	0	0	-	-	0
FUDS-US	1	0	0	0	0	0	0
Hist-AZ	0.25	0	0	0	-	-	0
Hist-FIFRA-US	0.25	0	0	0	-	-	0
HIST-MLTS-US	0.25	0	0	0	-	-	0
Hist-US	0.25	0	0	0	-	-	0
ICIS-FEC-US	0.5	0	0	0	0	-	0
ICIS-NPDES-US	0.25	0	0	0	-	-	0
Lead-US	0.25	0	0	0	-	-	0
Mines-AZ	0.25	0	0	0	-	-	0
MINES-US	0.25	0	0	0	-	-	0
MLTS-US	0.25	0	0	0	-	-	0
MRDS-US	0.25	0	0	0	-	-	0
NPDES-AZ	0.25	0	0	0	-	-	0
OGW-AZ	0.25	0	0	0	-	-	0
PCS-US	0.25	0	0	0	-	-	0

SUPPLEMENTAL DATABASES							
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
RADINFO-US	0.5	0	0	0	0	-	0
RFG-Lab-US	0.25	0	0	0	-	-	0
RMP-US	0.25	0	0	0	-	-	0
ROD-US	0.5	0	0	0	0	-	0
SDWIS-US	0.25	0	0	0	-	-	0
SSTS-US	0.25	0	0	0	-	-	0
SWT-AZ	0.25	0	0	0	-	-	0
TRIS2000-US	0.25	0	0	0	-	-	0
TRIS2010-US	0.25	0	0	0	-	-	0
TRIS80-US	0.25	0	0	0	-	-	0
TRIS90-US	0.25	0	0	0	-	-	0
TSCA-US	0.25	0	0	0	-	-	0
UIC-AZ	0.25	0	0	0	-	-	0
USGS-Waterwells-US	0.25	0	0	0	-	-	0
Vapor-Intrusions-US	0.5	0	0	0	0	-	0
Waste-tire-AZ	0.5	0	0	0	0	-	0
Wells-AZ	0.25	0	1	0	-	-	1

PROPRIETARY HISTORIC DATABASES							
DATABASE SEARCHED	DISTANCE SEARCHED	SUBJECT SITE	0.125 MILES	0.25 MILES	0.5 MILES	1.0 MILES	TOTAL
Hist-Agriculture	0.25	0	0	0	-	-	0
Hist-Auto Dealers	0.25	0	0	0	-	-	0
Hist-Auto Repair	0.25	0	0	0	-	-	0
Hist-Chemical Manufacturing	0.25	0	0	0	-	-	0
Hist-Cleaners	0.25	0	0	0	-	-	0
Hist-Machine Shop	0.25	0	0	0	-	-	0
Hist-Manufacturing	0.25	0	0	0	-	-	0
Hist-Metal Plating	0.25	0	0	0	-	-	0
Hist-Mortuaries	0.25	0	0	0	-	-	0
Hist-Paint-Stores	0.25	0	0	0	-	-	0
Hist-Petroleum	0.25	0	0	0	-	-	0
Hist-Printers	0.25	0	0	0	-	-	0
Hist-RV-Dealers	0.25	0	0	0	-	-	0
Hist-Salvage	0.25	0	0	0	-	-	0
Hist-Service Stations	0.25	0	0	0	-	-	0
Hist-Transportation	0.25	0	0	0	-	-	0
Hist-Trucking	0.25	0	0	0	-	-	0
Hist-Vehicle-Parts	0.25	0	0	0	-	-	0



SITE LOCATION TOPOGRAPHIC MAP

U.S. Geological Survey. Hayden Quadrangle, 7.5 Minute Series

Westland Resources

101-01-005 And 101-01-006
Gila County, AZ

FIGURE: 1

JOB:

DATE: 4/9/2015



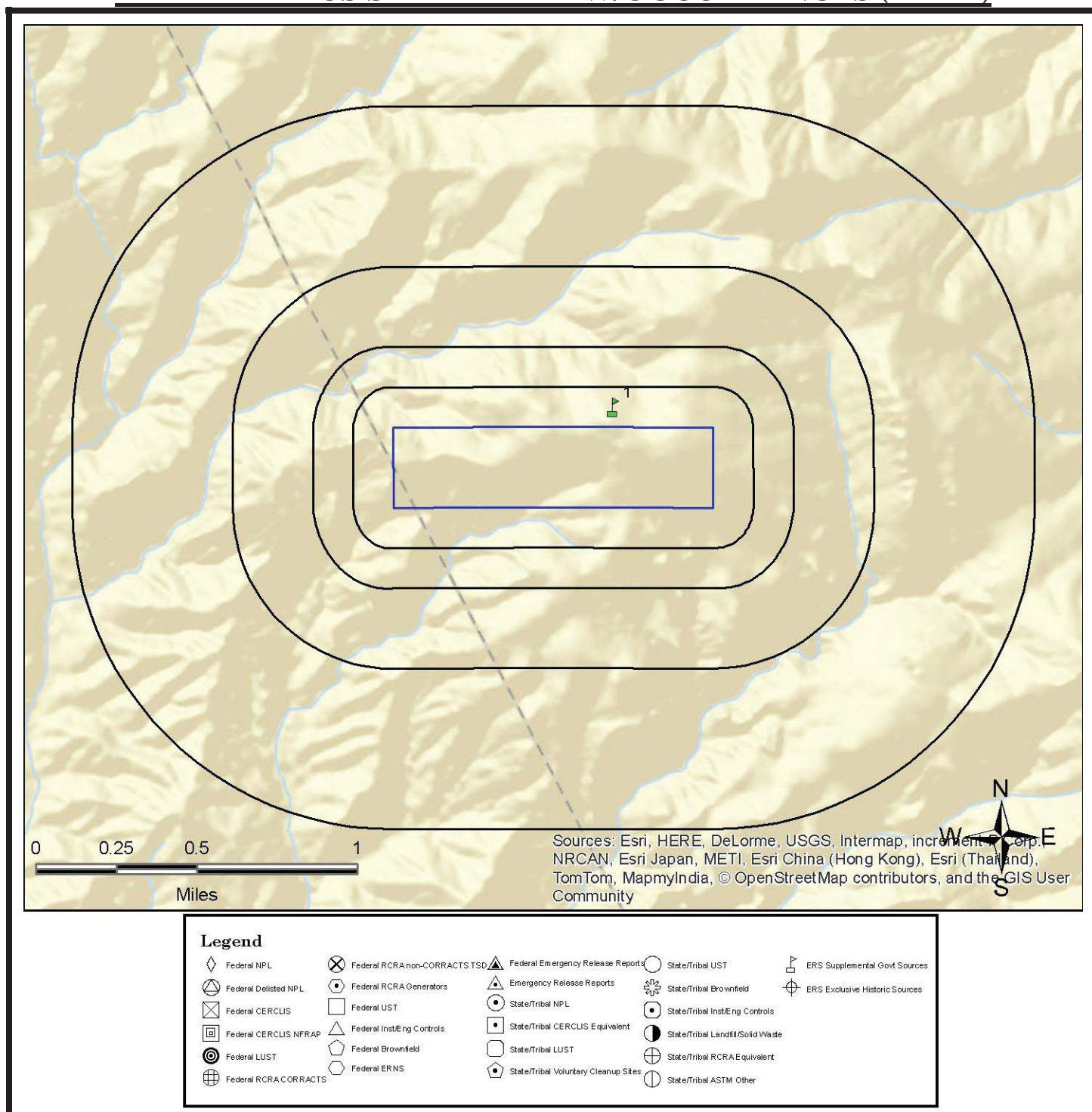
SITE LOCATION MAP

Westland Resources

101-01-005 And 101-01-006
Gila County, AZ

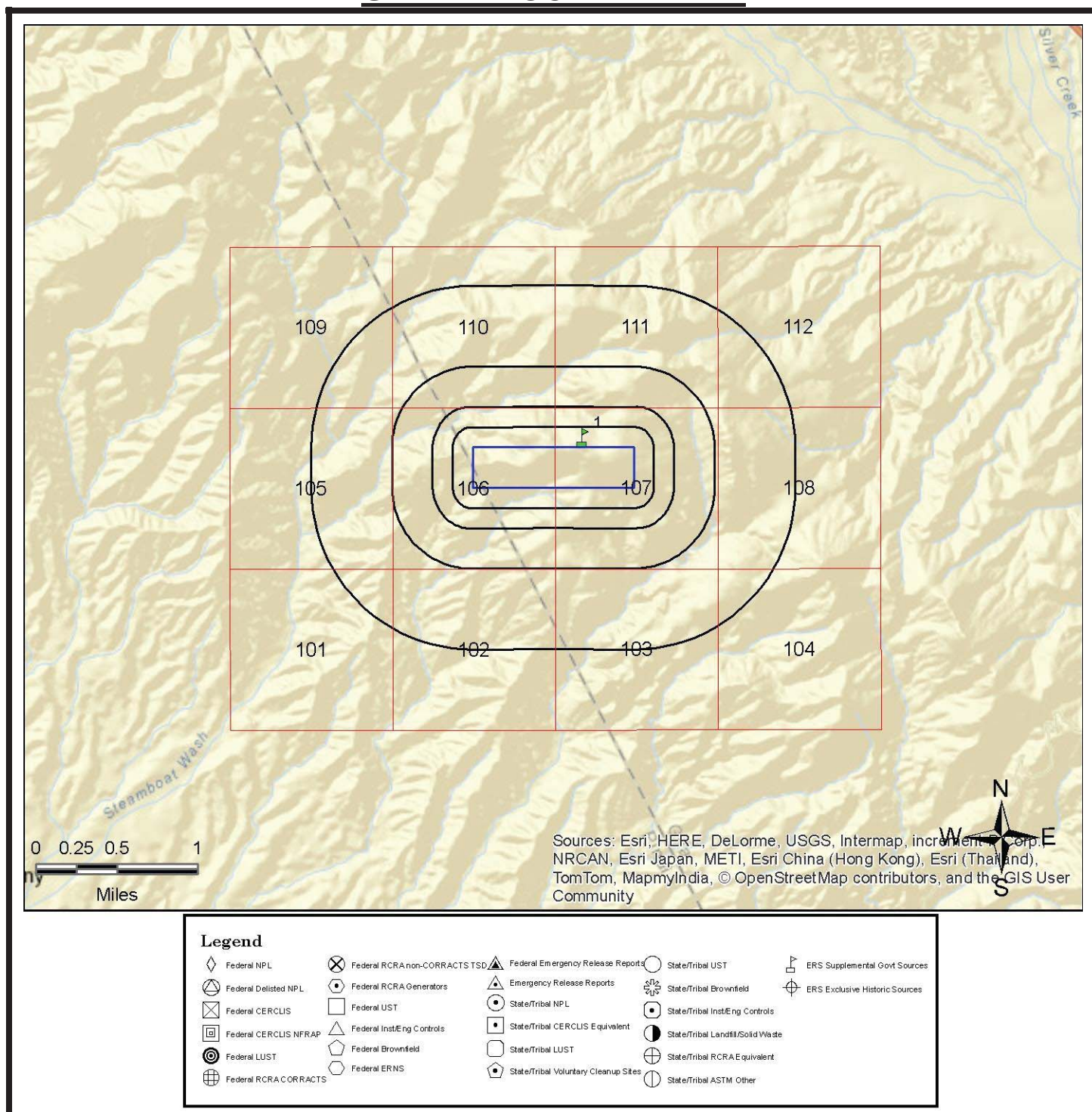
FIGURE: 2
JOB:
DATE: 4/9/2015

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



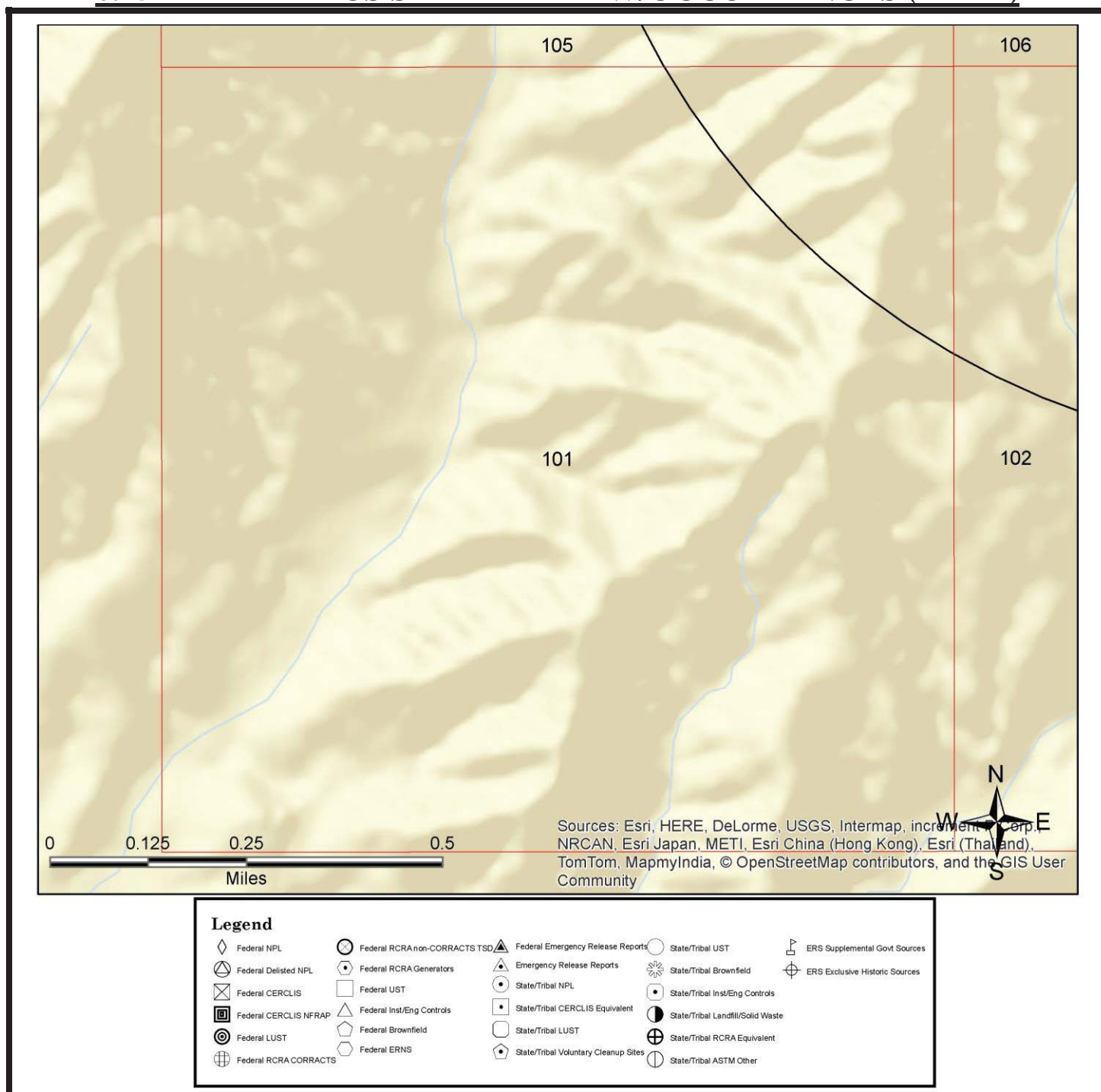
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc.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

GRID LAYOUT MAP KEY



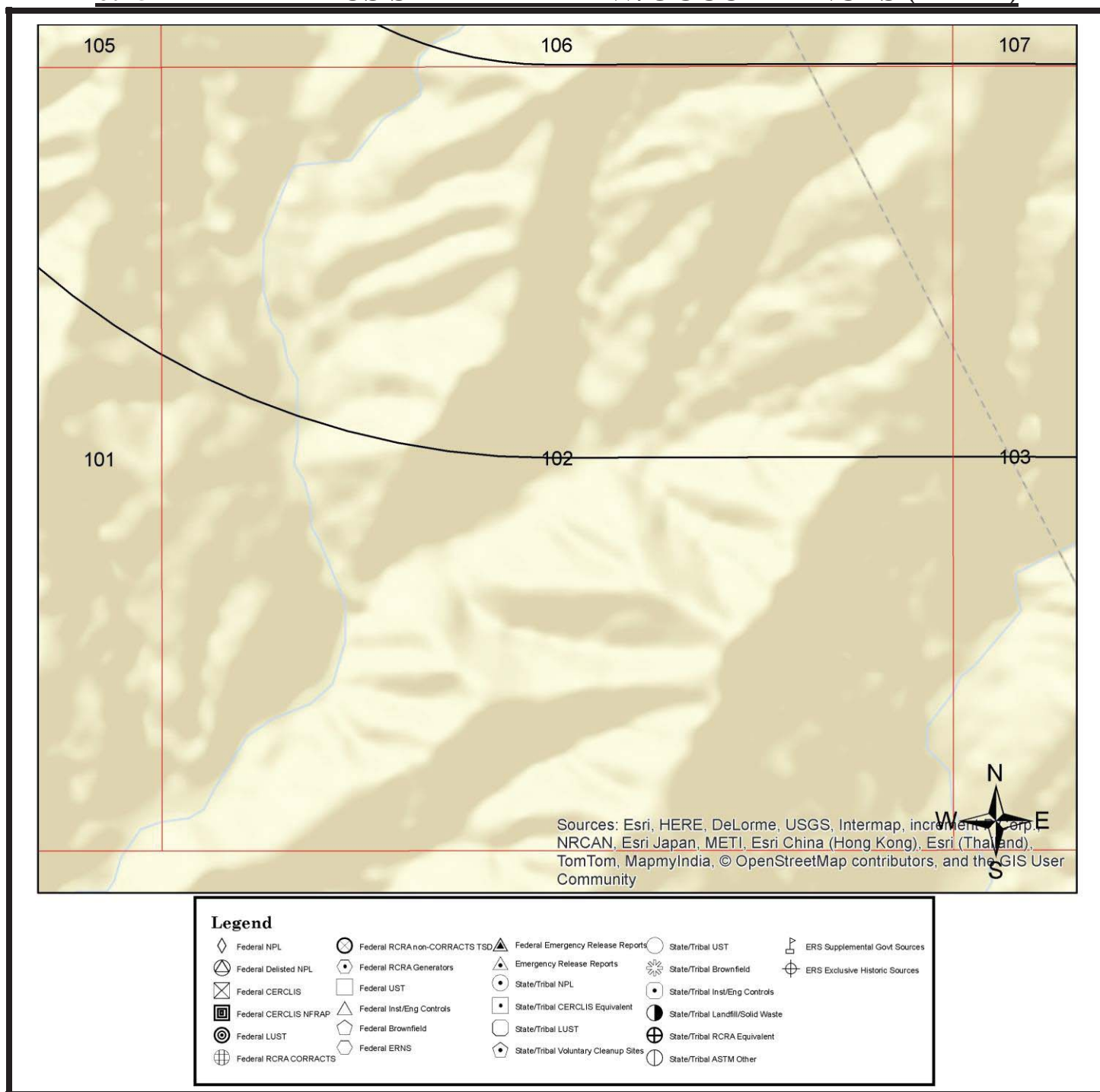
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0.25-MILE RADIUS STREET MAP W/OCCURRENCES (MAP2)



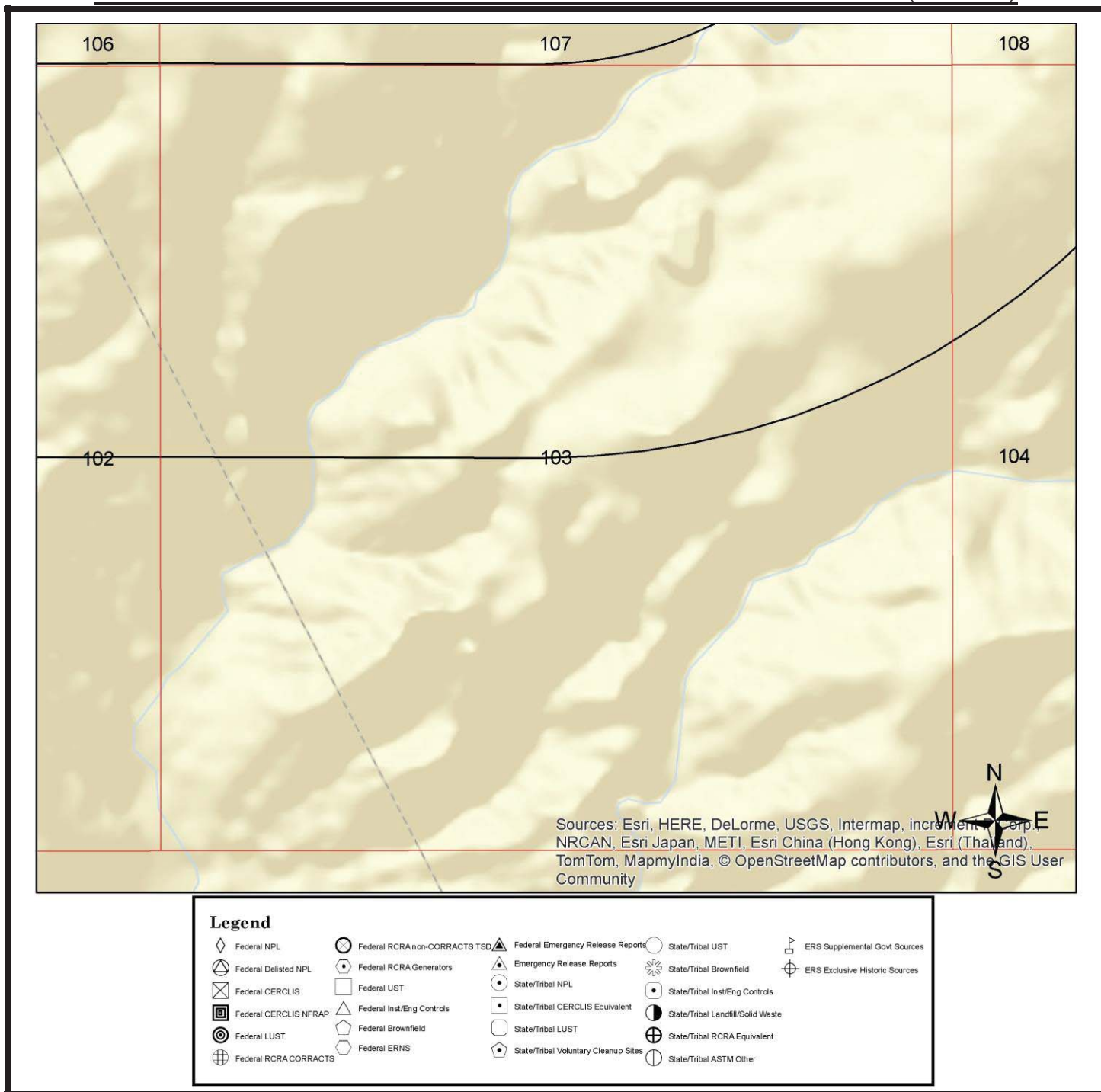
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0.25-MILE RADIUS STREET MAP W/OCCURRENCES (MAP2)



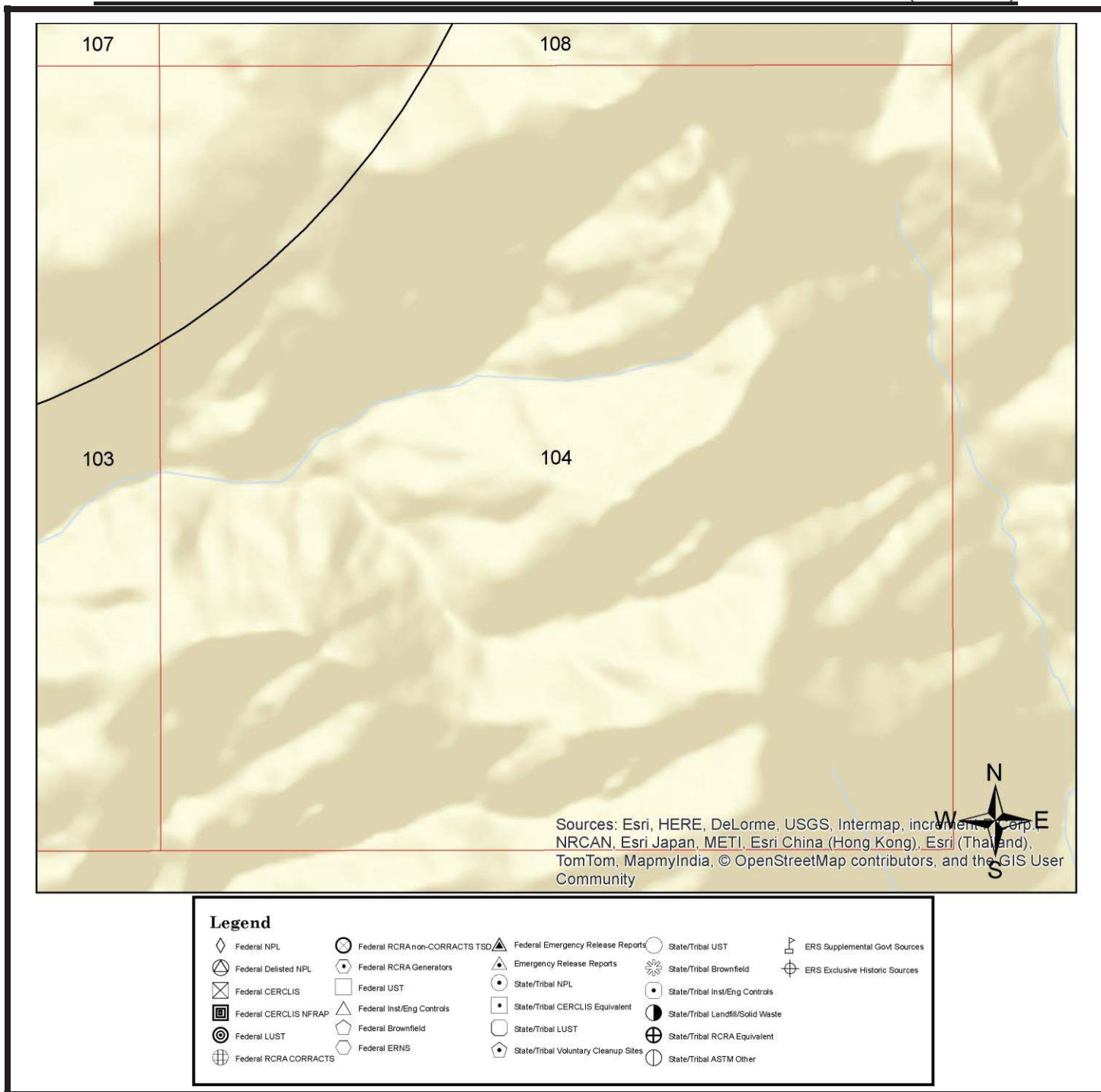
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0.25-MILE RADIUS STREET MAP W/OCCURRENCES (MAP2)



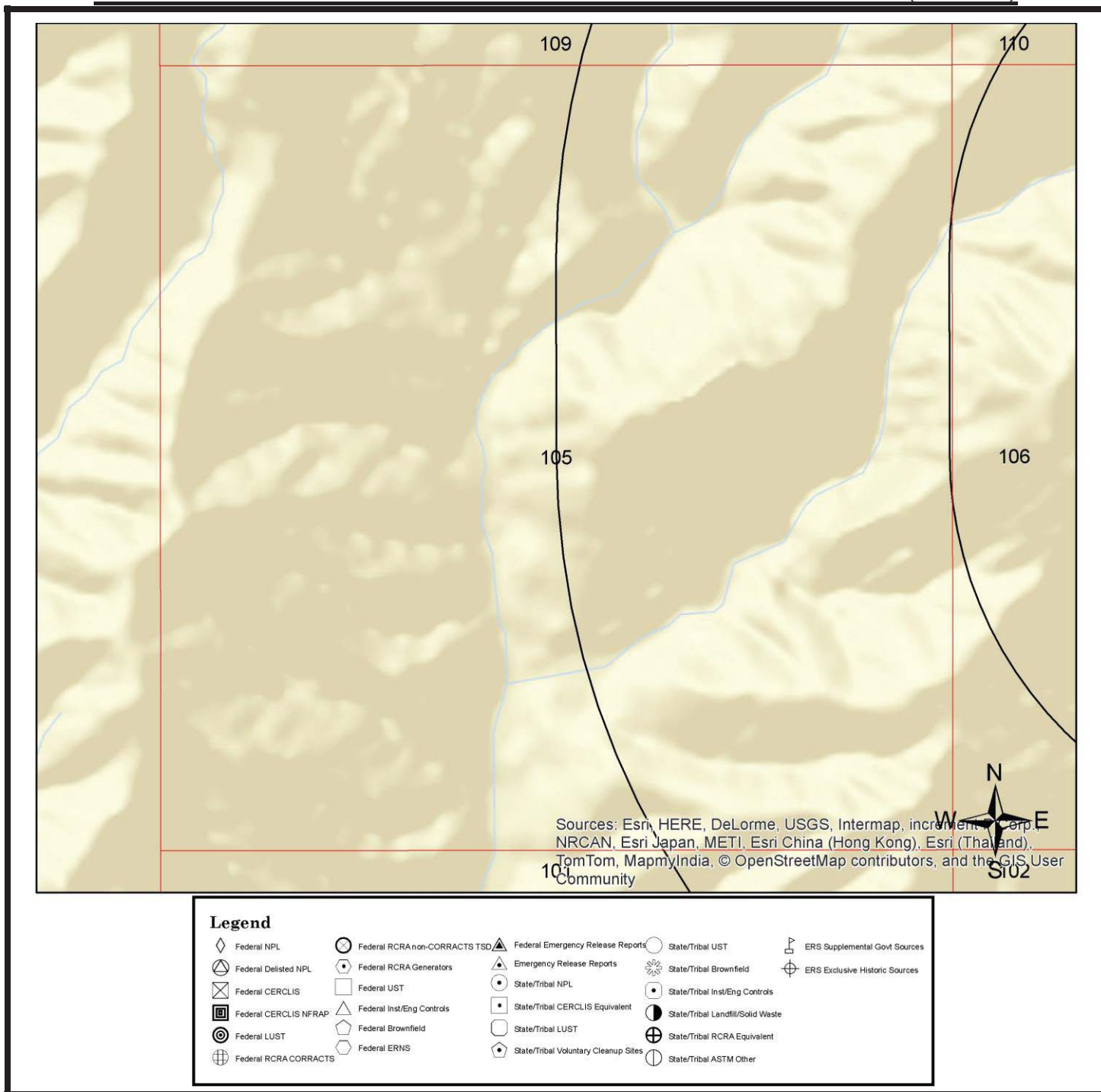
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0.25-MILE RADIUS STREET MAP W/OCCURRENCES (MAP2)



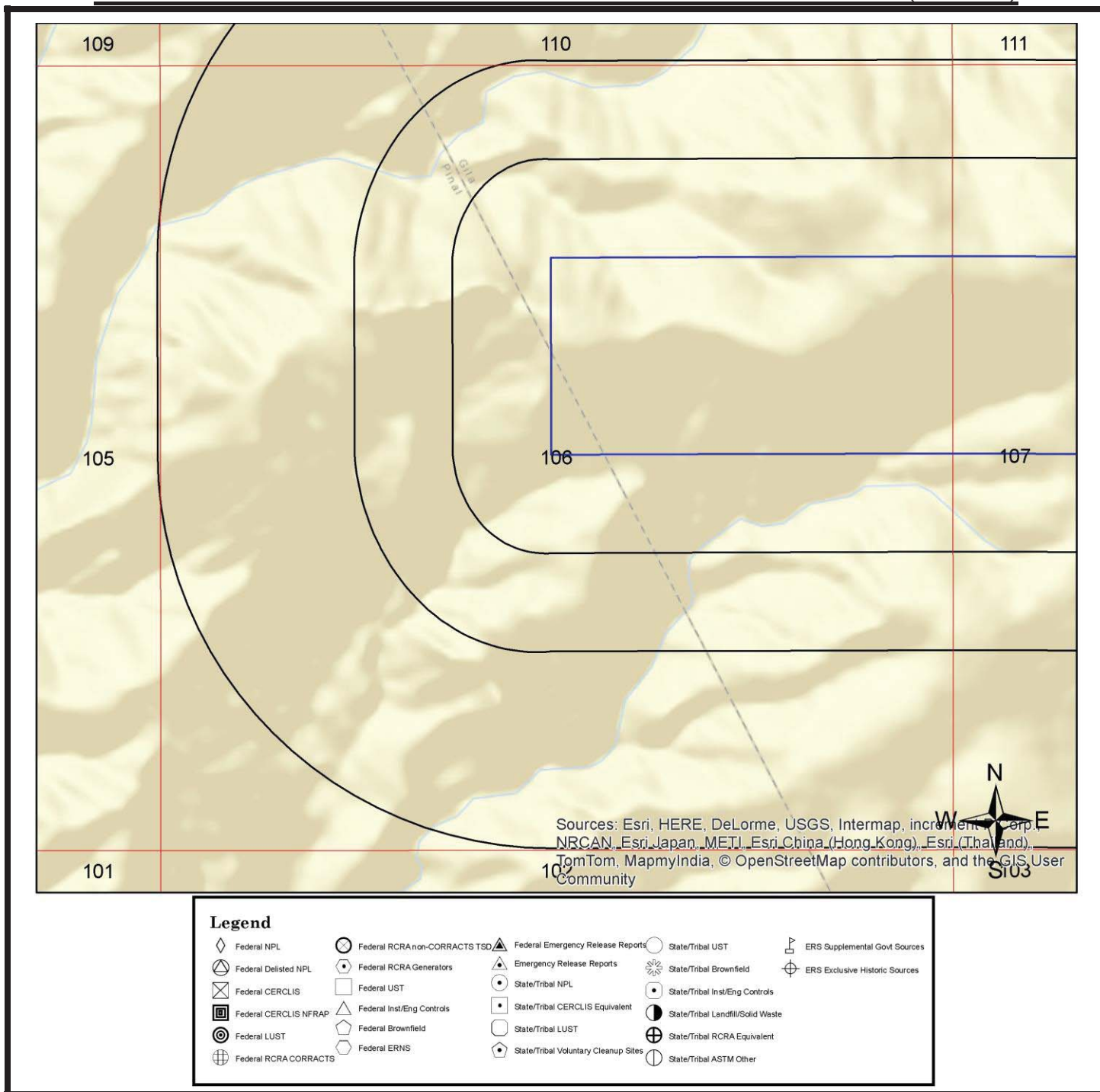
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc.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

0.25-MILE RADIUS STREET MAP W/OCCURRENCES (MAP2)



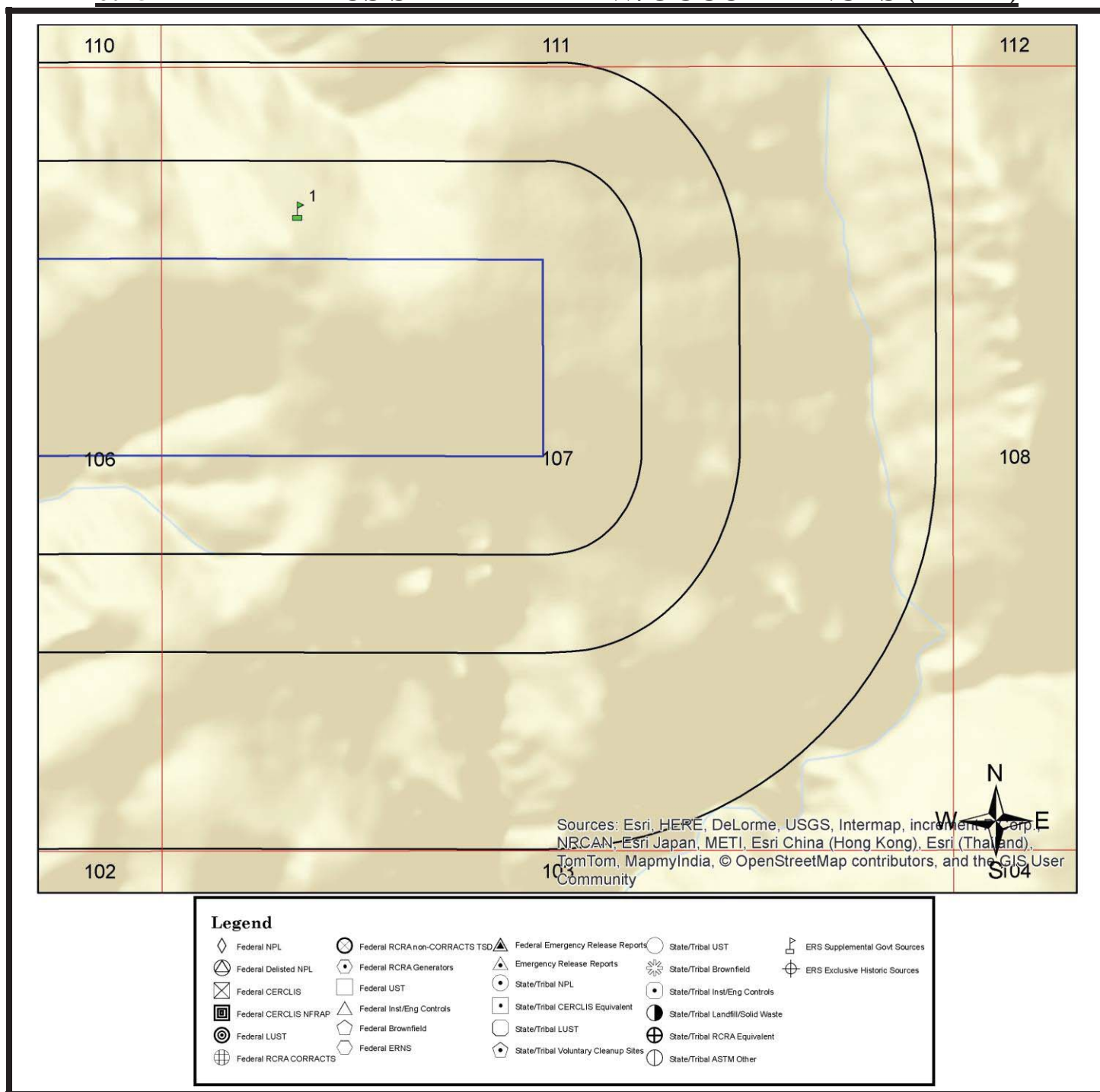
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc.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

0.25-MILE RADIUS STREET MAP W/OCCURRENCES (MAP2)



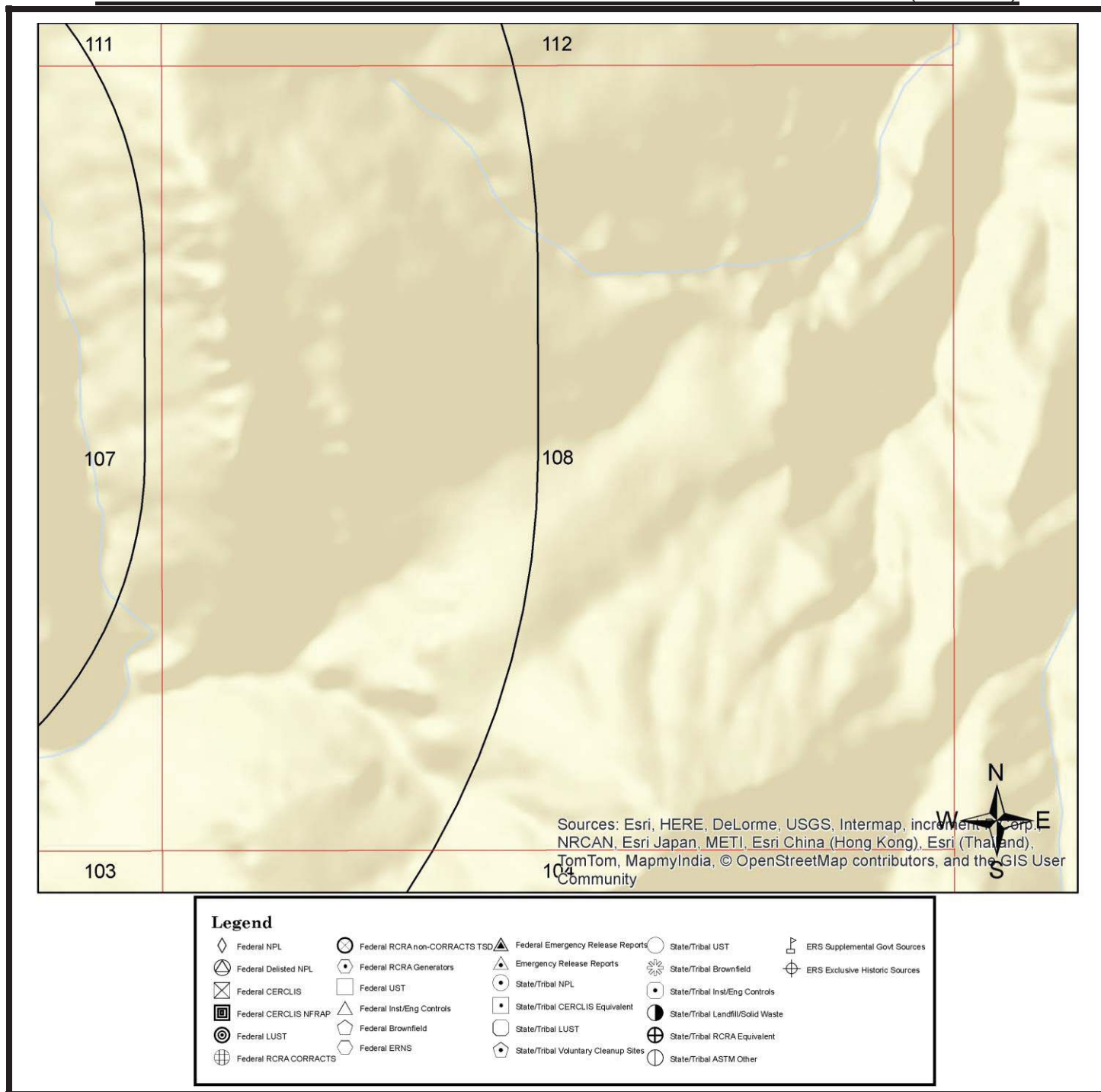
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc.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

0.25-MILE RADIUS STREET MAP W/OCCURRENCES (MAP2)



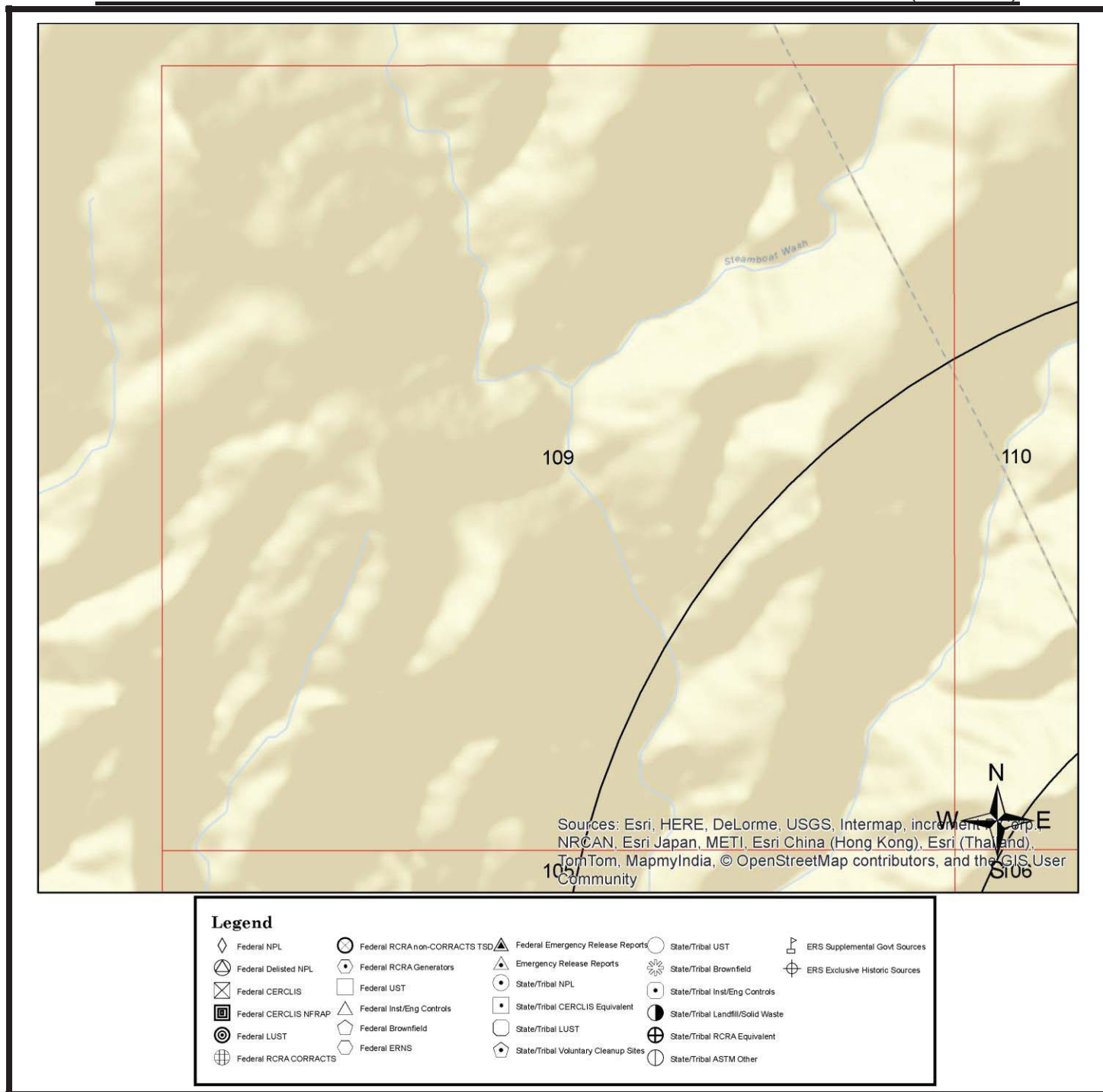
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc.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

0.25-MILE RADIUS STREET MAP W/OCCURRENCES (MAP2)



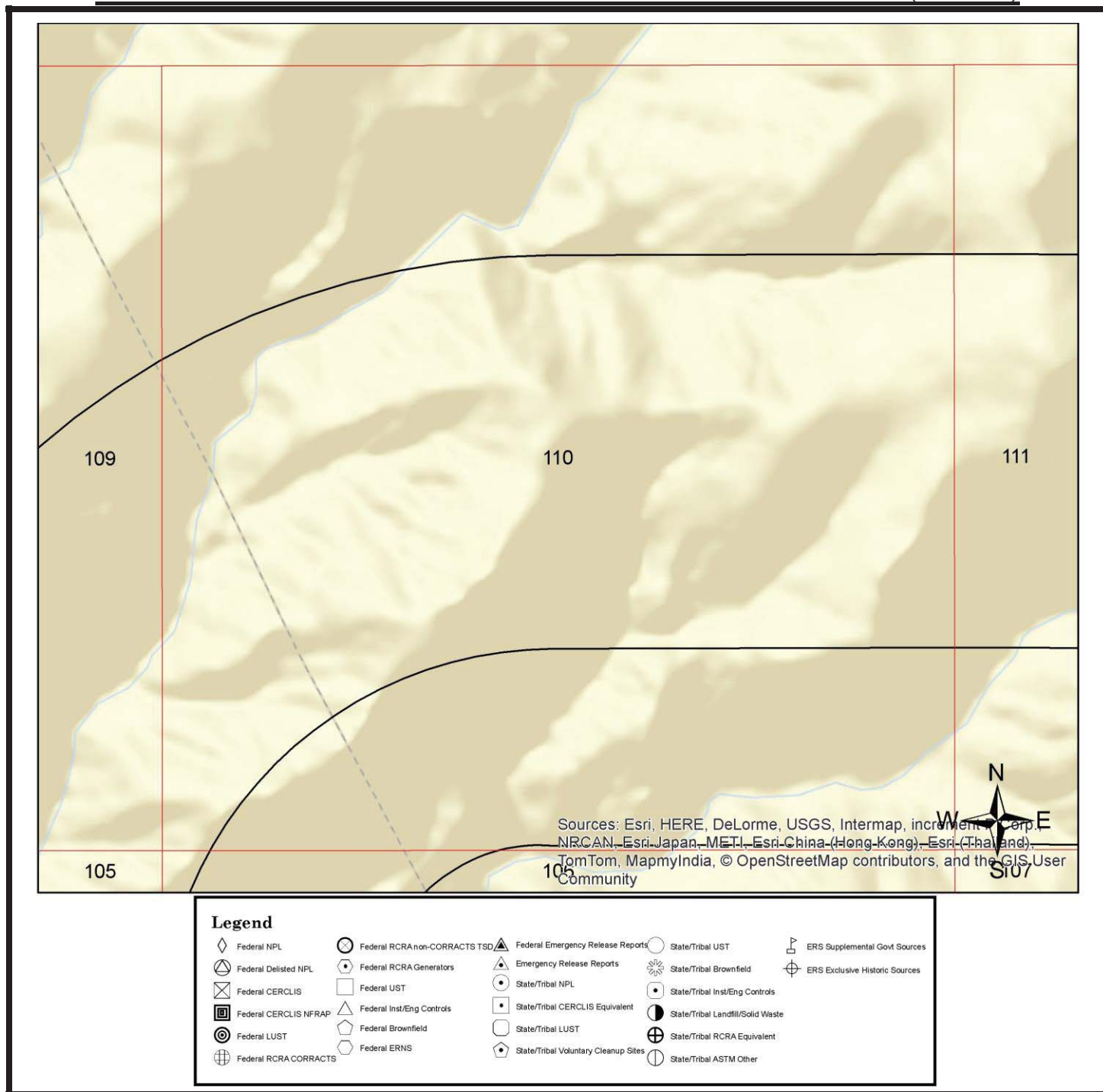
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc.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

0.25-MILE RADIUS STREET MAP W/OCCURRENCES (MAP2)



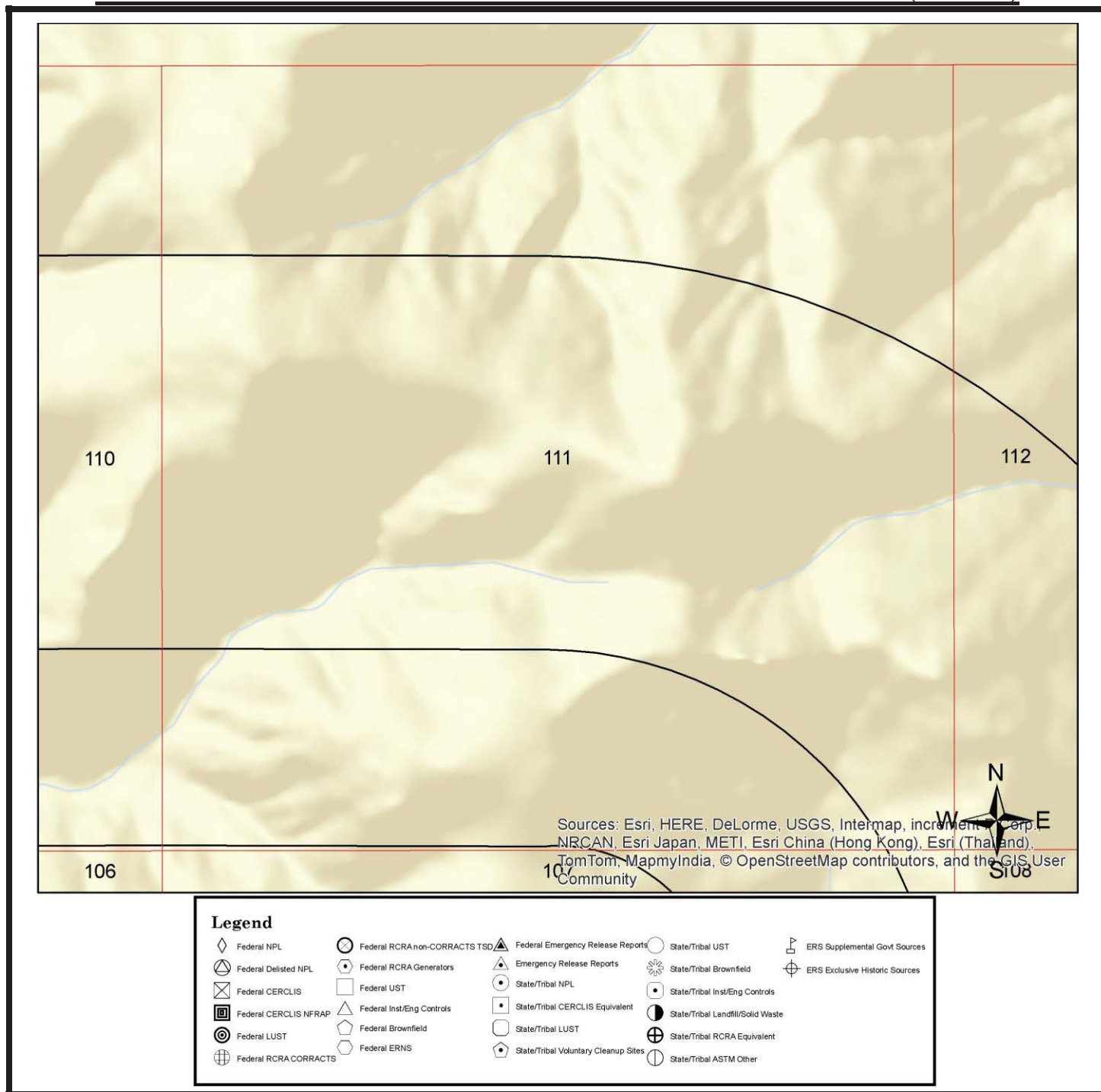
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc.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

0.25-MILE RADIUS STREET MAP W/OCCURRENCES (MAP2)



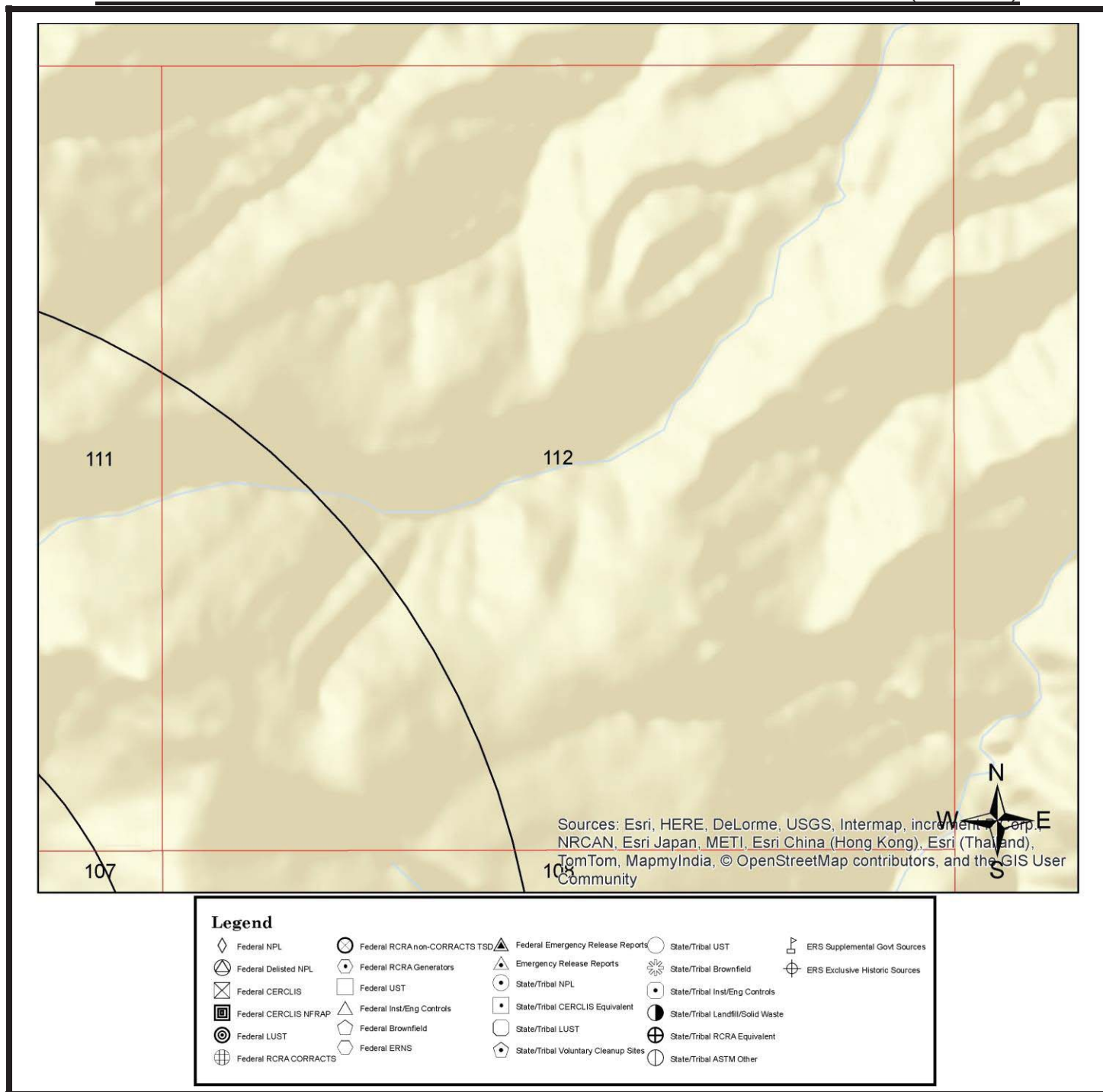
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc.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

0.25-MILE RADIUS STREET MAP W/OCCURRENCES (MAP2)



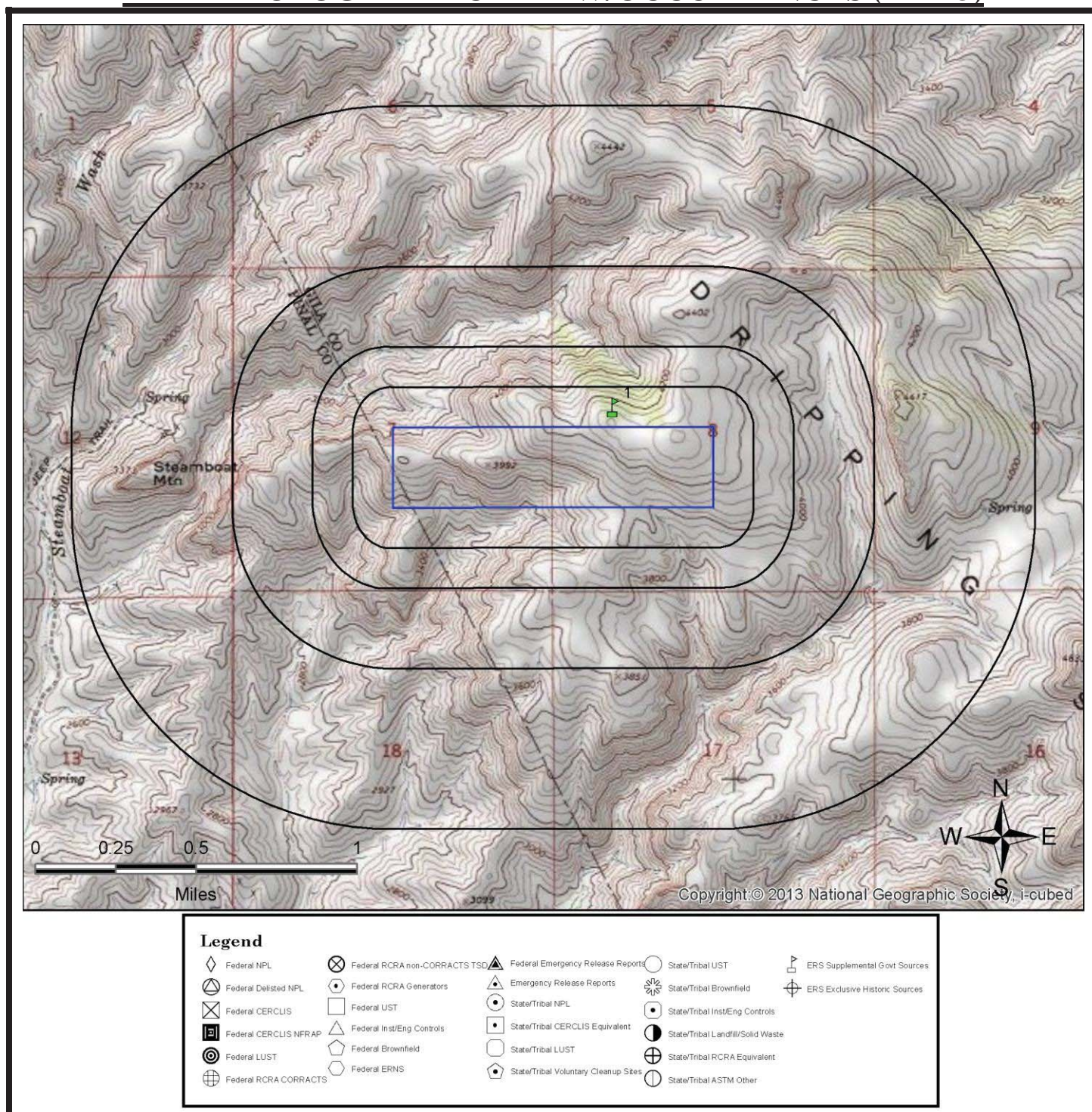
All plotted occurrences represent approximate locations based on geographic information provided by the respective agency. Actual locations may vary due to numerous reasons such as: the size of the property, accuracy of the provided location, accuracy of the software used to determine the location, etc.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

0.25-MILE RADIUS STREET MAP W/OCCURRENCES (MAP2)



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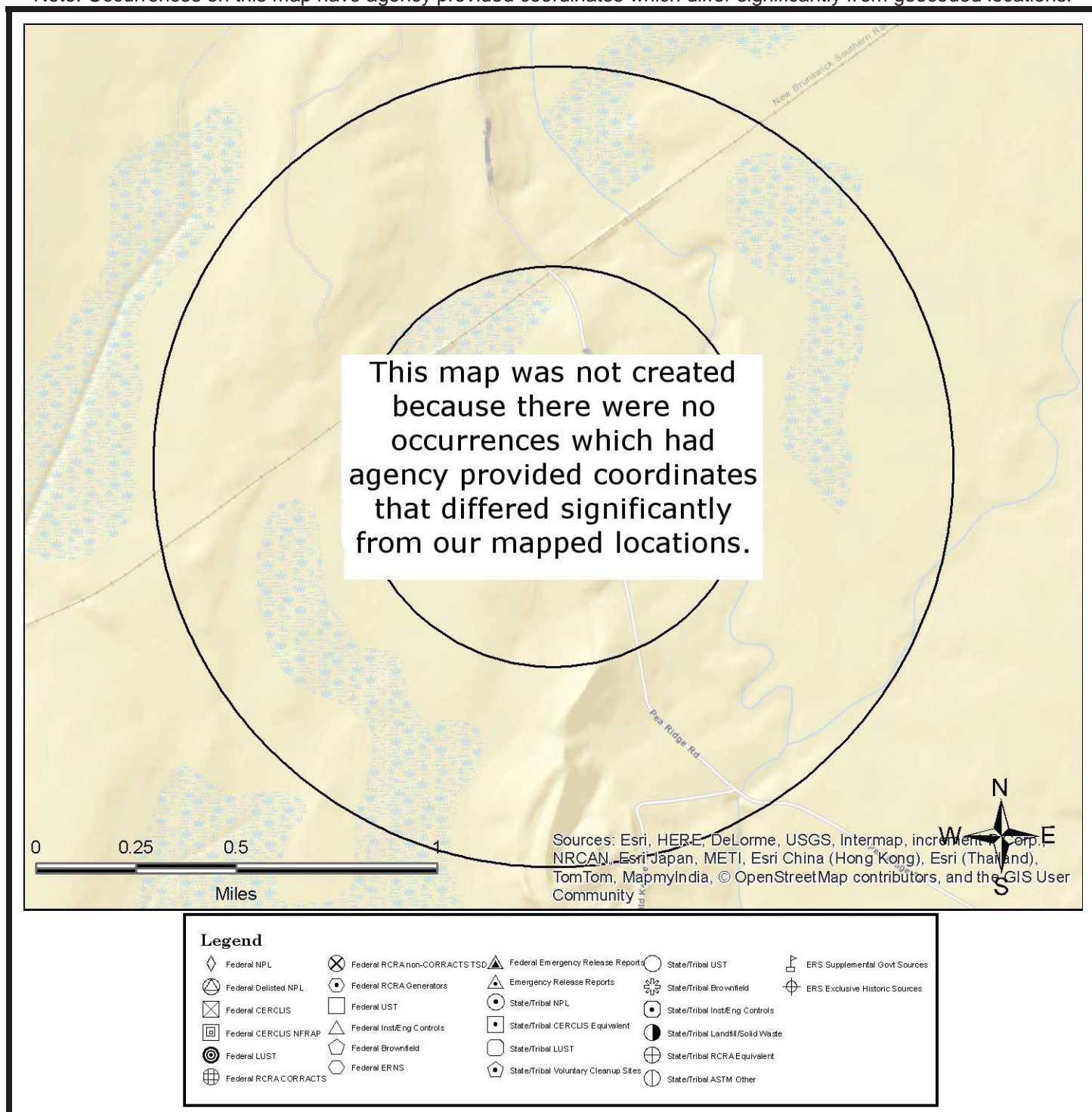
1-MILE TOPOGRAPHIC MAP W/OCCURRENCES (MAP3)



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

AGENCY DIFFERENCES IN MAPPED LOCATIONS (MAP4)

Note: Occurrences on this map have agency provided coordinates which differ significantly from geocoded locations.



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

SUMMARY OF AGENCY DIFFERENCES

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

LISTED OCCURRENCE DETAILS

DATABASE	STATUS	DISTANCE	ELEVATION	MAP ID
Wells-AZ	Listed	0.06 miles N	4255 ft	1
SITE NAME			MAPS	ID
JANET A BARTON			1 , 3	505253
ADDRESS			CITY	ZIP
DETAILS				
URL: https://gisweb.azwater.gov/waterresourcedata/gwsi.aspx GWSI_Site: Not Reported Cadastral: D04015008BCD Well_Type: EXEMPT REG_: Not Reported DWT: Not Reported WL_ELEV__F: Not Reported WELL_STATU: Not Reported Well Depth: 82 Casing Depth: 82 Case Dia: 8 Drill_Date: 4/23/1983 Application: 4/22/1983 Water Level: 29 Pump Capacity: 28 Pump Data: NO Completion: X Log Received: X UTM X: 514892.8 UTM Y: 3662400				

RECORDS SOURCES SEARCHED

Air-AZ

Arizona Air Permits

Category: State/Tribal ASTM Other

Description: This database contains permitted facilities in Arizona. These sites are active and have received ADEQ air permits.

Agency: Arizona Department of Environmental Quality

Phone Number: 6027712331

Date last updated: 7/29/2014

Date last checked: 10/27/2014

Distance searched: 0.5 miles

Sites:

None Found

ALF-AZ

Active Landfills

Category: State/Tribal Landfill/Solid Waste

Description: This database contains a listing of Active Solid Waste Landfills.

Agency: Arizona Department of Environmental Quality

Phone Number: 6027712221

Date last updated: 2/4/2015

Date last checked: 2/4/2015

Distance searched: 0.5 miles

Sites:

None Found

ASPL-AZ

Arizona Superfund Program List

Category: State/Tribal CERCLIS Equivalent

Description: This database contains WQARF Registry Sites, National Priorities List (NPL) sites and Department of Defense (DOD) sites requiring SPS oversight as reported by the Arizona Department of Environmental Quality.

Agency: Arizona Department of Environmental Quality

Phone Number: 6027714340

Date last updated: 3/20/2014

Date last checked: 4/9/2014

Distance searched: 0.5 miles

Sites:

None Found

AST2-AZ

Aboveground Storage Tanks

Category: State/Tribal UST

Description: This database contains aboveground storage tanks as reported by the Department of Fire, Building and Line Safety.

Agency: Department of Fire, Building and Line Safety

Phone Number: 6023641003

Date last updated: 2/4/2015

Date last checked: 2/4/2015

Distance searched: 0.25 miles

Sites:

None Found

AST-AZ**Aboveground Storage Tanks**

Category: State/Tribal UST

Description: This database contains a listing of Aboveground Storage Tanks reported by Arizona Department of Environmental Quality.

Agency: Arizona Department of Environmental Quality

Phone Number: 6027712300

Date last updated: 2/2/2015

Date last checked: 2/2/2015

Distance searched: 0.25 miles

Sites:

None Found

BF-Closed-AZ**Brownfield Sites, Closed Cases**

Category: State/Tribal Brownfield

Description: This database contains a listing of Brownfield Closed Sites where the contamination on the property has been cleaned up.

Agency: Arizona Department of Environmental Quality

Phone Number: 6027714153

Date last updated: 8/19/2014

Date last checked: 10/27/2014

Distance searched: 0.5 miles

Sites:

None Found

BF-Open-AZ**Brownfield Sites, Open Cases**

Category: State/Tribal Brownfield

Description: Brownfield Open Sites where the contamination on the property has not been cleaned up.

Agency: Arizona Department of Environmental Quality

Phone Number: 6027714153

Date last updated: 8/19/2014
Date last checked: 10/27/2014
Distance searched: 0.5 miles
Sites:
None Found

BF-US
A Listing of Brownfields Sites
Category: Federal Brownfield
Description: This database contains a listing of Brownfields sites listed under the "Cleanups in My Community" program maintained by EPA.
Agency: U.S. Environmental Protective Agency
Phone Number: 2025662777
Date last updated: 11/20/2014
Date last checked: 3/27/2015
Distance searched: 0.5 miles
Sites:
None Found

BioFuel-US
Bio Diesel Fuel
Category: ERS Supplemental Govt Sources
Description: This database contains a listing of EPA Fuels Programs facilities.
Agency: U.S Environmental Protection Agency
Phone Number: 2023439303
Date last updated: 11/20/2014
Date last checked: 11/18/2014
Distance searched: 0.25 miles
Sites:
None Found

CDL-AZ
Clandestine Drug Labs
Category: ERS Supplemental Govt Sources
Description: This database contains a listing of seized illegal drug laboratory sites where drug manufacturing chemicals were seized. These sites are reported to meet the S.R.S. 12-990(1) definition of a "clandestine drug laboratory."
Agency: Arizona State Board of Technical Registration
Phone Number: 6023644948
Date last updated: 2/2/2015
Date last checked: 2/2/2015
Distance searched: 0.25 miles
Sites:
None Found

CDL-US**National Clandestine Drug Lab Register****Category:** ERS Supplemental Govt Sources**Description:** National Clandestine Drug Lab Register. This database contains a listing of 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.**Agency:** Unites States Drug Enforcement Administration**Phone Number:** 2023071000**Date last updated:** 11/20/2014**Date last checked:** 11/19/2014**Distance searched:** 0.25 miles**Sites:**

None Found

CERCLIS-Archived-US**CERCLIS sites that have been archived****Category:** Federal CERCLIS NFRAP**Description:** This database contains a listing of Archived CERCLIS sites. The Archive designation means that assessment at a site has been completed and EPA has determined no steps will be taken to designate the site as a priority by listing it on the National Priorities List (NPL). No further remedial action is planned for these sites under the Superfund Program.**Agency:** United States Environmental Protection Agency**Phone Number:** 8004249346**Date last updated:** 11/19/2014**Date last checked:** 2/27/2015**Distance searched:** 0.5 miles**Sites:**

None Found

CERCLIS-US**Comprehensive Environmental Response, Compensation, and Liability Information System****Category:** Federal CERCLIS**Description:** CERCLIS is the Comprehensive Environmental Response, Compensation, and Liability Information System. CERCLIS contains information on hazardous waste sites, potential hazardous waste sites, and remedial activities across the nation, including sites that are on the National Priorities List (NPL) or being considered for the NPL. This database contains a listing of NPL Sites.**Agency:** United States Environmental Protection Agency**Phone Number:** 8004249346**Date last updated:** 11/19/2014**Date last checked:** 2/27/2015**Distance searched:** 0.5 miles**Sites:**

None Found

CLF-AZ**Closed Landfills****Category:** State/Tribal Landfill/Solid Waste**Description:** This database contains a listing of Closed Solid Waste Landfills.**Agency:** Arizona Department of Environmental Quality**Phone Number:** 6027712221**Date last updated:** Historical Database**Date last checked:** N/A**Distance searched:** 0.5 miles**Sites:**

None Found

Controls-AZ**Environmental Use Restriction Sites****Category:** State/Tribal Inst/Eng Controls**Description:** Arizona DEQ maintains a DEUR Tracking Database that lists all sites with Environmental Use Restrictions and Voluntary Environmental Mitigation Use Restrictions. This database contains listings of both types.**Agency:** Arizona Department of Environmental Quality**Phone Number:** 6027714397**Date last updated:** 2/4/2015**Date last checked:** 2/4/2015**Distance searched:** 0.5 miles**Sites:**

None Found

Controls-RCRA-US**Federal RCRA with Controls****Category:** Federal Inst/Eng Controls**Description:** This database contains RCRA facilities that have Inst/Eng Controls placed on them as identified by the EPA.**Agency:** Environmental Protection Agency**Phone Number:** 8004249346**Date last updated:** 3/10/2015**Date last checked:** 3/30/2015**Distance searched:** 0.5 miles**Sites:**

None Found

Controls-US**Controls List****Category:** Federal Inst/Eng Controls

Description: This database contains a listing of Voluntary Action Program Sites with Engineering Controls and/or Institutional Controls placed on them and were identified by the Environmental Protection Agency.

Agency: Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 3/12/2015

Date last checked: 3/2/2015

Distance searched: 0.5 miles

Sites:

None Found

Dams-AZ

Arizona Dams

Category: ERS Supplemental Govt Sources

Description: This database contains dam locations in Arizona. The data is provided by the University of Arizona Institutional Repository and has not been updated since 1996.

Agency: United States Environmental Protection Agency

Phone Number: 2022607301

Date last updated: 2/4/2015

Date last checked: 2/4/2015

Distance searched: 0.25 miles

Sites:

None Found

Debris-US

Debris Sites

Category: Federal Solid Waste

Description: This database contains the Torres Martinez Reservation Illegal dump sites reported by the United States Environmental Protection Agency.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.5 miles

Sites:

None Found

Delisted-NPL-US

Delisted NPL Sites

Category: Federal Delisted NPL

Description: This database contains a listing of Delisted NPL sites. These are facilities that have been removed from the NPL list. The EPA may delete a final NPL site if it determines that no further response is required to protect human health or the environment.

Agency: Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 11/19/2014

Date last checked: 2/27/2015

Distance searched: 0.5 miles

Sites:

None Found

DryCleaners-AZ

Dry Cleaner Facilities

Category: ERS Supplemental Govt Sources

Description: This database contains a listing of drycleaners reported by the Arizona Department of Environmental Quality.

Agency: Arizona Department of Environmental Quality

Phone Number: 6027712221

Date last updated: 4/29/2014

Date last checked: 4/28/2014

Distance searched: 0.25 miles

Sites:

None Found

DryWell-AZ

DryWells

Category: ERS Supplemental Govt Sources

Description: This database contains drywell locations reported by the Arizona Department of Environmental Quality.

Agency: Arizona Department of Environmental Quality

Phone Number: 6027714686

Date last updated: 2/4/2015

Date last checked: 2/4/2015

Distance searched: 0.25 miles

Sites:

None Found

EGRID-US

Emissions & Generation Resource Facilities

Category: ERS Supplemental Govt Sources

Description: Emissions & Generation Resource Integrated Database (eGRID) is a comprehensive source of data on the environmental characteristics of almost all electric power generated in the United States.

Agency: Environmental Protection Agency

Phone Number: 2023439340

Date last updated: 3/2/2015

Date last checked: 3/2/2015

Distance searched: 0.5 miles

Sites:

None Found

ERNS-US**Emergency Response Notification System****Category:** Federal ERNS**Description:** The primary function of the National Response Center is to serve as the sole national point of contact for reporting all oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories. This database contains a listing of discharge locations.**Agency:** National Response Center**Phone Number:** 8004248802**Date last updated:** 3/2/2015**Date last checked:** 3/2/2015**Distance searched:** 0.25 miles**Sites:**

None Found

FA-HW-US**Financial Assurance, Hazardous Waste****Category:** ERS Supplemental Govt Sources**Description:** This database contains Financial Assurance facilities listed under the Hazardous Waste program as reported by the United States Environmental Protection Agency.**Agency:** United States Environmental Protection Agency**Phone Number:** 8004249346**Date last updated:** 12/15/2014**Date last checked:** 10/7/2014**Distance searched:** 0.25 miles**Sites:**

None Found

FA-UST-AZ**Financial Assurance for Underground Storage Tanks****Category:** ERS Supplemental Govt Sources**Description:** This database identifies facilities with Underground Storage Tanks that have financial assurance as reported by the Arizona Department of Environmental Quality.**Agency:** Arizona Department of Environmental Quality**Phone Number:** 7852961684**Date last updated:** 2/2/2015**Date last checked:** 2/2/2015**Distance searched:** 0.25 miles**Sites:**

None Found

FRS-US

Facility Registry Index (FINDS)

Category: ERS Supplemental Govt Sources

Description: The Facility Registry System (FRS) is a centrally managed database that identifies facilities, sites or places subject to environmental regulations or of environmental interest.

Agency: Environmental Protection Agency

Phone Number: 2022720167

Date last updated: 11/20/2014

Date last checked: 11/8/2014

Distance searched: 0.25 miles

Sites:

None Found

FTTS-ENF-US**FIFRA/TSCA Tracking System (FTTS) Enforcement Actions**

Category: Federal ASTM Other

Description: The FIFRA/TSCA Tracking System (FTTS) is a regional system used to track compliance activities such as inspections, case review, enforcement actions taken, samples collected, and pesticide grants and cooperative agreement information. The compliance monitoring and enforcement activities are tracked from the time an inspector conducts (or schedules) an inspection until the time the case is closed or the enforcement action is settled. Specific legal citations include, but are not limited to: Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), Toxic Substances Control Act (TSCA), and Emergency Planning and Community Right-to-Know Act (EPCRA).

Agency: United States Environmental Protection Agency

Phone Number: 2025642501

Date last updated: 7/10/2014

Date last checked: 7/2/2014

Distance searched: 1 mile

Sites:

None Found

FTTS-INSP-US**FIFRA/TSCA Tracking System (FTTS) Inspections**

Category: ERS Supplemental Govt Sources

Description: The FIFRA/TSCA Tracking System (FTTS) is a regional system used to track compliance activities such as inspections, case review, enforcement actions taken, samples collected, and pesticide grants and cooperative agreement information. The compliance monitoring and enforcement activities are tracked from the time an inspector conducts (or schedules) an inspection until the time the case is closed or the enforcement action is settled. Specific legal citations include, but are not limited to: Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), Toxic Substances Control Act (TSCA), and Emergency Planning and Community Right-to-Know Act (EPCRA).

Agency: United States Environmental Protection Agency

Phone Number: 2025642501

Date last updated: 7/10/2014

Date last checked: 7/2/2014

Distance searched: 0.25 miles

Sites:

None Found

FUDS-US**Formerly Used Defense Sites**

Category: ERS Supplemental Govt Sources

Description: The Department of Defense (DoD) is responsible for environmental restoration of properties that were formerly owned by, leased to or otherwise possessed by the United States and under the jurisdiction of the Secretary of Defense. Such properties are known as Formerly Used Defense Sites (FUDS). The Army is the executive agent for the program and the U.S. Army Corps of Engineers manages and directs the program's administration. The scope and magnitude of the FUDS program are significant, with more than 9,900 properties identified for potential inclusion in the program. Information about the origin and extent of contamination, land transfer issues, past and present property ownership, and program policies must be evaluated before DoD considers a property eligible for Defense Environment Restoration Account (DERA) funding under the FUDS program. Environmental cleanup procedures at FUDS are similar to those at active DoD installations.

Agency: Department of Defense

Phone Number: 2025284285

Date last updated: 3/13/2015

Date last checked: 3/2/2015

Distance searched: 1 mile

Sites:

None Found

Hist-AFS2-US**Air Facility System for Clean Air Act stationary sources**

Category: Federal ASTM Other

Description: AFS contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners (automobiles and other mobile air pollution sources are tracked by a different AIRS subsystem (AMS).

Agency: Environmental Protection Agency

Phone Number: 2025645962

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.5 miles

Sites:

None Found

Hist-AFS-US**Air Facility System for Clean Air Act stationary sources**

Category: Federal ASTM Other

Description: AFS contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners (automobiles and other mobile air pollution sources are tracked by a different AIRS subsystem (AMS).

Agency: Environmental Protection Agency

Phone Number: 2025645962

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.5 miles

Sites:

None Found

Hist-Agriculture

Ranches/Farms, Livestock/Agriculture

Category: ERS Exclusive Historic Sources

Description: ERS has compiled proprietary lists of MILLIONS of records dating back to the 1800's that have shown up in historic resources and based on their classification, may have used hazardous materials or petroleum products. This listing includes sites such as: Ranches, Farms, Livestock, and/or Agriculture. This classification covers establishments primarily engaged in the production or feeding of beef cattle, except feedlots. Establishments also included are engaged in the production of cows' milk and other dairy products and in raising dairy heifer replacements. Such farms may process and bottle milk on the farm and sell at wholesale or retail. This category also includes establishments primarily engaged in the production of animal specialties, not elsewhere classified, such as pets, bees, worms, and laboratory animals. Furthermore, this industry includes establishments primarily engaged in the production of cash grains, not elsewhere classified. Primary cash grains in this classification include dry field and seed peas and beans, safflowers, sunflowers, and popcorn.

Agency: Environmental Record Search (ERS)

Phone Number: 8003772430

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

None Found

Hist-Auto Dealers

Auto and Truck Dealers

Category: ERS Exclusive Historic Sources

Description: ERS has compiled proprietary lists of MILLIONS of records dating back to the 1800's that have shown up in historic resources and based on their classification, may have used hazardous materials or petroleum products. This listing includes sites such as: Auto Dealers. This classification is comprised of establishments involved in the retail sale of new automobiles and light trucks. This category also covers establishments primarily engaged in the retail sale of used cars only, with no sales of new automobiles, new automobile tires, batteries, and other automobile parts and accessories.

Agency: Environmental Record Search (ERS)

Phone Number: 8003772430

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

None Found

Hist-Auto Repair

Automotive and Truck Tire Dealers

Category: ERS Exclusive Historic Sources

Description: ERS has compiled proprietary lists of MILLIONS of records dating back to the 1800's that have shown up in historic resources and based on their classification, may have used hazardous materials or petroleum products. This listing includes sites such as: Auto Repair and Tire Dealers. This classification is primarily selling, tires, replacement parts, batteries, and other automotive accessories. In addition, many operate service departments.

Agency: Environmental Record Search (ERS)

Phone Number: 8003772430

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

None Found

Hist-AZ

Previously Listed Arizona Sites

Category: ERS Supplemental Govt Sources

Description: ERS has compiled records that have been previously listed in other agency databases. When ERS updates an agency database, if there is a record that was in the older version but the record is not found in the newer version, it is put into this database. The site may have been completely removed, or there was a significant change in the record such as Name, ID, or Address. The information from the old listing is preserved in this database along with which database it was originally in. It is also possible that it was moved from one database to another such as a LUST Open site receiving closure and now being listed in the LUST Closed database.

Agency: Environmental Record Search (ERS)

Phone Number: 8003772430

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

None Found

Hist-Chemical Manufacturing

Manufacturing and Distribution of Chemicals, Gases, and/or Solids

Category: ERS Exclusive Historic Sources

Description: ERS has compiled proprietary lists of MILLIONS of records dating back to the 1800's that have shown up in historic resources and based on their classification, may have used hazardous materials or petroleum products. This listing includes sites such as: Manufacturing and Distribution of Chemicals, Gases, and/or Solids. This industry classification includes establishments engaged in manufacturing alkalies and chlorine. Examples of products include compressed or liquefied chlorine, sodium or potassium hydroxide, sodium bicarbonate, and soda ash (not produced at mines). Manufacturing of industrial gases (organic as well as inorganic) that may be sold in compressed, liquid, or solid form. Industrial gases include acetylene, argon, carbon dioxide, helium, hydrogen, neon, nitrogen, nitrous oxide, and oxygen. Also, manufacturing industrial inorganic chemicals not elsewhere classified. A few examples are alum, ammonium compounds (except for fertilizer), industrial bleaches (sodium or calcium hypochlorite), chemical catalysts, hydrazine, hydrochloric acid, hydrogen peroxide, inorganic sodium compounds, and sulfuric acid. Other chemicals, not elsewhere classified, such as, fatty acids, essential oils, gelatin (except vegetable), sizes, bluing, laundry soaps, writing and stamp pad ink, industrial compounds, such as boiler and heat insulating compounds, metal, oil, and water treating compounds, waterproofing compounds, and chemical supplies for foundries. This category also includes manufacturing various resins and plastics for sale to other industries that create plastic sheets, rods, films, and other products. The category also includes synthetic rubber, soap and detergents, rayon and acetate fibers. Furthermore, this category includes industrial and household adhesives, glues, caulking compounds, sealants, and linoleum, tile, rubber cements from vegetable, hardwood and softwood distillation products, natural dyes, tanning materials, and related products

Agency: Environmental Record Search (ERS)

Phone Number: 8003772430

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

None Found

Hist-Cleaners

Laundry, Cleaners, and Dry Cleaning Services

Category: ERS Exclusive Historic Sources

Description: ERS has compiled proprietary lists of MILLIONS of records dating back to the 1800's that have shown up in historic resources and based on their classification, may have used hazardous materials or petroleum products. This listing includes sites, such as: Laundry, Cleaners, and Dry Cleaning Services. This category includes firms that primarily operate mechanical laundries powered with steam or other means, offer services, such as, dry cleaning or dyeing apparel, household fabrics, cleaning carpets and upholstered furniture, repair, alteration, and storage of clothes for individuals. Also, these establishments may provide laundered or dry-cleaned services to industrial, commercial, and government users. This category also includes establishments that primarily serve as agents for launderers and drycleaners. Furthermore, this category also includes businesses that primarily supply or rent to commercial establishments or household users the following laundered items: uniforms, gowns, and coats used by doctors, nurses, barbers, beauticians, and waitresses; table linens, bed linens, towels and toweling; and similar various items.

Agency: Environmental Record Search (ERS)

Phone Number: 8003772430

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

None Found

Hist-Dumps-US

Dumps Inventory of 1985

Category: Federal Solid Waste

Description: This database contains Dumps as reported on the Inventory of Open Dumps from 1985. This report was published by the Office of Solid Waste, EPA.

Agency: Environmental Protection Agency

Phone Number: 2025660200

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.5 miles

Sites:

None Found

Hist-FIFRA-US

Case Administration Data from National Compliance Database (Federal Insecticide, Fungicide, and Rodenticide Act)

Category: ERS Supplemental Govt Sources

Description: This database is no longer maintained by EPA since 2006. The system tracked compliance monitoring and enforcement activities from the time an inspector conducts an inspection until the inspector closes the case or settles any resulting enforcement action(s). EPA now has the ICS database to track this information.

Agency: U.S. Environmental Protection Agency

Phone Number: 2025642501

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

None Found

Hist-Machine Shop

Machine Shops, Welding, Machine Repair

Category: ERS Exclusive Historic Sources

Description: ERS has compiled proprietary lists of MILLIONS of records dating back to the 1800's that have shown up in historic resources and based on their classification, may have used hazardous materials or petroleum products. This listing includes sites, such as: Machine shops, welding shops and machine repair.

Agency: Environmental Record Search (ERS)

Phone Number: 8003772430

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

None Found

Hist-Manufacturing

Historic Sources US: Manufacturing

Category: ERS Exclusive Historic Sources

Description: ERS has compiled proprietary lists of MILLIONS of records dating back to the 1800's that have shown up in historic resources and based on their classification, may have used hazardous materials or petroleum products. This listing includes manufacturing sites.

Agency: Environmental Record Search (ERS)

Phone Number: 8003772430

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

None Found

Hist-Metal Plating

Metal Plating

Category: ERS Exclusive Historic Sources

Description: ERS has compiled proprietary lists of MILLIONS of records dating back to the 1800's that have shown up in historic resources and based on their classification, may have used hazardous materials or petroleum products. This listing includes metal plating sites.

Agency: Environmental Record Search (ERS)

Phone Number: 8003772430

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

None Found

HIST-MLTS-US

Material Licensing Tracking System

Category: ERS Supplemental Govt Sources

Description: This database contains facilities listed on the Material Licensing Tracking system that possess or use radioactive materials as reported by the U.S. Nuclear Regulatory Commission. In late 2012, the agency changed from MLTS to WBL system and no longer keep track of certain information that was available in the old MLTS system.

Agency: U.S. Nuclear Regulatory Commission

Phone Number: 3014157169

Date last updated: 12/18/2014

Date last checked: 12/18/2014

Distance searched: 0.25 miles

Sites:

None Found

Hist-Mortuaries

Crematories/Mortuaries

Category: ERS Exclusive Historic Sources

Description: ERS has compiled proprietary lists of MILLIONS of records dating back to the 1800's that have shown up in historic resources and based on their classification, may have used hazardous materials or petroleum products. This listing includes sites such as: Mortuaries and Crematories. This classification includes establishments primarily engaged in preparing the dead for burial, conducting funerals, and cremating the dead.

Agency: Environmental Record Search (ERS)

Phone Number: 8003772430

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

None Found

Hist-Paint-Stores

Paint Stores

Category: ERS Exclusive Historic Sources

Description: ERS has compiled proprietary lists of MILLIONS of records dating back to the 1800's that have shown up in historic resources and based on their classification, may have used hazardous materials or petroleum products. This listing includes paint stores.

Agency: Environmental Record Search (ERS)

Phone Number: 8003772430

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

None Found

Hist-Petroleum

Petroleum Refining/ Manufacturing/ Chemicals

Category: ERS Exclusive Historic Sources

Description: ERS has compiled proprietary lists of MILLIONS of records dating back to the 1800's that have shown up in historic resources and based on their classification, may have used hazardous materials or petroleum products. This listing includes sites such as: Petroleum Refining, Manufacturing, and/or processing Chemicals. This category covers establishments engaged primarily in producing gasoline, kerosene, distillate fuel oils, residual fuel oils, and lubricants through fractionation or straight distillation of crude oil, re-distillation of unfinished petroleum derivatives, cracking, or other processes. This category also includes establishments primarily engaged in manufacturing packaged fuel, powdered fuel, and other products of petroleum and coal not elsewhere classified, asphalt and tar paving mixtures and paving blocks made of asphalt mixed. Furthermore, this category includes establishments primarily engaged in blending, compounding, and re-refining lubricating oils and greases from purchased mineral, animal, and vegetable materials.

Agency: Environmental Record Search (ERS)

Phone Number: 8003772430

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

None Found

Hist-Printers

Printers and Publishers

Category: ERS Exclusive Historic Sources

Description: ERS has compiled proprietary lists of MILLIONS of records dating back to the 1800's that have shown up in historic resources and based on their classification, may have used hazardous materials or petroleum products. This listing includes sites such as: Printers and Publishers. This category is primarily engaged in publishing newspapers or in publishing and printing newspapers, publishing and printing periodicals, publishing and printing books and pamphlets. Other forms of publishing not elsewhere classified, such as, atlases, business service newsletters, calendars, catalogs, directories, guides, maps and map globe covers, paper patterns, race track programs, racing forms, sheet music, shopping news, technical manuals and papers, telephone directories, and yearbooks, as well as the activity of micropublishing. This category also includes, commercial printing of magazines, postage stamps, dollar bills, calendars, fine art prints, wallpaper, catalogs, coupons, directories, newspaper advertising inserts, playing cards, postcards, gift wrap, and product packaging and wrappers, greeting cards, blank books, including checkbooks and books with ruling paper, and loose-leaf binders. Furthermore, these industries are also engaged in typesetting for the trade, including advertising typesetting, hand or machine composition, photocomposition, phototypesetting, computer-controlled typesetting, and typographic composition.

Agency: Environmental Record Search (ERS)

Phone Number: 8003772430

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

None Found

Hist-RV-Dealers

Trailer and Recreational Vehicle Dealers

Category: ERS Exclusive Historic Sources

Description: ERS has compiled proprietary lists of MILLIONS of records dating back to the 1800's that have shown up in historic resources and based on their classification, may have used hazardous materials or petroleum products. This listing includes sites such as: Trailer and Recreational Vehicle Dealers. This classification is comprised of establishments involved in the retail sale of new and used motor homes, recreational trailers, and campers (pickup coaches), motorcycles, motorboats and other watercraft, marine supplies, and outboard motors.

Agency: Environmental Record Search (ERS)

Phone Number: 8003772430

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

None Found

Hist-Salvage

Vehicle Salvage Yards or Wreckers

Category: ERS Exclusive Historic Sources

Description: ERS has compiled proprietary lists of MILLIONS of records dating back to the 1800's that have shown up in historic resources and based on their classification, may have used hazardous materials or petroleum products. This listing includes sites such as: Vehicle Salvage Yards or Wreckers.

Agency: Environmental Record Search (ERS)

Phone Number: 8003772430

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

None Found

Hist-Service Stations

Service Stations/Vehicle Fueling

Category: ERS Exclusive Historic Sources

Description: ERS has compiled proprietary lists of MILLIONS of records dating back to the 1800's that have shown up in historic resources and based on their classification, may have used hazardous materials or petroleum products. This listing includes sites such as: Service Stations/Vehicle Fueling Stations. This category includes gasoline service stations primarily engaged in selling gasoline and lubricating oils. These establishments frequently sell other merchandise, such as tires, batteries, and other automobile parts, or perform minor repair work.

Agency: Environmental Record Search (ERS)

Phone Number: 8003772430

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

None Found

Hist-SPILLS-AZ**Arizona Spills Reported**

Category: Emergency Release Reports

Description: This database includes the incidents identified in the Hazardous Material Logbook reported by the Arizona Department of Environmental Quality. The data only reports incidents prior to November 22, 2001.

Agency: Arizona Department of Environmental Quality

Phone Number: 6027714380

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

None Found

Hist-Transportation**Transportation Facilities**

Category: ERS Exclusive Historic Sources

Description: ERS has compiled proprietary lists of MILLIONS of records dating back to the 1800's that have shown up in historic resources and based on their classification, may have used hazardous materials or petroleum products. This listing includes sites such as: Airports and other facilities that may handle hazardous materials and petroleum products.

Agency: Environmental Record Search (ERS)

Phone Number: 8003772430

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

None Found

Hist-Trucking**Trucking, Shipping, Delivery, and/or Storage**

Category: ERS Exclusive Historic Sources

Description: ERS has compiled proprietary lists of MILLIONS of records dating back to the 1800's that have shown up in historic resources and based on their classification, may have used hazardous materials or petroleum products. This listing includes sites such as: Trucking, Shipping, and/or Delivery Storage. This category covers establishments primarily engaged in furnishing trucking or transfer services without storage for freight generally weighing more than 100 pounds, in a single municipality, contiguous municipalities, or a municipality and its suburban areas. This category also includes establishments primarily engaged in the delivery of individually addressed letters, parcels, and packages (generally under 100 pounds), except by means of air transportation or by the United States Postal Service. This category covers establishments primarily engaged in furnishing "over-the-road" trucking services or storage services, including household goods either as common carriers or under special or individual contracts or agreements, for freight generally weighing more than 100 pounds. This category also includes establishments primarily engaged in the warehousing and storage of special products, not elsewhere classified, such as household goods, automobiles (dead storage only), furs (for the trade), textiles, oil, chemicals, lumber, whiskey, and goods at foreign trade zones, farm products, perishable goods under refrigeration.

Agency: Environmental Record Search (ERS)

Phone Number: 8003772430

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

None Found

Hist-US

Previously Listed Federal Sites

Category: ERS Supplemental Govt Sources

Description: ERS has compiled records that have been previously listed in other agency databases. When ERS updates an agency database, if there is a record that was in the older version but the record is not found in the newer version, it is put into this database. The site may have been completely removed, or there was a significant change in the record such as Name, ID, or Address. The information from the old listing is preserved in this database along with which database it was originally in. It is also possible that it was moved from one database to another such as a LUST Open site receiving closure and now being listed in the LUST Closed database.

Agency: Environmental Record Search (ERS)

Phone Number: 8003772430

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

None Found

Hist-US-EC

Engineering Controls Sites List

Category: Federal Inst/Eng Controls

Description: This database contains a listing of Voluntary Action Program Sites with Engineering Controls placed on them and were identified by the Environmental Protection Agency.

Agency: Environmental Protection Agency

Phone Number: 8004249346

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.5 miles

Sites:

None Found

Hist-US-IC

Sites with Institutional Controls

Category: Federal Inst/Eng Controls

Description: This database contains a listing of Voluntary Action Program Sites with Institutional Controls placed on them and were identified by the Environmental Protection Agency.

Agency: Environmental Protection Agency

Phone Number: 8004249346

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.5 miles

Sites:

None Found

Hist-Vehicle-Parts

Vehicle Parts

Category: ERS Exclusive Historic Sources

Description: ERS has compiled proprietary lists of MILLIONS of records dating back to the 1800's that have shown up in historic resources and based on their classification, may have used hazardous materials or petroleum products. This listing includes sites such as: Vehicle Parts Dealers. This category includes establishments primarily engaged in the retail sale of new automobile tires, batteries, and other automobile parts and accessories.

Agency: Environmental Record Search (ERS)

Phone Number: 8003772430

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

None Found

HMIS-US

Hazardous Materials Information System

Category: Federal Emergency Release Reports

Description: Data includes spills, releases, or other incidents involving hazardous materials in commerce during the course of transportation. All modes of transportation are included except pipeline and bulk marine transportation. Data represent a census of all incidents reportable to the U.S. Department of Transportation This database contains a listing of spills. (DOT). U.S. federal regulations require all spills meeting the following criteria to be reported, in writing, to DOT's Office of Hazardous Materials Safety.

Agency: US Department of Transportation Pipeline and Hazardous Materials Safety Administration

Phone Number: 2023664433

Date last updated: 3/8/2015

Date last checked: 3/2/2015

Distance searched: 0.25 miles

Sites:

None Found

ICIS-FEC-US

Integrated Compliance Information System for Federal Enforcement Data

Category: ERS Supplemental Govt Sources

Description: The Integrated Compliance Information System (ICIS) tracks all formal administrative and judicial enforcement actions taken by the U.S. EPA and is used as the system of record to provide official enforcement data.

Agency: Environmental Protection Agency

Phone Number: 2025646962

Date last updated: 11/24/2014

Date last checked: 11/24/2014

Distance searched: 0.5 miles

Sites:

None Found

ICIS-NPDES-US

National Pollutant Discharge Elimination System (NPDES)

Category: ERS Supplemental Govt Sources

Description: The National Pollutant Discharge Elimination System (NPDES) permit program controls water pollution by regulating point sources that discharge pollutants into waters of the United States. This database contains a listing of permit holders.

Agency: United States Environmental Protection Agency

Phone Number: 2022720167

Date last updated: 2/17/2015

Date last checked: 2/27/2015

Distance searched: 0.25 miles

Sites:

None Found

Lead-US

Lead Smelter Sites

Category: ERS Supplemental Govt Sources

Description: This database contains lead smelter sites reported by the Environmental Protection Agency.

Agency: Environmental Protection Agency

Phone Number: 2025645962

Date last updated: 11/21/2014

Date last checked: 11/21/2014

Distance searched: 0.25 miles

Sites:

None Found

LIENS-US

Federal LIEN Sites

Category: Federal Inst/Eng Controls

Description: This database contains sites that have had Federal Liens filed on them as reported by the EPA.

Agency: U.S. Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 3/2/2015

Date last checked: 3/2/2015

Distance searched: 0.5 miles

Sites:

None Found

LUST-Closed-AZ

Leaking Underground Storage Tanks, Closed Cases

Category: State/Tribal LUST

Description: This database contains a listing of LUST Closed cases where remediation cleanup is complete.

Agency: Arizona Department of Environmental Quality

Phone Number: 6027712300

Date last updated: 2/4/2015

Date last checked: 2/4/2015

Distance searched: 0.5 miles

Sites:

None Found

LUST-Open-AZ

Leaking Underground Storage Tanks, Open Cases

Category: State/Tribal LUST

Description: This database contains a listing of Open LUST cases where remediation cleanup is not complete.

Agency: Arizona Department of Environmental Quality

Phone Number: 6027712300

Date last updated: 2/4/2015

Date last checked: 2/4/2015

Distance searched: 0.5 miles

Sites:

None Found

Manifest2-NY

Hazardous Waste Manifest

Category: State/Tribal RCRA Equivalent

Description: The New York Department of Environmental Conservation, Hazardous Waste Manifest System lists sites from all over the country, not just New York. To be thorough, ERS has searched the data subset that includes Arizona sites for listings on or near the subject site that are listed in the New York Department of Environmental Conservation, Hazardous Waste Manifest System.

Agency: New York State Department of Environmental Conservation

Phone Number: 5184028730

Date last updated: 12/9/2014

Date last checked: 12/5/2014

Distance searched: 0.25 miles

Sites:

None Found

Manifest2-RI

Hazardous Waste Manifest

Category: State/Tribal RCRA Equivalent

Description: The Rhode Island Department of Environmental Management, Hazardous Waste Manifest System lists sites from all over the country, not just Rhode Island. To be thorough, ERS has searched the data subset that includes Arizona sites for listings on or near the subject site that are listed in the Rhode Island Department of Environmental Management, Hazardous Waste Manifest System.

Agency: Rhode Island Department of Environmental Management

Phone Number: 4012222797

Date last updated: 12/16/2014

Date last checked: 12/16/2014

Distance searched: 0.25 miles

Sites:

None Found

Mines-AZ

Arizona Mines

Category: ERS Supplemental Govt Sources

Description: This database contains arizona mine sites reported by the Arizona State Land Department.

Agency: Arizona State Land Department.

Phone Number: 6025424631

Date last updated: 9/10/2014

Date last checked: 10/27/2014

Distance searched: 0.25 miles

Sites:

None Found

MINES-US

Mines Master Index File

Category: ERS Supplemental Govt Sources

Description: The Master Index file contains mine identification numbers issued for mines active or opened since 1971.

Agency: United States Department of Labor

Phone Number: 8777786055

Date last updated: 11/24/2014

Date last checked: 11/21/2014

Distance searched: 0.25 miles

Sites:

None Found

MLTS-US

Material Licensing Tracking System

Category: ERS Supplemental Govt Sources

Description: This database contains facilities listed on the Material Licensing Tracking system that possess or use radioactive materials as reported by the U.S. Nuclear Regulatory Commission.

Agency: U.S. Nuclear Regulatory Commission

Phone Number: 3014157169

Date last updated: 12/18/2014

Date last checked: 12/18/2014

Distance searched: 0.25 miles

Sites:

None Found

MRDS-US

Mineral Resources Data System (MRDS)

Category: ERS Supplemental Govt Sources

Description: MRDS is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references.

Agency: U.S. Geologic Survey

Phone Number: 8882758747

Date last updated: 10/14/2014

Date last checked: 10/10/2014

Distance searched: 0.25 miles

Sites:

None Found

NPDES-AZ

National Pollutant Discharge Elimination System (NPDES)

Category: ERS Supplemental Govt Sources

Description: This database contains a listing of National Pollutant Discharge Elimination System (NPDES) permit program facilities.

Agency: Arizona Department of Environmental Quality

Phone Number: 6027714334

Date last updated: 10/27/2014

Date last checked: 10/27/2014

Distance searched: 0.25 miles

Sites:

None Found

NPL-US

National Priorities List

Category: Federal NPL

Description: The National Priorities List is the list of national priorities among the known releases or threatened releases of hazardous substances, pollutants, or contaminants throughout the United States and its territories. The NPL is intended primarily to guide the EPA in determining which sites warrant further investigation. This database contains a listing of NPL sites.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 11/21/2014

Date last checked: 2/27/2015

Distance searched: 1 mile

Sites:

None Found

OGW-AZ

Arizona Oil and Gas Wells

Category: ERS Supplemental Govt Sources

Description: This database contains a listing of Oil and Gas Wells identified by the Arizona Geological Survey.

Agency: Arizona Geological Survey

Phone Number: 5207703500

Date last updated: 10/27/2014

Date last checked: 10/27/2014

Distance searched: 0.25 miles

Sites:

None Found

Oil-Centers-AZ

Used Oil Collection Centers

Category: State/Tribal ASTM Other

Description: This database contains a listing of registered Used Oil Collection Centers in Arizona.

Agency: Arizona Department of Environmental Quality

Phone Number: 6027714140

Date last updated: 2/4/2015

Date last checked: 2/4/2015

Distance searched: 0.5 miles

Sites:

None Found

PADS-US

PCB Registration Database System

Category: Federal ASTM Other

Description: This database contains a listing of generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Agency: Environmental Protection Agency

Phone Number: 2025660500

Date last updated: 3/2/2015

Date last checked: 3/2/2015

Distance searched: 0.5 miles

Sites:

None Found

PCB-US

PCB Transformers

Category: Federal ASTM Other

Description: PCB Transformer Registration Database. This database indicates the best known current status of registered PCB transformers

Agency: U.S Environmental Protection Agency

Phone Number: 7033088404

Date last updated: 3/2/2015

Date last checked: 3/2/2015

Distance searched: 0.25 miles

Sites:

None Found

PCS-US

Permit Compliance System for Clean Water Act

Category: ERS Supplemental Govt Sources

Description: PCS is an information management system maintained by the Office of Compliance to track permit compliance and enforcement status of facilities regulated by the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act. PCS is designed to support the NPDES program at the state, regional, and national levels.

Agency: Environmental Protection Agency

Phone Number: 2025640221

Date last updated: Historical Database

Date last checked: N/A

Distance searched: 0.25 miles

Sites:

None Found

RADINFO-US

Radiation Information Database

Category: ERS Supplemental Govt Sources

Description: This database contains a listing of facilities that are regulated by the US EPA regulations for radiation and radioactivity.

Agency: Environmental Protection Agency

Phone Number: 2023439775

Date last updated: 12/23/2014

Date last checked: 12/23/2014

Distance searched: 0.5 miles

Sites:

None Found

RCRA-CESQG-US

Resource Conservation and Recovery Act, Conditionally Exempt Small Quantity Generators

Category: Federal RCRA Generators

Description: The primary goals of RCRA are to: Protect human health and the environment from the potential hazards of waste disposal. Conserve energy and natural resources. Reduce the amount of waste generated. Ensure that wastes are managed in an environmentally sound manner. This database contains a listing of Conditionally Exempt Small Quantity Generators.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 11/17/2014

Date last checked: 9/17/2014

Distance searched: 0.25 miles

Sites:

None Found

RCRA-COR-US

Resource Conservation and Recovery Act - Corrective Actions

Category: Federal RCRA CORRACTS

Description: The primary goals of RCRA are to: Protect human health and the environment from the potential hazards of waste disposal. Conserve energy and natural resources. Reduce the amount of waste generated. Ensure that wastes are managed in an environmentally sound manner.

EPA estimates that between 50 and 70 percent of all TSDFs have some degree of environmental contamination requiring detailed investigation and perhaps cleanup. Under a program entitled Corrective Action, EPA has the statutory authority to require permitted and interim status TSDFs to clean up hazardous waste contamination. This database contains a listing of sites that have had corrective action.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346
Date last updated: 11/17/2014
Date last checked: 9/17/2014
Distance searched: 1 mile
Sites:
None Found

RCRA-LQG-US

Resource Conservation and Recovery Act, Large Quantity Generators

Category: Federal RCRA Generators

Description: The primary goals of RCRA are to: Protect human health and the environment from the potential hazards of waste disposal. Conserve energy and natural resources. Reduce the amount of waste generated. Ensure that wastes are managed in an environmentally sound manner. This database contains a listing of Large Quantity Generators.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346
Date last updated: 11/17/2014
Date last checked: 9/17/2014
Distance searched: 0.25 miles

Sites:
None Found

RCRA-NON-US

Resource Conservation and Recovery Act

Category: Federal RCRA Generators

Description: The primary goals of RCRA are to: Protect human health and the environment from the potential hazards of waste disposal. Conserve energy and natural resources. Reduce the amount of waste generated. Ensure that wastes are managed in an environmentally sound manner. This database contains a listing of RCRA Non-Hazardous generators.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346
Date last updated: 11/17/2014
Date last checked: 9/17/2014
Distance searched: 0.25 miles

Sites:
None Found

RCRA-SQG-US

Resource Conservation and Recovery Act, Small Quantity Generators

Category: Federal RCRA Generators

Description: The primary goals of RCRA are to: Protect human health and the environment from the potential hazards of waste disposal. Conserve energy and natural resources. Reduce the amount of waste generated. Ensure that wastes are managed in an environmentally sound manner. This database contains a listing of Small Quantity Generators.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 11/17/2014

Date last checked: 9/17/2014

Distance searched: 0.25 miles

Sites:

None Found

RCRA-TSD-US

Resource Conservation and Recovery Act - Treatment, Storage, and Disposal sites

Category: Federal RCRA non-CORRACTS TSD

Description: The primary goals of RCRA are to: Protect human health and the environment from the potential hazards of waste disposal. Conserve energy and natural resources. Reduce the amount of waste generated. Ensure that wastes are managed in an environmentally sound manner.

This database contains a listing of Treatment, Storage and Disposal Facilities - Facilities that receive hazardous waste from generators or other facilities for treatment, storage or disposal of waste are known as TSDFs.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 11/17/2014

Date last checked: 9/17/2014

Distance searched: 0.5 miles

Sites:

None Found

RemOther-Closed-AZ

Remediation Other Sites

Category: State/Tribal ASTM Other

Description: Sites reported by the Arizona Department of Environmental Quality where the owner has elected to remediate the property without the use of an institutional or engineering control.

Agency: Arizona Department of Environmental Quality

Phone Number: 6027714397

Date last updated: 2/4/2015

Date last checked: 2/4/2015

Distance searched: 0.5 miles

Sites:

None Found

RemOther-Open-AZ

Remediation Other Sites

Category: State/Tribal ASTM Other

Description: Sites reported by the Arizona Department of Environmental Quality where the owner has elected to remediate the property without the use of an institutional or engineering control.

Agency: Arizona Department of Environmental Quality

Phone Number: 6027714397
Date last updated: 2/4/2015
Date last checked: 2/4/2015
Distance searched: 0.5 miles
Sites:
None Found

RFG-Lab-US

Reformulated Gasoline (RFG)

Category: ERS Supplemental Govt Sources

Description: This database includes the list of registered Reformulated Gasoline Laboratories.

Agency: Environmental Protection Agency, United States

Phone Number: 2023439303

Date last updated: 3/2/2015

Date last checked: 3/2/2015

Distance searched: 0.25 miles

Sites:
None Found

RMP-US

Risk Management Plans

Category: ERS Supplemental Govt Sources

Description: This database contains facilities that have developed risk management plans as reported by the Environmental Protection Agency. The System for Risk Management Plans (SRMP) is a suite of electronic systems containing information relating to risk management plans submitted by facilities in accordance with the Clean Air Act, Section 112(r). Affected facilities are to develop risk management programs which will prevent and minimize consequences of accidental releases of certain hazardous chemicals that could harm public health and the environment.

Agency: Environmental Protection Agency

Phone Number: 2025642491

Date last updated: 3/12/2015

Date last checked: 3/2/2015

Distance searched: 0.25 miles

Sites:
None Found

ROD-US

Records of Decision

Category: ERS Supplemental Govt Sources

Description: The Record of Decision (ROD) is a public document that explains which cleanup alternatives will be used to clean up a Superfund site. The ROD for sites listed on the NPL (NPL Site Listing Process) is created from information generated during the Remedial Investigation/Feasibility Study (RI/FS). A ROD contains site history, site description, site characteristics, community participation, enforcement activities, past and present activities, contaminated media, the contaminants present, scope and role of response action and the remedy selected for cleanup. This database contains a listing of sites with RODs.

Agency: Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 3/2/2015

Date last checked: 3/2/2015

Distance searched: 0.5 miles

Sites:

None Found

SAA-Agreements-US

Sites with Superfund Alternative Approach Agreements

Category: Federal ASTM Other

Description: This database contains sites that have a Superfund Alternative agreement. The Superfund alternative (SA) approach uses the same investigation and cleanup process and standards that are used for sites listed on the NPL. The SA approach is an alternative to listing a site on the NPL; it is not an alternative to Superfund or the Superfund process.

Agency: Environmental Protection Agency

Phone Number: 2025645110

Date last updated: 3/2/2015

Date last checked: 3/2/2015

Distance searched: 1 mile

Sites:

None Found

SDWIS-US

Safe Drinking Water Information System

Category: ERS Supplemental Govt Sources

Description: This database contains the Safe Drinking Water Information including Public Water, Source and Treatment, Enforcements and Violations reported by the United States Environmental Protection Agency.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 3/11/2015

Date last checked: 3/10/2015

Distance searched: 0.25 miles

Sites:

None Found

SS-AZ

Superfund Sites

Category: State/Tribal CERCLIS Equivalent

Description: This database contains superfund sites in Arizona. The data is provided by the University of Arizona Institutional Repository and last updated in 1997.

Agency: United States Environmental Protection Agency

Phone Number: 2022607301

Date last updated: 2/4/2015

Date last checked: 2/4/2015

Distance searched: 0.5 miles

Sites:

None Found

SSTS-US**Section 7 Tracking System**

Category: ERS Supplemental Govt Sources

Description: This database contains a listing of EPA-registered domestic pesticide-producing and device producing establishments and the pesticides produced based on data in the Section Seven Tracking System.

Agency: Environmental Protection Agency

Phone Number: 2025644203

Date last updated: 12/24/2014

Date last checked: 1/1/2015

Distance searched: 0.25 miles

Sites:

None Found

SWT-AZ**Special Waste Transporter List**

Category: ERS Supplemental Govt Sources

Description: This database contains special waste transporter sites as reported by the Arizona Department of Environmental Quality. Special waste is classified as waste that contains petroleum contaminated soils and waste from shredding motor vehicles.

Agency: Arizona Department of Environmental Quality

Phone Number: 6027712221

Date last updated: 2/4/2015

Date last checked: 2/4/2015

Distance searched: 0.25 miles

Sites:

None Found

Transfer-AZ**Transfer Stations**

Category: State/Tribal Landfill/Solid Waste

Description: This database contains active transfer stations as reported by the Arizona Department of Environmental Quality.

Agency: Arizona Department of Environmental Quality

Phone Number: 6027712221

Date last updated: 2/4/2015

Date last checked: 2/4/2015

Distance searched: 0.5 miles

Sites:

None Found

Tribal-Air-US

Tribal Air Permitted Facilities

Category: Federal ASTM Other

Description: This database contains tribal locations that have been issued air permits as reported by the US Environmental Protection Agency. At this time the database includes region 2, 5, 7, 8, 9, 10.

Agency: United States Environmental Protection Agency

Phone Number: 3123532000

Date last updated: 1/21/2015

Date last checked: 1/21/2015

Distance searched: 0.5 miles

Sites:

None Found

Tribal-BF-US

Tribal Brownfields

Category: Federal Brownfield

Description: This database contains a listing of Brownfields on Native American Land identified by the United States Environmental Protection Agency.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 5/16/2014

Date last checked: 5/16/2014

Distance searched: 0.5 miles

Sites:

None Found

Tribal-LUST-Closed-Reg9

Tribal Leaking Underground Storage Tanks

Category: Federal LUST

Description: This database contains a listing of Leaking Underground Storage Tanks on Native American Land identified by the United States Environmental Protection Agency in Region 9.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 3/27/2015

Date last checked: 3/27/2015

Distance searched: 0.5 miles

Sites:

None Found

Tribal-LUST-Open-Reg9

Tribal Leaking Underground Storage Tanks

Category: Federal LUST

Description: This database contains a listing of Leaking Underground Storage Tanks on Native American Land identified by the United States Environmental Protection Agency in Region 9.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 3/27/2015

Date last checked: 3/27/2015

Distance searched: 0.5 miles

Sites:

None Found

Tribal-ODI-US

Tribal Open Dump Sites

Category: Federal Solid Waste

Description: This database contains a listing of Open Dump Sites on Native American Land identified by the Indian Health Service

Agency: Indian Health Service

Phone Number: 3014431046

Date last updated: 5/19/2014

Date last checked: 5/16/2014

Distance searched: 0.5 miles

Sites:

None Found

Tribal-UST-Reg9

Tribal Underground Storage Tanks

Category: Federal UST

Description: This database contains a listing of Underground Storage Tanks on Native American Land identified by the United States Environmental Protection Agency in Region 9.

Agency: United States Environmental Protection Agency

Phone Number: 8004249346

Date last updated: 3/27/2015

Date last checked: 3/27/2015

Distance searched: 0.25 miles

Sites:

None Found

Tribal-VCP-US**Tribal VCP****Category:** Federal Tribal VCP**Description:** This database contains voluntary cleanup sites located in tribal land as reported by the United States Environmental Protection Agency.**Agency:** United States Environmental Protection Agency**Phone Number:** 8004249346**Date last updated:** 6/27/2014**Date last checked:** 6/24/2014**Distance searched:** 0.5 miles**Sites:**

None Found

TRIS2000-US**Toxics Release Inventory System****Category:** ERS Supplemental Govt Sources**Description:** TRIS is a EPA database reported annually by certain covered industry groups, as well as federal facilities. It contains information about more than 650 toxic chemicals that are being used, manufactured, treated, transported, or released into the environment, and includes information about waste management and pollution prevention activities. This database contains a listing of facilities that reported in the years between 2000-2009.**Agency:** Environmental Protection Agency**Phone Number:** 8004249346**Date last updated:** 10/13/2014**Date last checked:** 10/9/2014**Distance searched:** 0.25 miles**Sites:**

None Found

TRIS2010-US**Toxics Release Inventory System****Category:** ERS Supplemental Govt Sources**Description:** TRIS is a EPA database reported annually by certain covered industry groups, as well as federal facilities. It contains information about more than 650 toxic chemicals that are being used, manufactured, treated, transported, or released into the environment, and includes information about waste management and pollution prevention activities. This database contains a listing of facilities that reported in the years between 2010-2012.**Agency:** Environmental Protection Agency**Phone Number:** 8004249346**Date last updated:** 10/13/2014**Date last checked:** 10/9/2014**Distance searched:** 0.25 miles**Sites:**

None Found

TRIS80-US**Toxics Release Inventory System****Category:** ERS Supplemental Govt Sources**Description:** TRIS is a EPA database reported annually by certain covered industry groups, as well as federal facilities. It contains information about more than 650 toxic chemicals that are being used, manufactured, treated, transported, or released into the environment, and includes information about waste management and pollution prevention activities. This database contains a listing of facilities that reported in the years between 1987-1989.**Agency:** Environmental Protection Agency**Phone Number:** 8004249346**Date last updated:** 10/13/2014**Date last checked:** 10/9/2014**Distance searched:** 0.25 miles**Sites:**

None Found

TRIS90-US**Toxics Release Inventory System****Category:** ERS Supplemental Govt Sources**Description:** TRIS is a EPA database reported annually by certain covered industry groups, as well as federal facilities. It contains information about more than 650 toxic chemicals that are being used, manufactured, treated, transported, or released into the environment, and includes information about waste management and pollution prevention activities. This database contains a listing of facilities that reported in the years between 1990-1999.**Agency:** Environmental Protection Agency**Phone Number:** 8004249346**Date last updated:** 10/13/2014**Date last checked:** 10/9/2014**Distance searched:** 0.25 miles**Sites:**

None Found

TSCA-US**Toxics Substance Control Sites****Category:** ERS Supplemental Govt Sources**Description:** TSCA addresses the production, importation, use, and disposal of specific chemicals including polychlorinated biphenyls (PCBs), asbestos, radon and lead-based paint. This database contains a listing of these facilities.**Agency:** U.S. Environmental Protection Agency**Phone Number:** 2025642501**Date last updated:** 11/24/2014**Date last checked:** 11/21/2014**Distance searched:** 0.25 miles

Sites:

None Found

UIC-AZ**Underground Injection Control Wells**

Category: ERS Supplemental Govt Sources

Description: This database contains Underground Injection Control Wells reported by the Arizona Geological Survey.

Agency: Arizona Geological Survey.

Phone Number: 5207703500

Date last updated: 2/3/2015

Date last checked: 3/21/2014

Distance searched: 0.25 miles

Sites:

None Found

USGS-Waterwells-US**Ground Water Site Inventory**

Category: ERS Supplemental Govt Sources

Description: This database contains a listing of wells, springs, test holes, tunnels, drains, and excavations reported by the United States Geological Survey, Water Resources Program.

Agency: United States Geological Survey, Water Resources Program

Phone Number: 9162783000

Date last updated: 5/15/2014

Date last checked: 5/15/2014

Distance searched: 0.25 miles

Sites:

None Found

UST-AZ**Underground Storage Tanks**

Category: State/Tribal UST

Description: This database contains a listing of Registered Underground Storage Tanks in Arizona.

Agency: Arizona Department of Environmental Quality

Phone Number: 6027712300

Date last updated: 2/3/2015

Date last checked: 2/3/2015

Distance searched: 0.25 miles

Sites:

None Found

Vapor-Intrusions-US**Vapor Intrusion Database**

Category: ERS Supplemental Govt Sources

Description: This database contains the vapor intrusion database as reported by the Environmental Protection Agency.

Agency: Environmental Protection Agency

Phone Number: 7033057411

Date last updated: 10/3/2014

Date last checked: 9/26/2014

Distance searched: 0.5 miles

Sites:

None Found

VCP-Closed-AZ

Voluntary Cleanup Program Sites, Closed Cases

Category: State/Tribal Voluntary Cleanup Sites

Description: This database contains a listing of Voluntary Cleanup Program Sites where the contamination on the property has been cleaned up.

Agency: Arizona Department of Environmental Quality

Phone Number: 6027714153

Date last updated: 8/19/2014

Date last checked: 10/27/2014

Distance searched: 0.5 miles

Sites:

None Found

VCP-Open-AZ

Voluntary Cleanup Program Sites, Open Cases

Category: State/Tribal Voluntary Cleanup Sites

Description: This database contains a listing of Voluntary Cleanup Program Sites where the contamination on the property has been cleaned up.

Agency: Arizona Department of Environmental Quality

Phone Number: 6027714153

Date last updated: 8/19/2014

Date last checked: 10/27/2014

Distance searched: 0.5 miles

Sites:

None Found

Waste-tire-AZ

Waste Tire Sites

Category: ERS Supplemental Govt Sources

Description: This database contains a listing of Waste Tire Sites registered through the Arizona Department of Environmental Quality.

Agency: Arizona Department of Environmental Quality

Phone Number: 602-771-41

Date last updated: 10/30/2014

Date last checked: 10/30/2014

Distance searched: 0.5 miles

Sites:

None Found

Wells-AZ

Arizona Wells

Category: ERS Supplemental Govt Sources

Description: This database contains a listing of Arizona wells.

Agency: Arizona Department of Water Resources

Phone Number: 6027718640

Date last updated: 10/30/2014

Date last checked: 10/30/2014

Distance searched: 0.25 miles

Sites:

JANET A BARTON

MapID: [1](#) Listed

WQARF-AZ

Water Quality Assurance Revolving Fund Sites

Category: State/Tribal NPL

Description: The program identifies sites that are most in need of cleanup and adds them to the WQARF Registry. Sites on the Registry receive first consideration for distribution of funds.

Agency: Arizona Department of Environmental Quality

Phone Number: 6027714401

Date last updated: 2/4/2015

Date last checked: 2/4/2015

Distance searched: 1 mile

Sites:

None Found

UN-MAPPABLE OCCURRENCES

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

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

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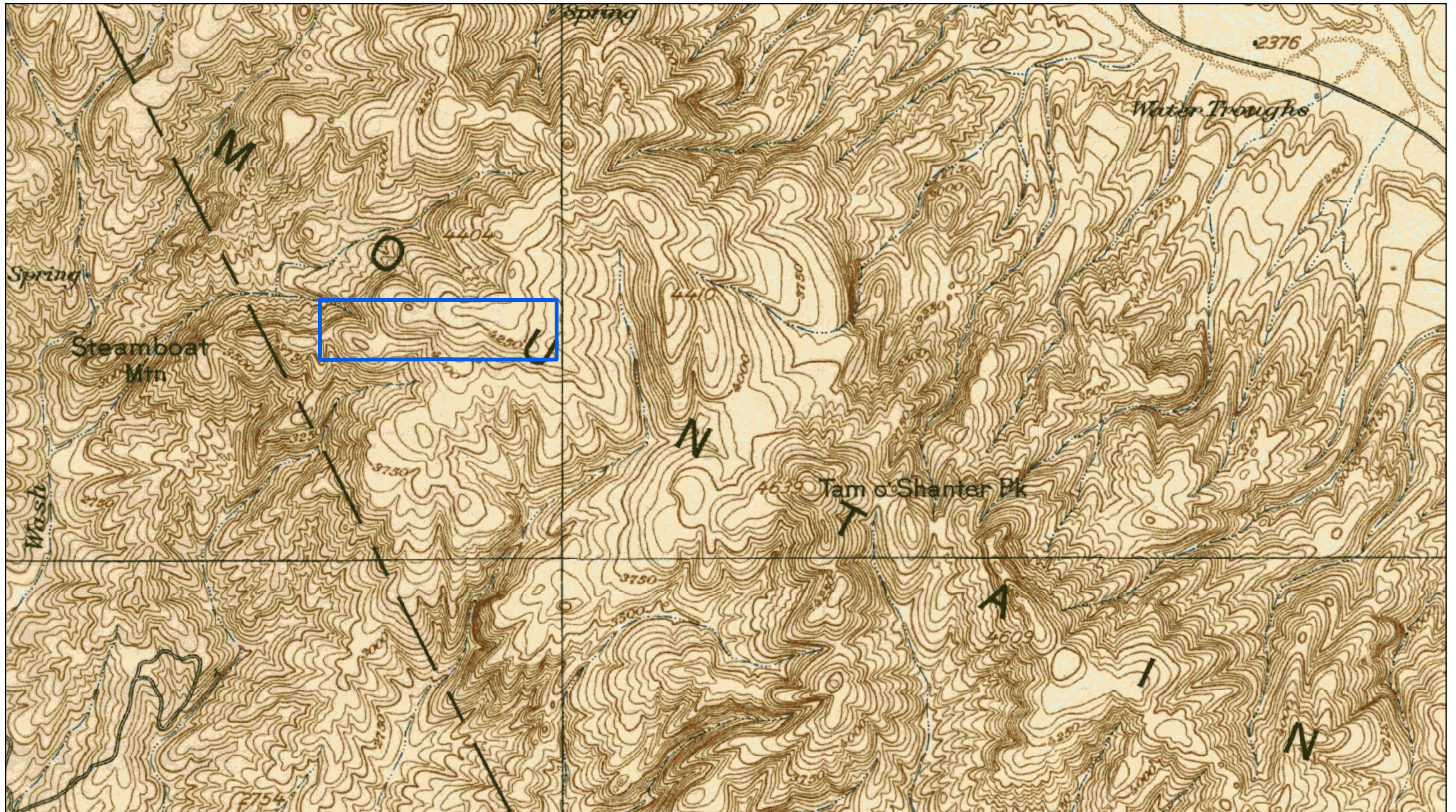
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APPENDIX E

HISTORICAL TOPOGRAPHIC MAPS

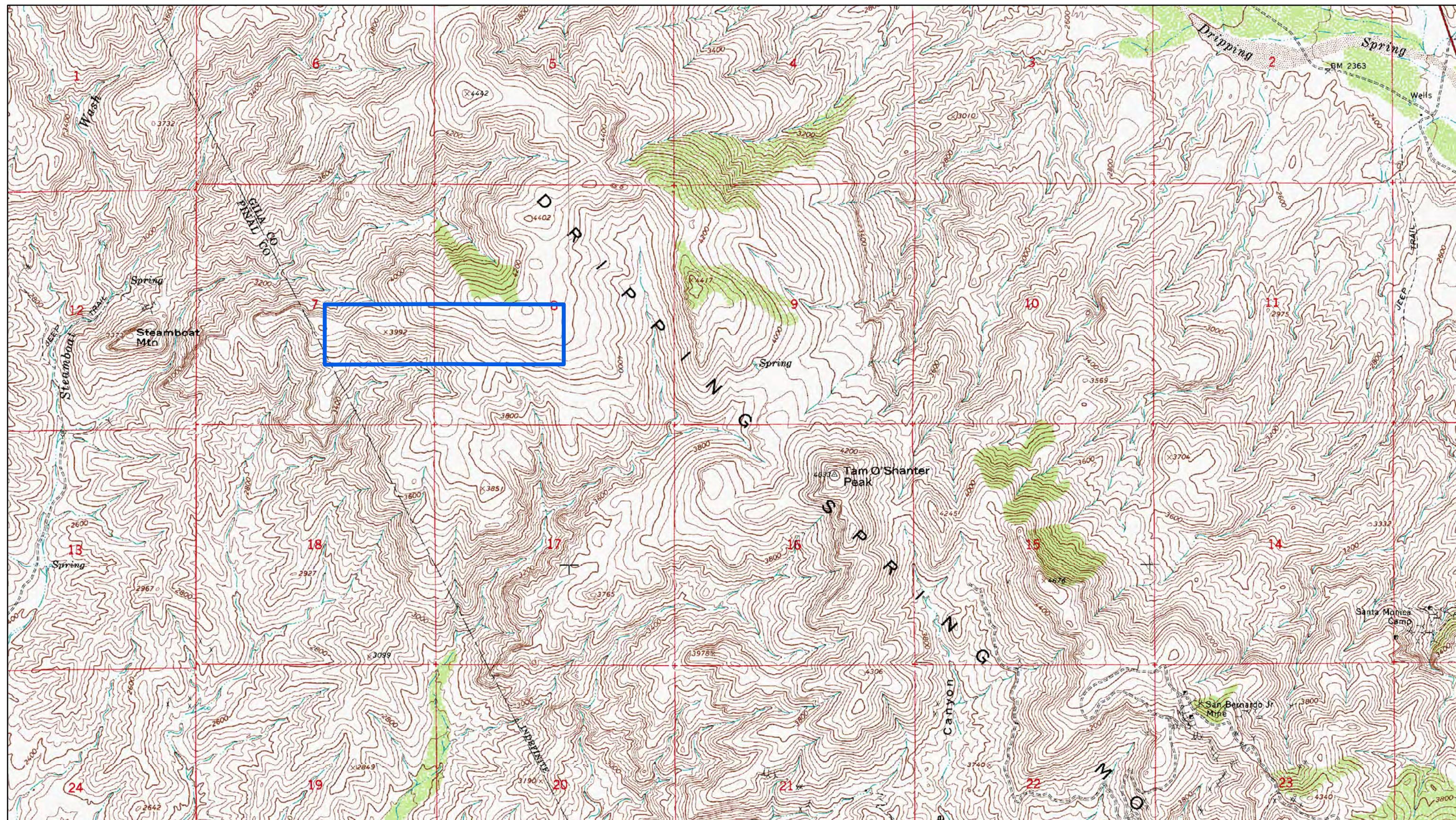


Legend

 Dripping Springs Parcel



0 1,000 2,000
 Feet



Legend

 Dripping Springs Parcel




0 1,000 2,000
Feet

APPENDIX F


HISTORICAL AERIAL PHOTOGRAPHS

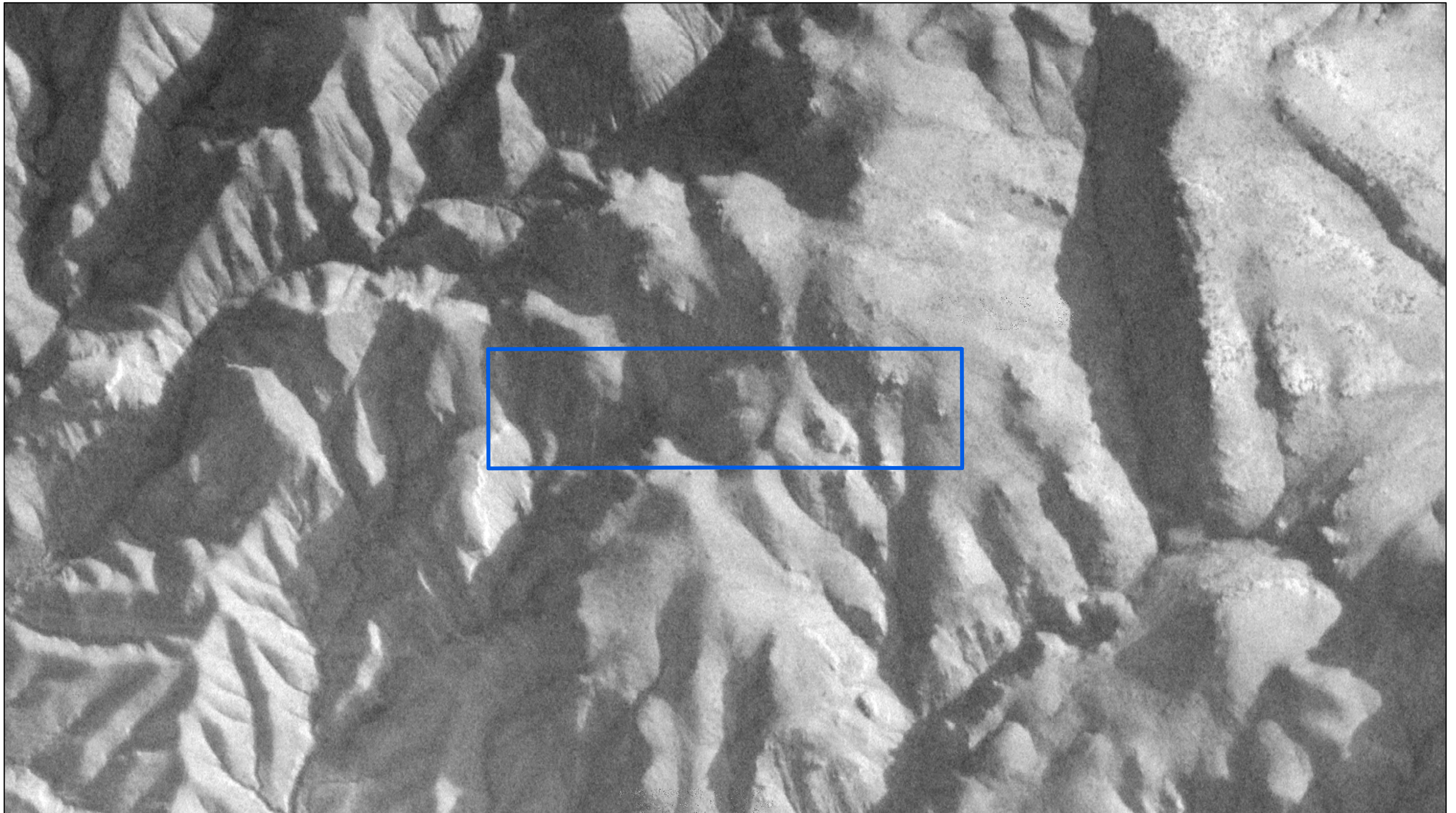


Legend


 Dripping Springs Parcel




0 500 1,000
 Feet



Legend

 Dripping Springs Parcel



0 500 1,000
 Feet

APPENDIX G

**GILA COUNTY
ASSESSOR RECORD
MAPS**

T4S R15E

SEE MAP 102-36

101-01
1 of 2

UPDATED 5-26-06



SEE MAP 101 INDEX



SCALE = 1" = 2000'

(C) = CALCULATED
(R) = RECORDED

"FOR INFORMATION ONLY. NO LIABILITY ASSUMED."

GILA COUNTY ASSESSOR

APPENDIX H

GILA COUNTY PROPERTY REPORTS

Gila County Property Report

Friday, June 12, 2015

Account # : R000000004	Parcel # : 101-01-005	-	Appraisal Year : 2015
Acct Type : Agricultural	Tax District : 4100	Map # : 01	Parcel Size : 80.00 acres

Owner Name and Address :

SWIFT CURRENT LAND & CATTLE LLC PO BOX 1944 SUPERIOR AZ 85173

Property Location :

DRIPPING SPRINGS RANCH WINKELMAN AZ 85192-0000	No # MH Space
---	------------------

Business/Complex :**Property Sales History**

Sale Date	Doc Date	Book	Page	Type	Amount	Grantor	Grantee
2/5/2007	2/5/2007	-	1723	WD	\$250,000.00	DRIPPING SPRINGS RANCH LLC	SWIFT CURRENT LAND & CATTLE LLC

Legal Description :

PART OF THE PAT # N2 SE4 SEC 7 4S 15E BK 66/83 80AC

Building Count :

No Records Returned

Valuation:

Value Method:	Market	Full Cash Value (FCV):	\$2,313.00	Use Code:	4710
		Limited Value (LPV):	\$1,663.00	Property Use:	4710-RANCH PROPERTY
Assessment Ratio:	16.00 %	Assessed FCV:	\$370.00		
		Assessed LPV:	\$370.00		

Disclaimer:

The Assessor's Office has compiled information on this website that it uses to identify, classify, and value real and personal property. This website is not updated in 'real time.' The Assessor does not guarantee that any information provided on this website is accurate, complete, or current. The information provided on this site is not equivalent of a title report or a real estate survey. Users should independently research, investigate, and verify all information before relying on it or in the preparation of legal documents. Please contact (928) 402-8714 if you believe any information is incomplete, out of date, or incorrect so that the appropriate correction can be addressed. Please note that a statutory process is available to correct errors pursuant to Arizona Revised Statutes 42-16254

Gila County Property Report

Friday, June 12, 2015

Account # : R000000005	Parcel # : 101-01-006	-	Appraisal Year : 2015
Acct Type : Agricultural	Tax District : 4100	Map # : 01	Parcel Size : 80.00 acres

Owner Name and Address :

SWIFT CURRENT LAND & CATTLE LLC PO BOX 1944 SUPERIOR AZ 85173

Property Location :

DRIPPING SPRINGS RANCH WINKELMAN AZ 85192-0000	No # MH Space
---	------------------

Business/Complex :**Property Sales History**

Sale Date	Doc Date	Book	Page	Type	Amount	Grantor	Grantee
2/5/2007	2/5/2007	-	1723	WD	\$250,000.00	DRIPPING SPRINGS RANCH LLC	SWIFT CURRENT LAND & CATTLE LLC

Legal Description :

PART OF THE PAT # N2 SW4 SEC 8 4S 15E SPRING PERMITS 80AC

Building Count :**No Records Returned****Valuation:**

Value Method:	Market	Full Cash Value (FCV):	\$2,313.00	Use Code:	4710
		Limited Value (LPV):	\$1,663.00	Property Use:	4710-RANCH PROPERTY
Assessment Ratio:	16.00 %	Assessed FCV:	\$370.00		
		Assessed LPV:	\$370.00		

Disclaimer:

The Assessor's Office has compiled information on this website that it uses to identify, classify, and value real and personal property. This website is not updated in 'real time.' The Assessor does not guarantee that any information provided on this website is accurate, complete, or current. The information provided on this site is not equivalent of a title report or a real estate survey. Users should independently research, investigate, and verify all information before relying on it or in the preparation of legal documents. Please contact (928) 402-8714 if you believe any information is incomplete, out of date, or incorrect so that the appropriate correction can be addressed. Please note that a statutory process is available to correct errors pursuant to Arizona Revised Statutes 42-16254

APPENDIX I

RÉSUMÉS

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.

Project Role:

NEPA and Public Outreach

Special Expertise:

- Mining
- Water Resources
- Solid and Hazardous Wastes
- Environmental Site Assessments
- Manufacturing
- Oil and Gas
- Power
- Health and Safety

Education/Training:

- MA, Environmental Policy and Management, University of Denver, Colorado, 1995
- BA, Philosophy, Humboldt State University, California, 1980
- Additional coursework in hazardous materials management and wetlands science

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, underground storage tank investigations, solid and hazardous waste, and health and safety audit services. He has over 20 years of experience in federal and state environmental regulatory programs covering a broad range of business sectors.

Selected Experience:

United Verde Mine, Jerome, Arizona. Mr. Rife managed a Clean Water Act permitting project for site remediation activities required under a Consent Decree for this closed mine property. Technical work conducted by WestLand Resources, Inc. (WestLand) included a biological evaluation, archaeological studies, and a jurisdictional delineation. Mr. Rife completed a Clean Water Act Section 404 Nationwide Permit 38 preconstruction notification and secured authorization for the remediation project on behalf of client. He coordinated agency and client communications, including National Historic Preservation Act Section 106 consultation regarding potential impacts to the Jerome National Historic District.

Morenci Mine, Morenci, Arizona. Mr. Rife was the lead technical author of an Environmental Assessment, in accordance with US Army Corps of Engineers (Corps) requirements for a Clean Water Act Section 404 permit, of a stream diversion project necessary to accommodate mine expansion plans. Mr. Rife also prepared a

Supplemental Report detailing the existing environmental conditions, project, and anticipated project effects at the client's request to support an environmental impact statement-level National Environmental Policy Act (NEPA) evaluation if deemed necessary by the Corps.

Confidential Mine Site, Arizona. Mr. Rife conducted Environmental Site Assessments and Ecological Overview studies for a set of private properties contemplated for purchase by the client in anticipation of a land exchange for targeted public land property. He visited the sites to assess potential for environmental liabilities, compiled environmental setting information to combine with biological data from technical specialists, and authored reports. Mr. Rife also prepared a comprehensive permitting schedule to assist in planning a new underground mine and assisted the client in updating Environmental Management System for the site, using corporate guidelines.

Pinto Valley Mine, Globe, Arizona. Mr. Rife conducted an annual compliance evaluation and revised the site Stormwater Pollution Prevention Plan in accordance with new regulations. He is currently revising the facility's Mine Plan of Operations to consolidate previous authorized and unauthorized uses of Forest System land (Tonto National Forest), as well as proposed new uses, in one comprehensive authorization.

Miami Mine, Miami, Arizona. Mr. Rife has completed several projects at this site. He provided regulatory compliance support for site-wide Aquifer Protection Permit and was co-author of a Groundwater Sampling and Analysis Plan. He updated the site Spill Prevention, Control, and Countermeasures plan, in accordance with

Christopher E. Rife, MA

current regulations, for the numerous on-site aboveground storage tanks. Mr. Rife was also responsible for managing an ongoing habitat-monitoring program required for the Pinal Creek Group, which included invasive species control. He is currently managing a Clean Water Act Section 404 permit project for a new water pipeline from a treatment plant to the mine site.

Newmire Smelter Site, Telluride, Colorado. Mr. Rife managed a permitting project for site remediation activities required under an agreement with the State of Colorado. Technical work conducted by WestLand included a biological evaluation, archaeological studies, jurisdictional delineation, and site revegetation design after closure. Mr. Rife was instrumental in redesigning engineering plans for the remediation effort to avoid impacts to Waters of the United States, thereby avoiding a requirement for authorization under the Clean Water Act Section 404 program.

Satralloy Remediation Project; Steubenville, Ohio. Mr. Rife served as Project Manager for team conducting interim actions at and a remedial investigation/feasibility study (RI/FS) of an abandoned chromium smelter site in eastern Ohio. Assignments have included environmental support in regard to state and federal wetlands and waterways programs, and engineering support for infrastructure improvements to facilitate transportation to the site. Mr. Rife was the task manager for environmental support activities, including compliance with the Clean Water Act Section 404 program and Ohio EPA isolated wetlands permit program. Federal- and state-jurisdictional wetlands and waterbodies are present and may be filled by future project actions. If warranted by planned project activities, a preconstruction notification under Section 404 Nationwide Permit program (NWP 38, Cleanup of Toxic and Hazardous Waste) will be prepared for submittal to the USACE. Mr. Rife oversaw transportation-engineering assignments, including railroad and bridge design, to allow heavy equipment and materials to be transported to and from the site for the RI/FS. *Services provided at previous firm.*

Green Line Light Rail Service Northwest Extension; Cambridge, Somerville and Medford, Massachusetts. Mr. Rife assisted in preparing environmental documents for a mass transit project, including a final Environmental Assessment and Environmental Impact Report, in compliance with NEPA and Massachusetts Environmental Policy Act (MEPA) regulations for the Massachusetts Department of Transportation (MassDOT). The project will extend the existing Green Line subway service from Cambridge approximately 4 miles north to Medford. Working with design engineers and scientists, Mr. Rife prepared responses to comments on draft versions of the documents, and completed technical evaluations of the project's beneficial and adverse impacts to environmental justice and disability populations in compliance with NEPA requirements and Federal Transit Authority guidance. The project was determined to benefit environmental justice populations in the three municipalities through which the new service would pass, and not have a disproportionate adverse effect to those populations. *Services provided at previous firm.*

South Coast Rail Commuter Rail Extension; Fall River and New Bedford, Massachusetts. Mr. Rife completed technical evaluations of a MassDOT transit project's beneficial and adverse impacts to environmental justice populations, public open spaces, the visual environment, land use, and the social and economic environment in compliance with NEPA and MEPA regulations and guidance. The project proposes to extend commuter rail service from Boston approximately 50 miles south to Fall River and New Bedford. The technical evaluations were used by the USACE to prepare a Draft Environmental Impact Statement (DEIS) and Draft Environmental Impact Report (DEIR) in 2009. Mr. Rife updated these evaluations in 2012 and 2013 to support the USACE's preparation of a Final Environmental Impact Statement (FEIS) and Final Environmental Impact Report (FEIR), published in October 2013. For the FEIS/FEIR, Mr. Rife also assisted in preparing a technical evaluation of the project's impacts to biodiversity and prepared responses to comments on the DEIS/DEIR. The project was determined to benefit environmental justice populations in the ten communities through which the project would pass, and not have a disproportionate adverse effect to those populations. The project's impacts to other resources would vary by alternative. The project is expected to be bid for final design in 2014. *Services provided at previous firm.*

Project Role and Responsibilities:

*Environmental Planner
Project Manager*

Special Expertise:

- *Phase I and II Environmental Site Assessments, Preliminary Initial Site Assessments*
- *National Environmental Policy Act*
- *Scoping & Public Participation*
- *Public Disclosure/Public Reports*
- *Clean Water Act*
- *Endangered Species Act*
- *Riparian Habitat Evaluation*

Education/Training:

- *B.S., Regional Development, Cum Laude, University of Arizona*
- *ASTM Phase I and Phase II Environmental Site Assessments for Commercial Real Estate*
- *National Environmental Policy Act Compliance Workshop (EA/EIS)*
- *National Storm Water Quality Workshop*
- *Mine Safety and Health Administration Certification*

Professional Affiliations:

- *American Planning Association*
- *ASTM Committee E50 on Environmental Assessment, Risk*

Background:

Ms. Shiel is an environmental planner with experience in permitting and regulatory compliance related to the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and Water Quality Assurance Revolving Fund (WQARF), National Environmental Policy Act (NEPA), Clean Water Act (CWA), Endangered Species Act (ESA), City of Tucson environmental resource policy and other federal, state, and local programs. Ms. Shiel'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. Shiel 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, Ms. Shiel has assisted in the completion of numerous Phase I Environmental Site Assessments (ESAs) for various property types pursuant to ASTM standards E1527-05 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. Shiel 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.

Her experience with the 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. Shiel has completed professional training workshops for writing Environmental Impact Statements, Environmental Assessments, and

Finding of No Significant Impact documentation.

Her experience in obtaining CWA Section 404 and 401 permit authorization includes 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 (NWP), and individual permits (IPs) from the US Army Corps of Engineers.

Ms. Shiel has supported local 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 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 also completed multiple biological evaluations for threatened and endangered species and critical habitat in Cochise, Gila, Graham, La Paz, Maricopa, Pima, and Pinal counties.

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 Phase I ESAs for linear transportation projects involving potential real estate transactions including the Town of Marana's project replacing the Ina Road bridge crossing over the Santa Cruz River and the Pima County's Department of Transportation's roadway improvement project along Tanque Verde Road between Catalina Highway and Houghton Road.
- Completed several PISAs in anticipation of ADOT funding including the Town of Marana's project to improve Tangerine Road between Interstate-10 and La Canada, a project crossing into multiple jurisdictions including Pima County and the Town of Oro Valley; and the Town of Sahuarita's project replacing the Pima Mine Road bridge crossing over the Santa Cruz River.
- 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.
- Prepared Pollution Prevention Analysis and Plan (P2 Plan) for confidential mining client to minimize hazardous wastes being generated by the facility in accordance with Arizona Department of Environmental Quality (ADEQ) requirements.
- 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.
- Worked closely with project engineers, hydrologists, and legal counsel to authorize Individual Section 404 Permit for the ASARCO-Elder Gulch project in Pinal County. Work included historical research; title and survey research; preparation of 404 and 401 applications, the draft public notice, biological evaluation, and mitigation plan.
- 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.
- Completed community strategy evaluation for confidential project in southern Arizona. Reported on community stakeholders; identified opportunities for public and private collaboration; conducted social baseline studies including demographic characterizations for impacts evaluations; researched the availability of existing public services and infrastructure; and reviewed relevant land use restrictions and comprehensive plans.
- 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 US Fish and Wildlife Service (USFWS) 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.
- 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.

Project Role and Responsibilities:
Biologist

Special Expertise:

- *Biological Surveys*
- *CWA Section 404 Permitting*
- *Preliminary Jurisdictional Determinations*
- *Biological Evaluations and Assessments*
- *Migratory Bird Treaty Act*
- *Habitat Mitigation Monitoring*
- *T&E Species Evaluations and*
- *Critical Habitat Identification*

Education/Training:

- *B.S., Conservation Biology and Ecological Sustainability: Arizona State University (Cum Laude)*
- *Burrowing Owl Surveyor Training*
- *Southwestern Willow Flycatcher Training (May 2013)*
- *Mexican Spotted Owl Field Training (ongoing)*
- *Mine Safety and Health Administration Certification*
- *First Aid and CPR Certification*
- *Natural and Cultural Resource Regulatory Compliance Workshop*
- *Wildlife Techniques Workshop*

Background:

Ms. Gilligan holds a Bachelor of Science in Conservation Biology and Ecological Sustainability from Arizona State University, and has three years of experience in environmental consulting and biological research in the southwestern United States. She has extensive field experience conducting surveys for Yellow-billed cuckoo, burrowing owl, Sonoran desert tortoise, *Hexalectris colemanii*, and Arizona hedgehog cactus.

Ms. Gilligan has also participated in surveys for threatened and endangered species following U.S. Fish and Wildlife Service protocols, including Mexican spotted owl, Sonoran tiger salamander, southwestern willow flycatcher, and Chiricahua leopard frog alongside of permitted specialists. In addition to biological surveys, Ms. Gilligan's experience includes native plant surveys, wildlife camera monitoring studies, biological evaluations, vegetation-volume surveys, habitat mitigation and productivity monitoring, preliminary jurisdictional determination surveys, and planting and monitoring of transplanted Arizona hedgehog cacti.

Ms. Gilligan is proficient in conducting biological resource studies. She is skilled at data analysis, project financial tracking, document management, time management, multi-tasking, and organization. She has coordinated the development of various environmental technical reports and assisted in the production and preparation of preliminary jurisdictional determinations, biological evaluations, and biological assessments.

Ms. Gilligan has experience with wildlife, both native and exotic. She has worked with multiple species of birds of prey, and has worked alongside zookeepers and assisted in the daily care of various species, including primates, large cats, birds, amphibians, reptiles, and small mammals.

Selected Projects:

- Conducted surveys for burrowing owls, participated in burrow excavations and artificial burrow installation for a solar-energy generating facility in Maricopa County, Arizona.
- Provided ongoing support for proposed wind energy and mining projects in Arizona and New Mexico through data analysis and reporting of Diurnal Bird Surveys and Acoustic Detection for Bats.
- Surveyed for Sonoran desert tortoise in areas throughout central Arizona.
- Conducted multiple surveys for western yellow-billed cuckoo throughout central and southeastern Arizona, and participated in several day and night time surveys for avian species—including grassland birds and raptors.
- Field surveys, data analysis, and report preparation for wildlife camera studies in central Arizona.
- Conducted biological resource investigations, including a site visit, in support of an Environmental Assessment for a water resources project in northern Arizona.

Volunteer/Intern Experience:

- Liberty Wildlife. Scottsdale, Arizona. February 2011—May 2012.
- Wildlife World Zoo and Aquarium. Litchfield Park, Arizona. February 2011—August 2011.

Project Role and Responsibilities:

Field Biologist

Special Expertise:

- Stormwater Compliance
- Endangered Species Act (ESA) Compliance

Education:

- Coursework, Geology, University of Arizona

Training:

- International Erosion Control Association Stormwater Training
- Continuing Hands-on Field Training for Stormwater Compliance Inspection
- Continuing in-office NPDES and AZPDES Training
- MSHA Surface Miner
- Fundamentals of RCRA
- OSHA Confined Space Entry
- Safety-Related Work Practices
- Certificate in First Aid and CPR
- Western Burrowing Owl Training
- Arizona-Sonora Desert Museum, Cactus Ferruginous Pygmy-owl Training

Background:

Mr. Ward is a field/research technician in WestLand's Environmental Services Group. He has extensive field experience conducting stormwater compliance inspections on construction sites under both the National Pollutant Discharge Elimination System (NPDES) and the Arizona Pollutant Discharge Elimination System (AZPDES). Stormwater compliance activities include providing review and update of site Stormwater Pollution Prevention Plans (SWPPPs), conducting inspections of Best Management Practices (BMPs), and providing reports of findings to ensure site compliance with NPDES and AZPDES requirements. He has been performing stormwater compliance inspections since 2001.

In addition to conducting stormwater compliance inspections, Mr. Ward's experience includes observation of project construction and native plant salvage monitoring, and special-status species surveys for the cactus ferruginous pygmy-owl (CFPO), Pima Pineapple Cactus, and Western Burrowing Owl.

Selected SWPPP Project Experience:

- Star Valley
- Heritage Highlands
- The Preserve at Dove Mountain
- Quail Crossing
- Tucson Mountain Sanctuary
- Camino Verde Estates
- Saguaro Ranch Phase
- Starr Pass
- Rancho Vistoso
- Lone Mountain
- Hartman Vista Sycamore Canyon
- Saguaro Crest
- Continental Reserve

Selected CFPO Project Experience:

- BHP Copper Mine Site
- BHP Copper Plant Site
- Lone Mountain
- Rocking K
- Dove Mountain

Selected Construction Monitoring Project Experience:

- Saguaro Ranch
- Dove Mountain