



ENGINEERING • ENVIRONMENTAL (ESA I & II)
MATERIALS TESTING • SPECIAL INSPECTIONS
ORGANIC CHEMISTRY

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Purchase Application 53-122456-00-100



Southeast Corner of I-40 and North Woody Mountain Road
Flagstaff, Arizona 86005
CMT Project No. 3007

FOR:

Mr. David Hayward

Square Peg Development
3325 North Antler Crossing
Flagstaff, Arizona 86001

and **Arizona State Land Department**
1616 West Adams Street
Phoenix, Arizona 85007

October 26, 2021

EXECUTIVE SUMMARY

CMT Engineering Laboratories has completed a Phase I Environmental Site Assessment for the Subject Property located in Flagstaff, Arizona. This Phase I Environmental Site Assessment was performed in general conformance with the scope and limitations of ASTM Standard E 1527-13. The Subject Property consists of a single Arizona State Land Department parcel, comprising approximately 483 acres. The Subject Property is forest land, and includes a former cinder pit in the west portion of the Subject Property, which is now grassland. A City of Flagstaff water line traverses the Subject Property from the southwest corner to the northeast corner, and a power line corridor runs north to south near the eastern border of the Subject Property.

Historical uses of the Subject Property include a cinder pit mining operation in the western portion of the site. Mining operations appeared to be underway in 1954, and continued through 1980. The City of Flagstaff water line and the power line corridor have been in place since prior to 1954. The residential area in the northern portion of the Subject Property appears to have been ranch land in 1954, with residential development beginning in the early 1990s. The rest of the Subject Property has remained undeveloped, with the exception of a few hiking/biking trails.

Our review of current State and Federal environmental databases, engineering control registries, and institutional control registries, and a Database Report prepared by ERIS Information Inc., identified 14 regulated sites or facilities within the required search radii of the Subject Property (Sections 8.1 and 8.2). Based on the nature of the database listing, site/facility conditions, elevation, and/or distance from the Subject Property, none of the identified, regulated sites/facilities appear to represent an REC in relation to the Subject Property at the time of this assessment. Interviews/records requests of government agency/departments officials revealed no other known or suspected recognized environmental conditions (RECs), historical recognized conditions (HRECs), or controlled recognized environmental conditions (CRECs) in connection with the Subject Property (Section 9.0).

Based on the observations, research, and interviews conducted while performing this assessment, we did not identify any RECs, HRECs, or CRECs in connection with the Subject Property or adjacent, surrounding properties. No significant data gaps that would alter the findings and conclusions of this report were encountered.

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FIGURES

Figure 1: Vicinity Map

Figure 2: Site Map

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Appendix A: Site Inspection Checklist / Site Photographs

Appendix B: Historical Aerials / Topographic Maps / Fire Insurance Maps

Appendix C: Database Report

Appendix D: City Directory / Physical Setting Report

Appendix E: Supporting Documentation

Appendix F: Statement of Qualifications

1.0-INTRODUCTION

CMT Engineering Laboratories was retained by Square Peg Development to conduct a Phase I Environmental Site Assessment (ESA) for the Purchase Application 53-122456-00-100. The site will be referred to herein as the Subject Property.

The purpose of the Phase I ESA is to evaluate the conditions on the Subject Property and adjoining properties related to current or historical site uses in order to identify the presence or likely presence of any Recognized Environmental Conditions (RECs) in connection with the property or adjoining properties.

Recognized environmental conditions are defined by the American Society for Testing and Materials' (ASTM) Standard E 1527-13 as "The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions inductive of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions."

As defined in the ASTM Standard, a de minimis condition is "a condition that generally does 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 governmental agencies."

ASTM Standard E 1527-13 also includes the designation of Controlled REC (CREC). As defined in the ASTM Standard a CREC is "A recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)."

Historical RECs (HRECs) are defined in the ASTM Standard as "A past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a

regulatory authority, without subjecting the property to environmental controls. The final decision on whether a past release is an HREC rests with the environmental professional (EP), and will be influenced by the current impact of the past release to the Site.”

The Phase I ESA meets the requirements of the United States Environmental Protection Agency’s (US EPA) Appropriate Inquiries (AAI) Rule (2005) and the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (1980) (Also known as Superfund). Meeting the requirements of the AAI Rule allows for qualification of landowner liability protection (LLP) under the CERCLA Brownfield Amendments (2002). The American Society for Testing and Materials (ASTM) has published the *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* as Standard Designation E 1527-13. This standard meets the AAI requirements which became effective on November 6, 2013.

The Subject Property is centered at Latitude: 35.171619° N and Longitude: -111.692047° W. The location of the Subject Property is shown on **Figure 1**, below.

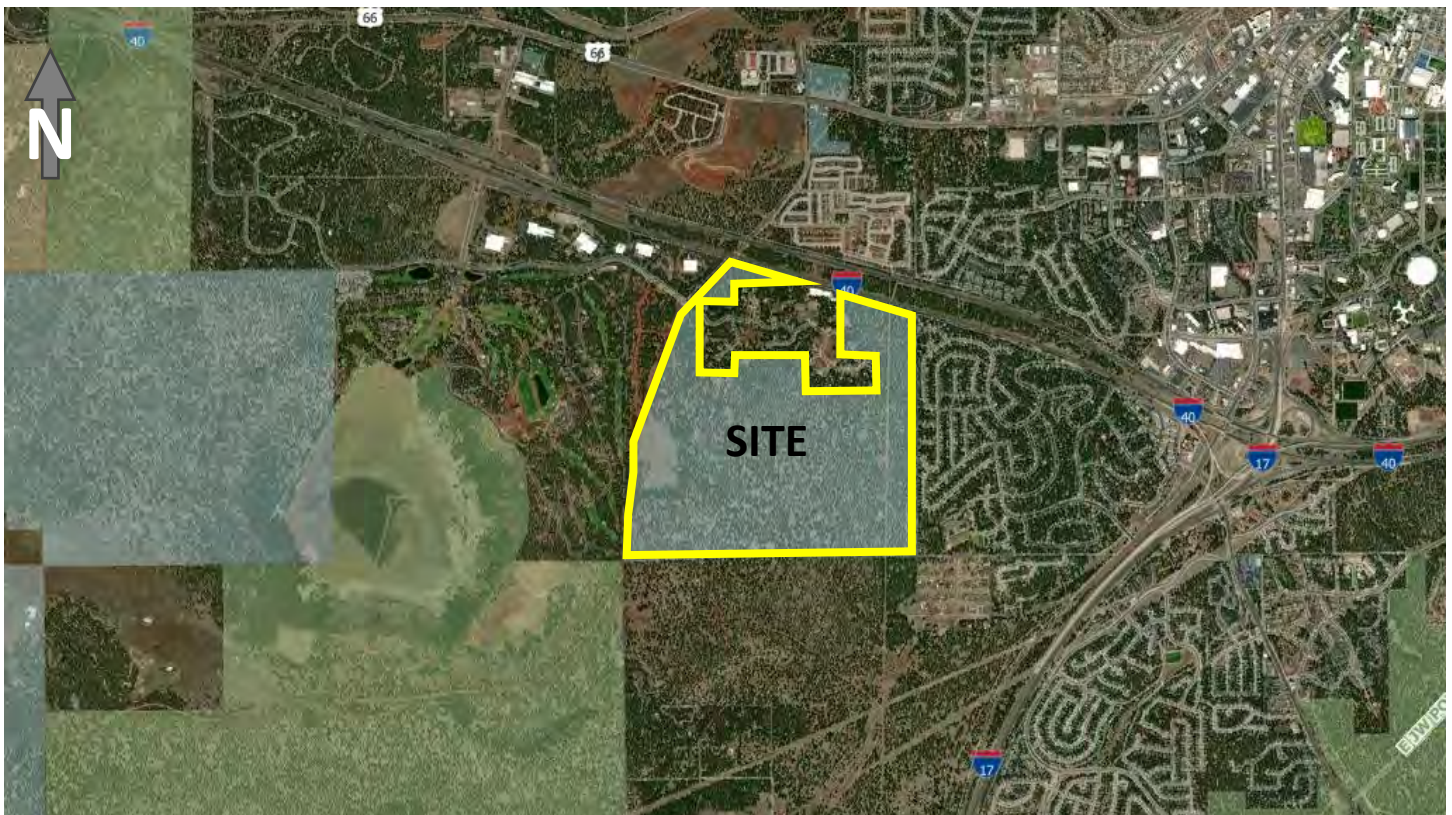


FIGURE 1, VICINITY MAP

2.0-OBJECTIVES

2.1 Scope of Work

The purpose of the Phase I Environmental Site Assessment (ESA) is to evaluate the conditions on the Subject Property and adjoining properties related to current or historical site uses in order to identify the presence or likely presence of any Recognized Environmental Conditions (RECs) in connection with the property or adjoining properties. At a minimum, the Phase I ESA typically includes a review of publicly available, reasonably ascertainable, and practically reviewable environmental records and historical data, a reconnaissance of the Subject Property and surrounding properties, interviews with property owners, site managers, and/or occupants, and interviews with pertinent government officials to assess the presence or the potential presence of recognized environmental conditions at the Subject Property.

This Phase I ESA is generally consistent with the current ASTM Standard (ASTM E 1527-13) and industrial accepted standards as defined within the following scope-of-work:

1. Conduct an on-site, non-intrusive/non-analytical reconnaissance of the Subject Property and a limited reconnaissance of adjoining, surrounding properties. The reconnaissance is performed by a qualified and experienced geologist or engineer from CMT Engineering Laboratories.
2. Review and interpret a limited number of historical aerial photographs, historical topographic maps, and, when available, city directories, and historical fire insurance maps that include the location of the Subject Property in order to evaluate historical site usage.
3. Research available geological and hydrological data for the location of the Subject Property and vicinity.
4. Conduct a comprehensive review of the most recent Federal and State environmental databases and control registries relative to the Subject Property and surrounding properties within the ASTM E 1527-13 recommended search radius from the Subject Property. CMT Engineering Laboratories contracts with ERIS Information Inc. to conduct searches of Federal and State environmental databases and control registries and to provide a Database Report of the search findings. CMT also performs searches of available State and Federal databases through various State of Arizona Department of Environmental Quality (ADEQ) and

Federal Environmental Protection Agency (EPA) internet sites. At a minimum, Federal National Priorities Lists (NPL); Subject Property, 1-mile radius of property, and the following databases and control registries are reviewed:

- Comprehensive Environmental Response Compensation and Liability Index System (CERCLIS) lists; Subject Property and 0.5-mile radius of property.
- Resource Conservation and Recovery Act (RCRA) Corrective Action Report (CORRACTS) Treatment, Storage, Disposal facilities (TSD) list; Subject Property and 1-mile radius of property.
- Resource Conservation and Recovery Act (RCRA) non-Corrective Action Report (non-CORRACTS) Treatment, Storage, Disposal facilities (TSD) list; Subject Property and 0.5-mile radius of property.
- Resource Conservation and Recovery Act (RCRA) Generators list; Subject Property and 0.25-mile radius of property.
- Arizona Directory of Solid Waste Facilities; Subject Property and 0.5-mile radius of property.
- Underground Storage Tank (UST) and Above Ground Storage Tank (AST) Sites lists; Subject Property and 0.25-mile radius.
- Leaking Underground Storage Tank (LUST) and Leaking Above Ground Storage Tank (LAST) Sites lists; Subject Property and 0.5-mile radius of property.
- SPILLS (reported petroleum and hazardous materials releases) list; Subject Property.

A number of other databases and control registries are reviewed for the Subject Property and surrounding properties within required search distances as part of the ERIS Information Inc. Database Report. A complete list of the databases and control registries reviewed is included in the ERIS Information Inc. Database Report in Appendix C.

5. Conduct an assessment of potential vapor migration/ encroachment at the Subject Property.
6. Conduct interviews of current and/or past property owners, managers, or occupants concerning the present and past site usage, conditions, and events at the Subject Property.
7. Conduct interviews of, or submit information requests to, pertinent government and regulatory officials, agencies, and departments concerning present and past site usage, conditions, and events at the Subject Property and surrounding areas.

8. Provide a summary of the findings of our assessment and any pertinent conclusions and opinions pertaining to our findings.

2.2 Limitations of Assessment

CMT Engineering Laboratories has performed this assessment with the usual care and thoroughness of a consulting professional based on the scope-of-work, limits of time, cost, and publicly available, reasonably ascertainable, and practically reviewable information. We have made no attempt to determine the marketability of the Subject Property or its suitability for any particular use, and such a determination should not be inferred based solely on this report. The information and findings presented in this report is not, and should not be, considered a warranty regarding the presence or non-presence of recognized environmental conditions in connection with the Subject Property.

The presence of RECs in connection with the subject property may warrant additional investigation or studies to better evaluate and classify Subject Property conditions and determine potential environmental liabilities on property owners, occupants, or operators.

The historical information sources researched for this Phase I Environmental Site Assessment revealed the uses of the subject property from the present back to 1954 (historical aerial photographs). This does not meet the 1940 minimum research limit per the ASTM Standard E 1527-05 § 8.3.2. However, based on the lack of development within the Subject Property, CMT does not consider this to be a significant data gap.

The Phase I ESA does not address the following Non-ASTM E 1527-13 scope items:

- Asbestos-containing building materials
- Lead based paint
- Naturally occurring radon
- Lead in drinking water
- Wetlands
- Regulatory compliance
- Cultural and historical resources
- Industrial hygiene
- Health and safety
- Ecological resources
- Endangered species
- Indoor air quality
- Biological agents
- Mold
- PCB Light Ballasts
- Environmental Lien Search
- Chain of Title Report

The evaluation of any of the above listed considerations is beyond the scope of this assessment and would require additional assessment by an appropriate, qualified professional.

This assessment has been non-intrusive and non-analytical in nature which is typical of a Phase I Environmental Site Assessment. Therefore, CMT Engineering Laboratories makes no claims relative to surficial or subsurface conditions in relation to the Subject Property or in relation to conditions which would require analytical testing to evaluate. It is understood that a Phase I ESA, such as the one reported herein, does not and cannot eliminate all of the environmental risks and liabilities associated with the Subject Property. This report consists of our professional opinions made in accordance with the procedures and principles as outlined in ASTM E1527-13. This warranty is in lieu of all other warranties either expressed or implied.

2.3 Reliance

A Phase I ESA performed in accordance with ASTM E1527-13 and completed less than 180 days prior to the date of acquisition or date of intended transaction is presumed to be valid. After 180 days, or if additional information becomes known, or if significant, pertinent changes occur to the conditions of the Subject Property, then all or portions of the environmental site assessment may need to be updated prior to the date of acquisition or date of intended transaction. After one year of the date of this report, the assessment should be considered void and should not be relied upon. After one year of the date of this report, a new Environmental Site Assessment of the Subject Property would be required.

This report is prepared for the sole use and benefit of Square Peg Development and its duly-authorized representatives, affiliates, and assigns, including the Arizona State Land Department, and may not be relied upon by any other person or entity without the written authorization (reliance letter) of CMT Engineering Laboratories.

2.4 Commonly Used Acronyms

The Following list contains some of the commonly used acronyms used in this report and supporting documentation. The list is not considered to be all inclusive.

ADEQ	Arizona Department of Environmental Quality
AST	Above Ground Storage Tank

AUL	Environmental Use Restriction Sites List
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CERCLIS	CERCLA Information System
CREC	Controlled Recognized Environmental Condition
CWA	Clean Water Act
ERNS	Emergency Response Notification System
FINDS	Facility Index System/Facility Registry System
FIFRA	Federal Insecticide, Fungicide, & Rodenticide Act
FTTS	FIFRA/TSCA Tracking System
HREC	Historical Recognized Environmental Condition
ICIS	Integrated Compliance Information System
NPDES	National Pollutant Discharge Elimination System
LUST	Leaking Underground Storage Tank
MRDS	Mineral Resource Data System
NFA	No Further Action
NPL	National Priority List
RCRA	Resource Conservation and Recovery Act
RCRA-CESQG	RCRA Conditionally Exempt Small Quantity Generator
RCRA-NONGEN	RCRA Non-Generator
RCRA-SQG	RCRA Small Quantity Generator
RCRA-LQG	RCRA Large Quantity Generator
RCRA TSDF	RCRA Treatment, Storage and Disposal Facilities
REC	Recognized Environmental Condition
SHWS	Waste Program Remedial Projects – Superfund & DOD
SPILLS	Hazardous Material Logbook
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substance Control Act
U.S. EPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VCP	Voluntary Remediation Program
WQARF	Water Quality Assurance Revolving Fund Sites

3.0-PREVIOUS REPORTS

CMT Engineering was not provided copies of any previous environmental assessment reports for the Subject Property and we are not aware of any such reports.

4.0-SITE DESCRIPTION

4.1 Location

The Subject Property is located at the southwest corner of I-40 and South Woody Mountain Road in Flagstaff, Arizona. The location of the Subject Property is shown on **Figure 1** in **Section 1.0**. The Subject Property consists of a single Arizona State Land Department parcel. The parcel is approximately 483 acres. The approximate boundaries of the entire Subject Property are shown on **Figure 2** below.

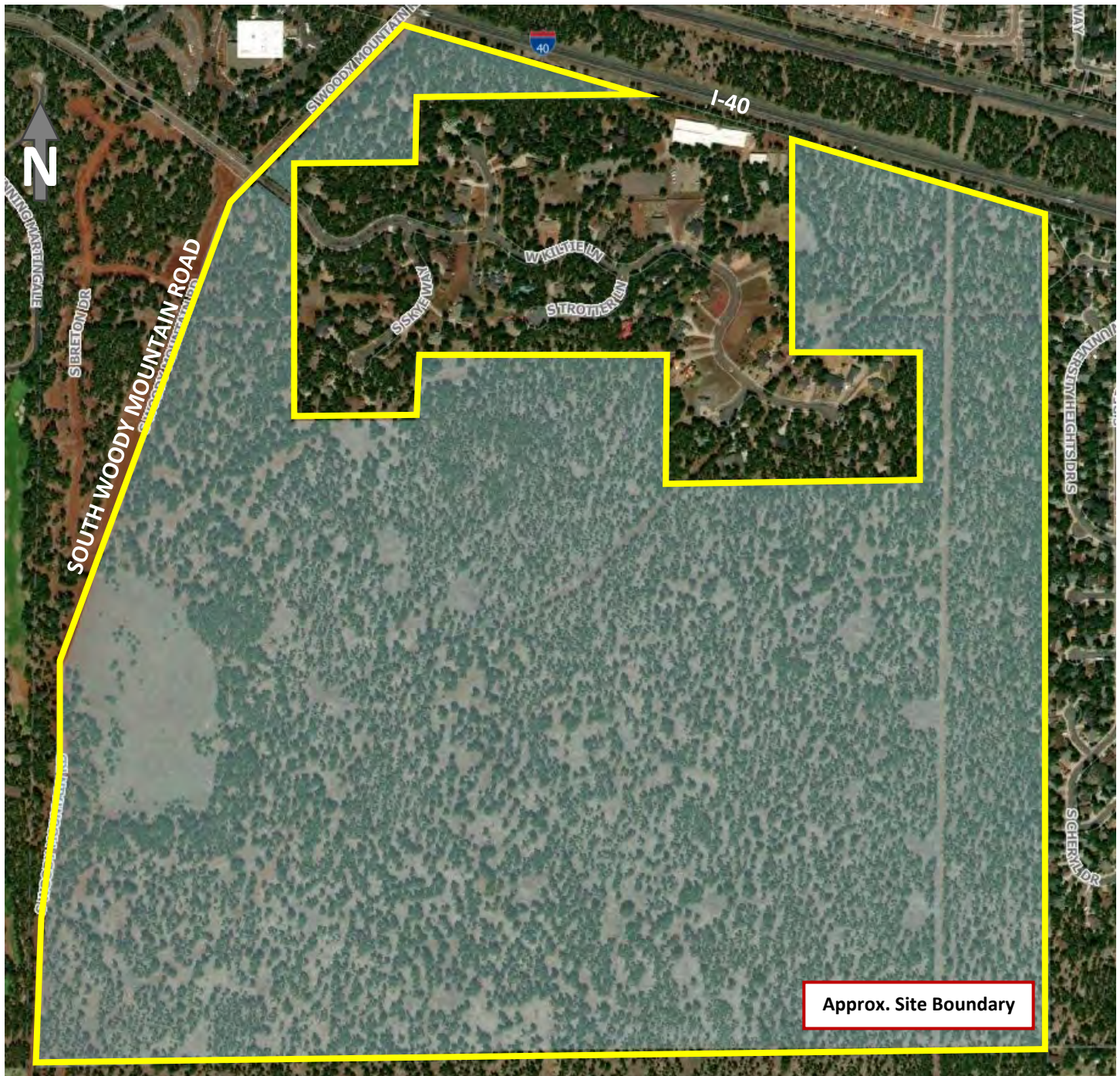


FIGURE 2, SITE MAP

4.2 Current Property Use

The Subject Property is forest land belonging to the Arizona State Land Department. There is a former cinder pit in the western portion of the Subject Property which is now grassland. There is a buried City of Flagstaff water line traversing the site from southwest to northeast. In addition, there is a power line corridor traversing the site from north to south in the eastern portion of the Subject Property. Vegetation throughout the Subject Property includes mature forest trees, shrubs, and grasses. There are several hiking/biking trails throughout the Subject Property, with motor vehicle access severely limited. Several photographs of the Subject Property and adjacent areas are included in **Appendix A**.

4.3 Structural Description

There are no structures within the Subject Property.

4.4 Neighboring Properties

The current uses of the surrounding, adjacent properties are as follows:

- North:** A neighborhood of residential homes with equestrian facilities lies within, but not part of, the northern portion of the Subject Property. The northern border of the Subject Property is the I-40 corridor.
- East:** A single-family residential neighborhood with an elementary school.
- South:** Vacant, privately owned forest land.
- West:** South Woody Mountain Road followed by single-family residential neighborhoods and a golf course.

5.0-SITE RECONNAISSANCE

5.1 Methodology

A reconnaissance of the Subject Property and adjacent, surrounding properties was conducted on October 20, 2021. The weather conditions at the time of the reconnaissance were sunny and clear with a temperature of approximately 55 to 60 degrees (F). The purpose of the reconnaissance was to visually observe the Subject Property and adjacent properties for evidence of potential or actual recognized environmental conditions (RECs). The reconnaissance was non-intrusive and non-analytical in nature. A summary of the observed conditions on the Subject Property and adjacent, surrounding properties was documented in an inspection checklist which is included in **Appendix A**.

5.2 Observations

5.2.1 Proposed Construction and Materials

It is anticipated that future construction on the Subject Property will be a single- and multi-family residential development of typical wood or steel-frame construction with concrete foundations and asphalt-paved residential streets.

5.2.2 Utilities

It is anticipated that the future development on the property will be serviced by typical municipal and private utilities. Overhead power lines currently traverse the Subject Property from north to south in the eastern portion.

5.2.3 Hazardous Substances and Petroleum Products

During the site reconnaissance, no hazardous substances or petroleum products were observed on the Subject Property.

5.2.4 Staining

No evidence of staining was observed during the site reconnaissance of the subject property.

5.2.5 Storage Tanks

No evidence of underground storage tanks (UST) or above ground storage tanks (AST) was observed during the site reconnaissance or within the Arizona Department of Environmental Quality's (ADEQ) interactive emaps. See Section 8.1, On-Site Environmental Conditions, for more details.

5.2.6 Asbestos Containing Materials (ACMs)

No structures that could contain ACMs were observed on the Subject Property. It is possible that there may be items buried within the eastern portion of the former cinder pit could potentially contain ACMs. An evaluation of ACMs and a detailed inspection for them are beyond the scope of this assessment.

5.2.7 Odors

No unusual odors that could be attributed to hazardous substances or petroleum products were encountered at the Subject Property.

5.2.8 Pools, drains, or Sumps

No pools, drains, or sumps were observed on or adjacent to the Subject Property.

5.2.9 Unidentified Substance Containers

No unidentified containers of any type were observed on or adjacent to the Subject Property.

5.2.10 Polychlorinated Biphenyls (PCBs)

No potential sources that could contain PCBs were observed on or adjacent to the Subject Property.

5.2.11 Pits, Ponds, or Lagoons

No pits, ponds, or lagoons were observed on or adjacent to the Subject Property.

5.2.12 Stressed Vegetation

No stressed vegetation was observed on or adjacent to the Subject Property.

5.2.13 Solid Waste

During the site reconnaissance, a moderate amount of piled and buried debris and trash, including concrete, appliances, car parts, and a few tires within the eastern portion of the former cinder pit. There is potentially

more of this type of solid waste buried in the area. Based on the waste that was observable, we believe that these conditions are de minimus, and do not represent a REC.

5.2.14 Septic Systems

No evidence of a septic system was observed on the property.

6.0-PAST SITE LAND USE

The history of the Subject Property has been assessed by reviewing a limited number of historic aerial photographs, historical topographic maps, historic city directories, Sanborn Fire Insurance Maps, and a review of the Coconino County Assessor's Parcel Map, available on their website.

6.1 Property Information

The Subject Property is comprised of 1 parcel. The parcel is not identified on the Coconino County Assessor's Parcel Map, because it is an Arizona State Land Department property. The ASLD website identified the parcel as being an unleased parcel of 482.61 acres.

6.2 Fire Insurance Maps

A Fire Insurance Map Report prepared by ERIS Information Inc. indicates that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied Subject Property information. Sanborn fire insurance maps were typically produced from the late 1800s to the 1950s and, in some areas, more recently. When no mapping is available for a location, it typically indicates that the location had sparse to no development at the time the mapping was completed. The Subject Property is an unmapped property. A copy of the Fire Insurance Maps report prepared by ERIS Information Inc. is included in **Appendix B**.

6.3 Aerial Photographs

An historical aerial photo report was provided by ERIS Information Inc. The following historical aerial photograph years that include the location of the Subject Property were reviewed: 1954, 1964, 1974, 1980, 1992, 1997, 2003, 2010, 2017, and 2019. Our observations and interpretations of the photographs are summarized below:

1954: The aerial indicates that the Subject Property consisted of forest land with a power line corridor traversing the Subject Property from north to south in the eastern portion, the water line corridor

traversing the Subject Property from southwest to northeast, and another corridor traversing the Subject Property from east to west in the northern portion. Some mining in the former cinder pit area in the western portion of the Subject Property is evident. South Woody Mountain Road borders the west boundary of the Subject Property. Some ranching/farming activities are evident to the north of the Subject Property. There is no development north, east, west, or south of the Subject Property.

- 1964:** The aerial indicates relatively no change from the previous imagery, except the addition of some small residential homes near the southeast corner of the Subject Property and some additional mining in the former cinder pit area.
- 1974:** The aerial indicates relatively no change from the previous imagery, except the construction of I-40 along the northern boundary of the Subject Property and additional mining in the former cinder pit area.
- 1980:** The aerial indicates relatively no change from the previous imagery except some additional activity within the former cinder pit area.
- 1992:** The aerial indicates relatively no change from the previous imagery, except construction of some residential homes north and east of the Subject Property, as well as some commercial buildings northwest of the Subject Property.
- 1997:** The aerial indicates relatively no change from the previous imagery, except additional residential construction north and east of the Subject Property.
- 2003:** The aerial indicates relatively no change from the previous imagery, except additional residential construction north and west of the Subject Property, including the golf course to the west.
- 2010:** The aerial indicates relatively no change from the previous imagery, except additional residential construction north of I-40.
- 2017:** The aerial indicates relatively no change from the previous imagery, except additional residential construction north of I-40.
- 2019:** The aerial indicates relatively no change from the previous imagery, except additional residential construction north of I-40. Since 2019, the site and surrounding properties have remained relatively unchanged.

The ERIS Information Inc. Historical Aerials report reviewed for this assessment is included in **Appendix B**.

6.4 Topographic Maps

CMT Engineering Laboratories reviewed and interpreted readily available historical topographic maps that include the location of the Subject Property and surrounding areas. The maps reviewed include the U.S. Geological Survey “Flagstaff West” 7.5 Minute Topographic Maps dated 1962, 1974, 1983, and 2014. A summary of the observations of the reviewed maps is provided below.

- 1962:** The map indicates the majority of the Subject Property is vegetated and shows the presence of the buried water line traversing from southwest to northeast, as well as the presence of the cinder pit.
- 1974:** The map indicates relatively no change from the previous map, except the addition of I-40 along the northern boundary of the Subject Property.
- 1983:** The map indicates relatively no change from the previous map, except it shows the power line corridor traversing from north to south in the eastern portion of the Subject Property.
- 2014:** The map indicates relatively no change from the previous map, except the cinder pit, water line, and power line corridor are not shown, and residential streets to the north, east, and west of the Subject Property are shown.

The ERIS Information Inc. Historical Topographic Maps reviewed for this assessment are included in **Appendix B**.

6.5 City Directories

A search was made by ERIS Information Inc. in the City Directory for the site and surrounding vicinity. There is no site address, but numerous listings for nearby addresses were identified within the City Directory. A summary of the listings is presented in a table below.

Site Address	Name / Year
South Woody Mountain Road	W L Gore & Associates Inc Electronics Division Woody Mountain Facility (1987, 1989)
5 South Woody Mountain Road	Transition Zone Horticultural Institute Inc (1987); Transition Zone Horticultural Institute Inc Arboretum (1989); Arboretum at Flagstaff (1989)
4001 South Woody Mountain Road	Arboretum at Flagstaff (2003, 2008, 2012, 2016, 2020); Transition Zone Horticultural (2003, 2008, 2012, 2020); Plumbing and Electrical Concepts (2008)
2300 West Kiltie Lane	Bewley Construction (1998, 2003, 2008)
2335 West Kiltie Lane	Tres Hermanas Ranch LLC (2008, 2012)
2360 West Kiltie Lane	Gary Vallen Hospitality (2008)
2590 West Kiltie Lane	Northern AZ Equine Hospital (2012, 2016, 2020)
2600 West Kiltie Lane	Flagstaff Riding Club (1998, 2003); Kilted Cat The (1998); BBQ to You (2003, 2008); Northern Arizona Equine (2003); Thornager's (2003)
2624 West Kiltie Lane	Boss Co Concrete Inc (2020)
2640 West Kiltie Lane	BBQ to You (2008, 2012); Kilted Cat (2008, 2012, 2016, 2020); Thornagers (2008, 2012, 2016, 2020); Thornagers Catering (2008)
3750 West Kiltie Lane	W L Gore & Associates Inc Medical Division (1998); W L Gore & Associates Inc (2003, 2008, 2012, 2016, 2020)

A copy of the City Directory Report prepared by ERIS Information Inc. is included in **Appendix D**.

7.0-GEOLOGIC AND HYDROLOGIC EVALUATION

7.1 Subsurface

A Physical Setting Report prepared by ERIS Information Inc. is included in **Appendix D**. The report contains a geologic map that shows the geology at the subject site and surrounding areas to be Holocene to middle Pliocene basaltic rocks (Unit QTb) dated as Middle Pliocene to Holocene. Soils mapped at the site are classified as “Brolliar stoney clay loam” (Soil Units 2 and 2A), “Brolliar cobbly clay loam, deep variant” (Soil Unit 12), and “Pits-Dumps complex” (Soil Unit BP). The potential flood hazard zone for the site and surrounding areas is mapped as “X-12” (Area of Minimal Flood Hazard). No wetlands are mapped on or adjacent to the property.

7.2 Hydrology

An investigation of groundwater levels and flow direction at the Subject Property is beyond the scope of this assessment. Regional groundwater flow is inferred to be generally toward the southeast at the location of the property based on topography. However, regional and local groundwater flow directions and elevations are likely significantly influenced by precipitation, irrigation, surface drainage, variations in topography, and variations in subsurface geology. There is a potential for seasonal fluctuations in groundwater flow directions and groundwater levels at the location of the Subject Property.

7.3 Water Wells and Water Service

A Physical Setting Report prepared by ERIS Information Inc. is included in **Appendix D**. The report indicates that no well sources are located within the boundary of the Subject Property, but several are within one mile of the Subject Property boundary. No well violations were listed within this report.

7.4 Oil and Gas Wells

A Physical Setting Report prepared by ERIS Information Inc. is included in **Appendix D**. The report indicates that no oil and gas well sources are located adjacent to or within the boundary of the subject property.

8.0-FEDERAL AND STATE DATABASE REVIEW

Current Federal and State environmental databases, engineering control registries, and institutional control registries, including: NPL, CERCLIS, RCRA, LUST, UST, and Arizona Directory of Solid Waste Facilities, were reviewed

in order to assess potential environmental liabilities associated with the Subject Property and/or properties within a specified search radius. For a comprehensive summary of findings refer to ERIS Information Inc. Database Report in **Appendix C**. Detailed explanations of the databases and control registries searched are also included in the Database Report. In addition to the ERIS Information Inc. Database Report, CMT Engineering conducted a search of available ADEQ databases through their internet web site.

The following sections list the mapped, regulated sites/facilities that were found during the search of available (“reasonably ascertainable”) environmental and control registry records either on the Subject Property or within the required ASTM E1527-13 search radius from the Subject Property.

8.1 On-Site Environmental Conditions

A former cinder pit exists in the western portion of the Subject Property. This pit is classified in the Mineral Resources Data System (MRDS) database as a “past producer,” and no violations are recorded.

ACRONYM	FACILITY	STREET	REC
MRDS	CINDER PIT	COCONINO COUNTY	NO
MRDS	FLAGSTAFF WEST NO. 2 CINDER PIT	COCONINO COUNTY	NO
MRDS	CINDER PIT	COCONINO COUNTY	NO

8.2 Off-Site Environmental Conditions

The table below lists the regulated sites or facilities that were identified within the required search radii of the Subject Property.

ACRONYM	FACILITY	STREET	DISTANCE (feet)	DIRECTION	REC
FINDS/FRS	PERSIDIO IN THE PINES OFF-SITE WATER TANK/SEWER IMPROVEMENT	NO ADDRESS ON RECORD	80	NW	NO
RCRA VSQG	WL GORE & ASSOCIATES - ECHO RIDGE	3250 W KILTIE LN	342	NW	NO
TIER 2	Echo Ridge	3250 W Kiltie Ln	342	NW	NO
AST	Flagstaff Ranch Golf Club Maintenance	3243 West Kiltie Lane	419	NW	NO
RCRA SQG	WL GORE & ASSOCIATES - WOODY SPRINGS	3450 W KILTIE LN	570	NW	NO
TIER 2	Woody Springs	3450 W Kiltie Ln	570	NW	NO
MRDS	FLAGSTAFF WEST NO. 4 CINDER PIT	COCONINO COUNTY	1072	WNW	NO
MRDS	CINDER PIT	COCONINO COUNTY	1129	WNW	NO
PFAS TRI	W L GORE & ASSOCIATES INC	3650 W KILTIE LN	1424	NW	NO
MRDS	LAVA CLAIM	COCONINO COUNTY	1737	WSW	NO
MRDS	CINDER PITS	COCONINO COUNTY	1760	WSW	NO

ACRONYM	FACILITY	STREET	DISTANCE (feet)	DIRECTION	REC
MRDS	CINDER PIT	COCONINO COUNTY	2006	W	NO
MRDS	FLAGSTAFF WEST NO. 5 CINDER PIT	COCONINO COUNTY	2006	W	NO
MRDS	LAVA CLAIM	COCONINO COUNTY	2213	WSW	NO
UNPLOTTABLE					
HMIRS		I-40 WEST BOUND	NA	NA	NO
HMIRS		I-40 WEST	NA	NA	NO
HMIRS		I-40 West	NA	NA	NO
SWF/LF	Woody Lake	1.3 miles south of I-40 on Woody Mountain Rd	NA	NA	NO
SWF/LF	Tusayan	2.4 miles east of AZ 64 on north side of Ten-X-Road	NA	NA	NO

Several of the more pertinent sites listed in the above table are discussed in greater detail below.

8.2.1 RCRA Sites

The RCRA Generators database is searched within a one-quarter mile radius of the site. The RCRA database lists facilities that have notified the EPA of hazardous waste activity. There are 3 categories of hazardous waste generators:

1. Generators of no more than 100 kilograms per month (kg/mo), known as conditionally exempt small-quantity generators (CESQG).
2. Generators of 100 to 1,000 kg/mo, known as small-quantity generators (SQG).
3. Generators of 1,000 kg or more in a month, known as large-quantity generators (LQG).

Site Name: WL Gore & Associates – Echo Ridge

Site Address: 3250 W Kiltie Ln

Distance from Subject Property: Approx. 342 feet northwest

Relative Elevation: Lower

Gradient: Up-gradient

REC: No

Environmental Database: RCRA-VSQG - One violation has been reported at this facility on August 18, 2009. The facility returned to compliance on November 9, 2009. This facility is up-gradient, but it is not anticipated to pose an environmental risk to the Subject Property at this time, based on the date of its violation and return to compliance. If a release is reported after this report is submitted, it could pose a risk to the subject site, based on its distance and up-gradient location.

Site Name: WL Gore & Associates – Woody Springs

Site Address: 3450 W Kiltie Ln

Distance from Subject Property: Approx. 570 feet northwest

Relative Elevation: Equal

Gradient: Up-gradient

REC: No

Environmental Database: RCRA SQG - One violation has been reported at this facility on August 18, 2009. The facility returned to compliance on November 9, 2009. This facility is up-gradient, but it is not anticipated to pose an environmental risk to the Subject Property at this time, based on the date of its violation and return to compliance. If a release is reported after this report is submitted, it could pose a risk to the subject site, based on its distance and up-gradient location.

8.2.2 Underground Storage Tank Sites

Site Name: Flagstaff Ranch Golf Club Maintenance

Site Address: 3243 West Kiltie Lane

Distance from Subject Property: Approx. 419 feet northwest

Relative Elevation: Lower

Gradient: Up-gradient

REC: No

Environmental Database: AST – There is no information, other than the listing in the AST database, with a Permit Year listed as 2012, and a status of Not Approved. This site is not anticipated to pose an environmental risk to the Subject Property at this time.

No UST or LUST regulated sites or facilities were identified within the required search radii of the Subject Property.

8.2.3 National Priority List Sites

Site Name: WL Gore & Associates Inc

Site Address: 3650 W Kiltie Ln

Distance from Subject Property: Approx. 1454 feet northwest

Relative Elevation: Higher

Gradient: Up-gradient

REC: No

Environmental Database: PFAS TRI – This facility is reported to have had releases of freon in 1987, 1988, 1989, 1990, 1991, 1992, and 1993. These were releases into the air, and are not anticipated to pose an environmental risk to the Subject Property at this time.

No NPL regulated sites or facilities were identified within the required search radii of the Subject Property.

8.2.4 Vapor Migration

No sites/facilities that could pose a significant risk of subsurface vapor migration and related building vapor encroachment at the Subject Property were found in our search of the referenced databases and control registries.

9.0-INTERVIEWS

9.1 Owners

Mr. Joe Charles, a representative of the Arizona State Land Department, the current owner of the Subject Property, completed a Site Assessment Questionnaire October 18, 2021. Mr. Charles has been associated with the property for 1 year. Mr. Charles indicated that there are no current or previous occupants of the Subject Property. Mr. Charles was not aware of any other past site uses, conditions, or incidents that would constitute an REC including spills, releases, or use of hazardous materials or petroleum, other USTs or ASTs, significant pesticide or herbicide use, or on-site septic systems. A copy of the completed questionnaire is included in **Appendix E**.

9.2 Government Agencies and Officials

The local city and county fire, health, planning, and recording departments refer all inquiries to the Arizona Department of Environmental Quality. A search of the ADEQ website found no additional entries for the Subject Property.

9.3 Others Familiar with the Subject Property

No other individuals or entities familiar with the Subject Property were interviewed at the time of this assessment.

10.0-DATA GAPS

No significant data gaps that would alter the findings and conclusions of this report were encountered.

11.0-FINDINGS

Based on the observations, research, and interviews conducted while performing this Phase I Environmental Site Assessment for the Subject Property, no RECs, HRECs, or CRECs as defined by ASTM Standard E 1527-13 were identified in connection with the Subject Property or adjacent, surrounding properties. No current Land Use Covenants (LUCs) and associated Activity and Use Limitations (AULs) associated with the Subject Property or surrounding properties were identified at the time of this assessment. No known sources of potential vapor migration or intrusion at the Subject Property were identified in this assessment.

12.0-CONCLUSIONS

CMT Engineering has performed a Phase I Environmental Site Assessment in general conformance with the scope and limitations of ASTM Standard E 1527-13 for the Subject Property. This assessment did not identify any RECs, HRECs, or CRECs in connection with the Subject Property or adjacent, surrounding properties.

13.0-STATEMENT OF QUALIFICATIONS

The reviews of state and federal environmental regulatory agency records (institution and engineering control registries), and available historical records, completed for this study were conducted by a qualified member of our engineering staff. The interviews/records requests of property owners/managers, government officials, and other pertinent individuals were conducted by a qualified member of our engineering staff. The qualifications of the environmental professional(s) who conducted this assessment are presented in **Appendix F**.

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of this part (40 CFR Part 312, All Appropriate Inquiries Rule). We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR part 312.

14.0-GENERAL INFORMATION AND CONDITIONS

The Phase I Environmental Assessment provided by CMT Engineering for the Subject Property was performed in accordance with presently accepted practices of the engineering consulting profession in this area. The degree of care exercised in preparing this report is consistent with other local consulting firms. Our findings and

conclusions are not presented as scientific certainties, but rather as professional opinions based on the limited data obtained during this study. Changes in the conditions of the Subject Property and surrounding properties can occur with the passage of time, whether due to natural processes or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate standards and regulations may occur, whether the result of legislation, from the broadening of knowledge, or from other reasons. Accordingly, the findings of this report may be invalidated wholly or partially by changes beyond our control. The information obtained from the record research and the interviews pertaining to the Subject Property is considered to be reliable. However, CMT Engineering does not warrant or guarantee that the information provided by referenced sources is accurate and/or complete.

15.0-CLOSURE

We appreciate the opportunity to be of service to you on this project. If you have any questions, please call us at 602-241-1097.

CMT Engineering Laboratories



Hank Belliston, M.S., P.E., M.ASCE
Arizona Engineering Manager



Lindsey Bradshaw
Environmental Technician

16.0-REFERENCES

Coconino County Assessor's Website:

coconinocounty.maps.arcgis.com/apps/webappviewer/index.html?id=868170827e4443d2be37eb60562446ae

Arizona Department of Environmental Quality internet site: <http://www.azdeq.gov/>

Arizona Department of Water Resources website: www.azwater.gov/AzDWR/

Geologic Map of Arizona website: data.azgs.az.gov/geologic-map-of-arizona

Historical Aerials Report, Database Report, Physical Setting Report, Fire Insurance Map Report, City Directory Report, and Topographic Maps Report

Prepared By: ERIS Information Inc.

266 Elmwood Avenue

Box 930

Buffalo, NY 14222

Toll Free: 1-866-517-5204

Email: info@erisinfo.com

APPENDIX A

SITE INSPECTION
CHECKLIST
SITE PHOTOGRAPHS



CMT PHASE I ESA INSPECTION CHECKLIST

SITE DATA

Site Name: _____ Site # _____ CMT Job # _____

Property Address: _____

City: _____ County: _____ State: _____ Zip: _____

Date of Inspection: _____ Prepared For: _____

Environmental Inspector: _____

PROPERTY DESCRIPTION AND USE

Owner: _____ Phone Number: _____

Address: _____

Contact: _____ Phone Number: _____

Occupant: _____ Phone Number: _____

Site Description: _____

Current Property Use: _____

SITE INSPECTION - NEIGHBORING PROPERTIES

Date: _____ Subject Property: _____

NORTH

Name: _____

Address: _____

Observed usage: _____ Residential _____ Commercial

_____ Industrial _____ Vacant

Observed hazards: _____

EAST

Name: _____

Address: _____

Observed usage: _____ Residential _____ Commercial

_____ Industrial _____ Vacant

Observed hazards: _____

SOUTH

Name: _____

Address: _____

Observed usage: _____ Residential _____ Commercial

_____ Industrial _____ Vacant

Observed hazards: _____

WEST

Name: _____

Address: _____

Observed usage: _____ Residential _____ Commercial

_____ Industrial _____ Vacant

Observed hazards: _____

Site Name: _____

GENERAL FIELD OBSERVATIONS

Under Ground Storage Tanks: Yes _____ No _____ Unknown _____

Description:

Oily Sheens on Water: Yes _____ No _____ Unknown _____

Description:

Discarded Batteries: Yes _____ No _____ Unknown _____

Description:

Surface Water: Yes _____ No _____ Unknown _____

Description:

Solid Waste: Yes _____ No _____ Unknown _____

Description:

Transformers: Yes _____ No _____ Unknown _____

Description:

Drums/Containers: Yes _____ No _____ Unknown _____

Description:

Odors: Yes _____ No _____ Unknown _____

Description:

Site Name: _____

GENERAL FIELD OBSERVATIONS CONTINUED

Above Ground Storage Tanks: Yes _____ No _____ Unknown _____

Description:

Wells: Yes _____ No _____ Unknown _____

Description:

Floor Drains and Floor Slumps: Yes _____ No _____ Unknown _____

Description:

Stained Soil/Pavement: Yes _____ No _____ Unknown _____

Description:

Stains or Corrosion (floors, walls, ceiling): Yes _____ No _____ Unknown _____

Description:

Heating/Cooling (gas,electric,etc): Yes _____ No _____ Unknown _____

Description:

Stressed Vegetation: Yes _____ No _____ Unknown _____

Description:

Pits/Ponds/Lagoons: Yes _____ No _____ Unknown _____

Description:

Site Name: _____

CHEMICAL, GAS & MINERAL INSPECTION

UREA FORMALDEHYDE FOAM INSULATION UFFI

Yes No Unknown

☐ ☐ ☐ Was any evidence of formaldehyde Foam Insulation observed on the property?

PESTICIDES | HERBICIDES

Yes No

☐ ☐ Does it appear pesticides or herbicides have been used in excess of normal household use?

☐ ☐ Is the property used for agricultural purpose?

☐ ☐ Are there any noticeable pesticide odors?

POLYCHLORINATED BIPHENYL (PCBs)

Yes No

☐ ☐ Were any transformers, electrical devices or hydraulic equipment observed on the property labeled as containing PCB's?

☐ ☐ Was there evidence of PCB contamination to the soil or groundwater observed on the property?

☐ ☐ Were there any fluorescent lights ballasts labeled as containing PCB's observed?

Name: _____

Signature: _____

Date: _____

Site Name: _____

SITE INSPECTION - SKETCHES - INTERIOR

Site Name: _____

SITE INSPECTION - SKETCHES - EXTERIOR



Photo 1 North view from south boundary of target property.



Photo 2 North view along power line corridor in east portion of target property.



Photo 3 Northwest view from southeast corner of target property.



Photo 4 Southeast view from near northwest corner of target property.



Photo 5 South view of former cinder pit in west portion of the target property.



Photo 6 Half-buried car and trash in east portion of former cinder pit.



Photo 7 Concrete and other debris in east portion of former cinder pit.



Photo 8 Concrete, steel, car parts, and a tire in east portion of former cinder pit.



Photo 9 North view of east portion of former cinder pit.



Photo 10 Man-hole access to City of Flagstaff water line.



Photo 11 View from the target property looking north.



Photo 12 View from the target property looking south.

APPENDIX B

HISTORICAL AERIALS
TOPOGRAPHIC MAPS
FIRE INSURANCE MAPS



HISTORICAL AERIALS

Project Property: Purchase Application

53-122456-00-100

Purchase Application 53-122456-00-100

Flagstaff AZ

Project No: 3007

Requested By: CMT Engineering Laboratories

Order No: 21101500416

Date Completed: October 18, 2021

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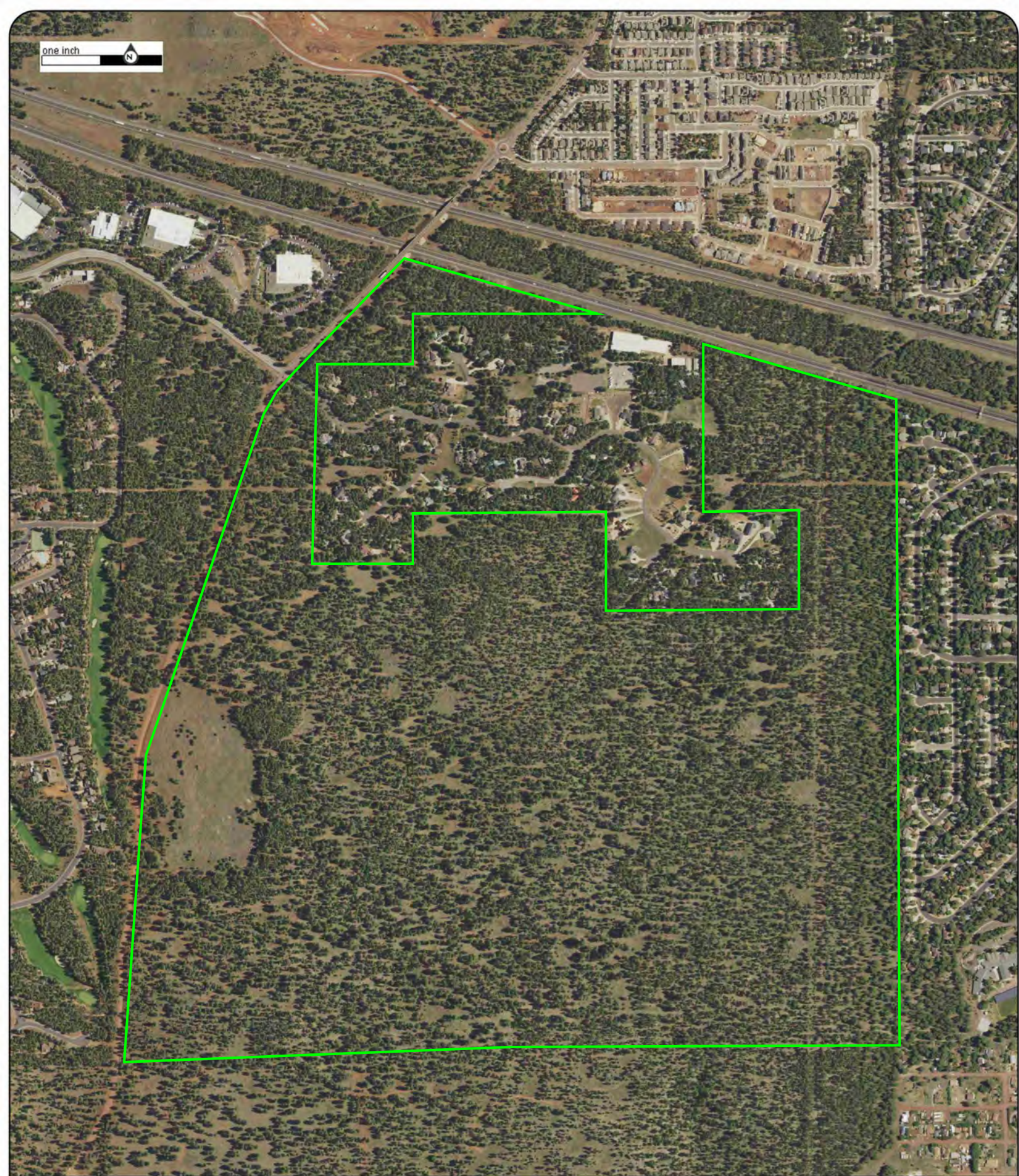
Date	Source	Scale	Comments
2019	National Agriculture Information Program	1" = 800'	
2017	National Agriculture Information Program	1" = 800'	
2010	National Agriculture Information Program	1" = 800'	
2003	US Geological Survey	1" = 800'	
1997	US Geological Survey	1" = 800'	
1992	National Aerial Photography Program	1" = 800'	
1980	National High Altitude Photography	1" = 800'	
1974	US Geological Survey	1" = 800'	
1964	US Geological Survey	1" = 800'	Adjacent Frame Unavailable
1954	Army Mapping Service	1" = 800'	

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one inch



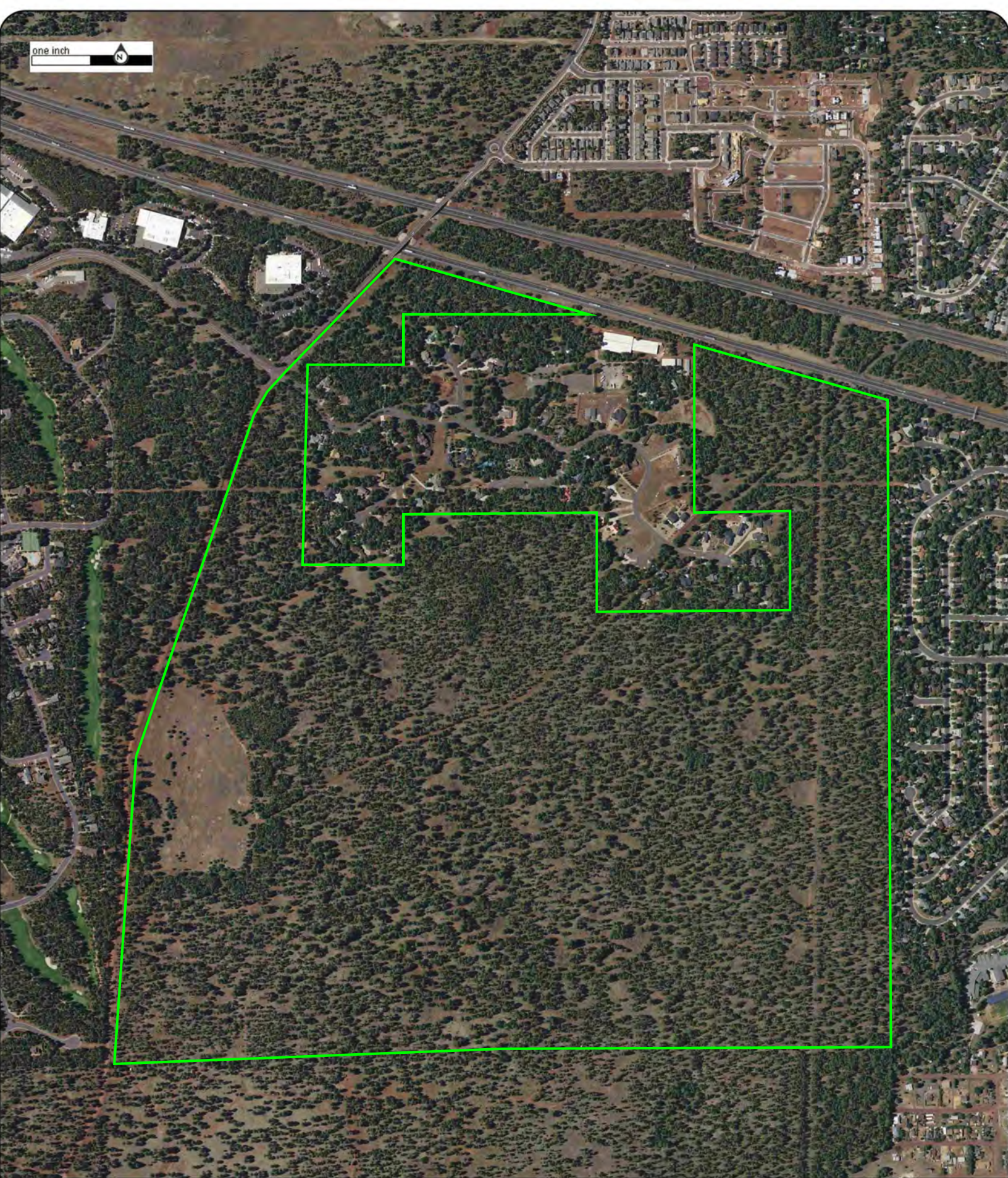
Year: 2019
Source: NAIP
Scale: 1" = 800'
Comment:

Address: Purchase Application 53-122456-00-100,
Flagstaff, AZ
Approx Center: -111.69204727,35.17161862

Order No: 21101500416



one inch



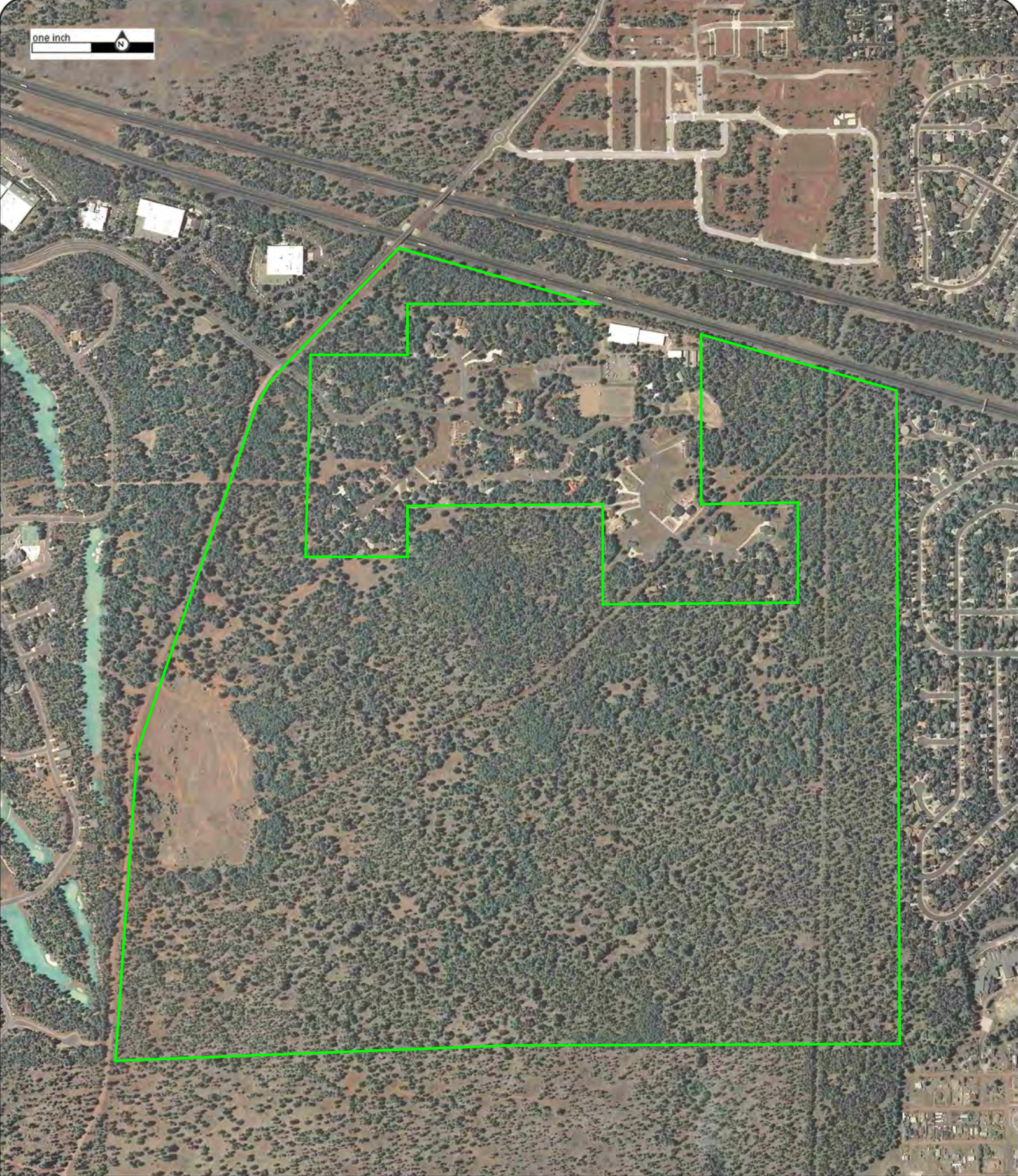
Year: 2017
Source: NAIP
Scale: 1" = 800'
Comment:

Address: Purchase Application 53-122456-00-100,
Flagstaff, AZ
Approx Center: -111.69204727,35.17161862

Order No: 21101500416



one inch



Year: 2010
Source: NAIP
Scale: 1" = 800'
Comment:

Address: Purchase Application 53-122456-00-100,
Flagstaff, AZ
Approx Center: -111.69204727,35.17161862

Order No: 21101500416



one inch



Year: 2003
Source: USGS
Scale: 1" = 800'
Comment:

Address: Purchase Application 53-122456-00-100,
Flagstaff, AZ
Approx Center: -111.69204727,35.17161862

Order No: 21101500416



one inch



Year: 1997
Source: USGS
Scale: 1" = 800'
Comment:

Address: Purchase Application 53-122456-00-100,
Flagstaff, AZ
Approx Center: -111.69204727,35.17161862

Order No: 21101500416





Year: 1992
Source: NAPP
Scale: 1" = 800'
Comment:

Address: Purchase Application 53-122456-00-100,
Flagstaff, AZ
Approx Center: -111.69204727,35.17161862

Order No: 21101500416



one inch



Year: 1980
Source: NHAP
Scale: 1" = 800'
Comment:

Address: Purchase Application 53-122456-00-100,
Flagstaff, AZ
Approx Center: -111.69204727,35.17161862

Order No: 21101500416



one inch



Year: 1974
Source: USGS
Scale: 1" = 800'
Comment:

Address: Purchase Application 53-122456-00-100,
Flagstaff, AZ
Approx Center: -111.69204727,35.17161862

Order No: 21101500416



one inch

N

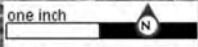


Year: 1964
Source: USGS
Scale: 1" = 800'
Comment: Adjacent Frame Unavailable

Address: Purchase Application 53-122456-00-100,
Flagstaff, AZ
Approx Center: -111.69204727,35.17161862

Order No: 21101500416





Year: 1954
Source: AMS
Scale: 1" = 800'
Comment:

Address: Purchase Application 53-122456-00-100,
Flagstaff, AZ
Approx Center: -111.69204727,35.17161862

Order No: 21101500416





TOPOGRAPHIC MAPS

Project Property: Purchase Application 53-122456-00-100
Purchase Application 53-122456-00-100
Flagstaff AZ None

Project No: 3007

Requested By: CMT Engineering Laboratories

Order No: 21101500416

Date Completed: October 17, 2021

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We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
2014	7.5
1983	7.5
1974	7.5
1962	7.5

Topographic Map Symbolology for the maps may be available in the following documents:

Pre-1947

[Page 223 of 1918 Topographic Instructions](#)

[Page 130 of 1928 Topographic Instructions](#)

1947-2009

[Topographic Map Symbols](#)

2009-present

[US Topo Map Symbols](#)

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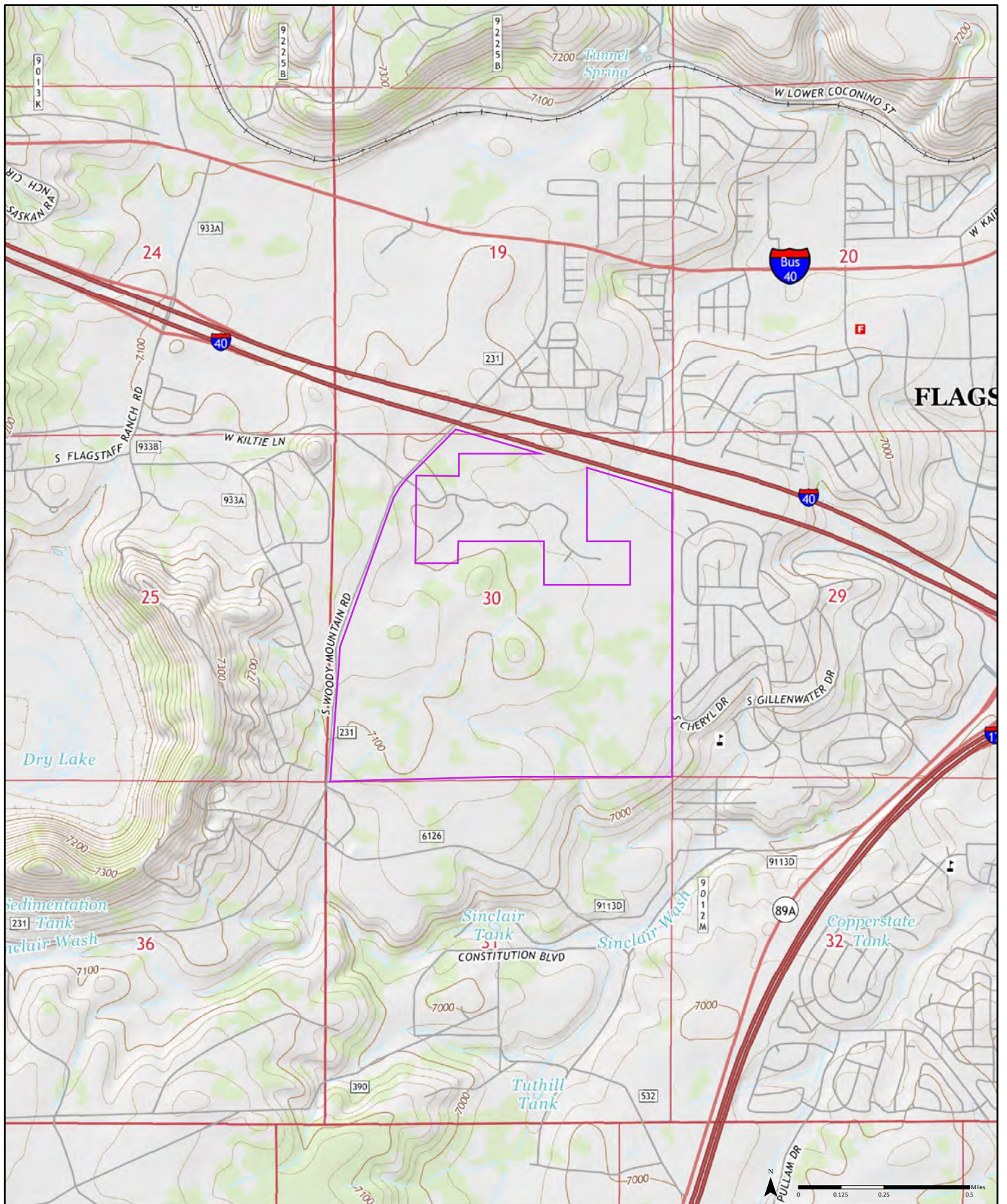
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2014

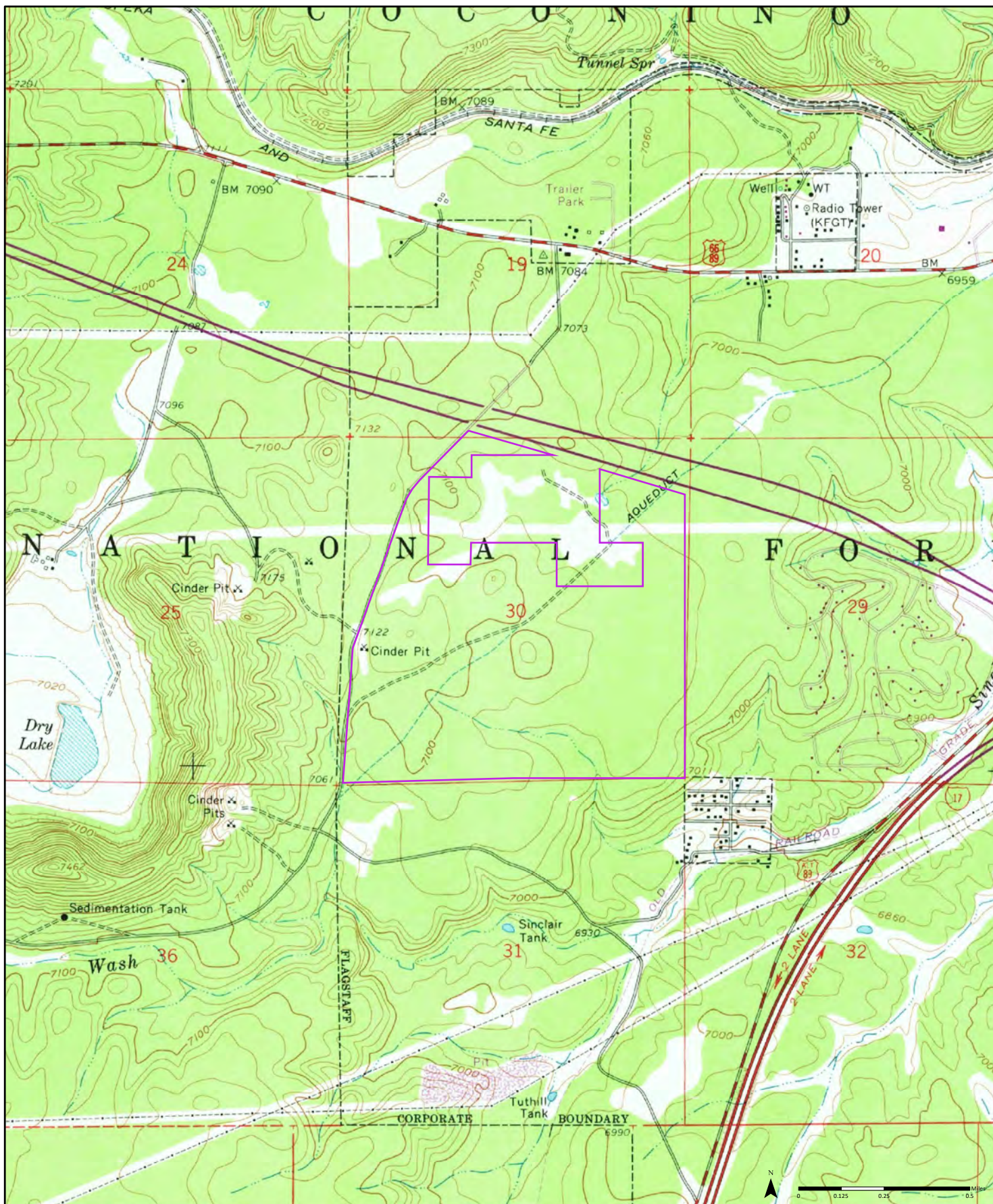
Quadrangle(s): Flagstaff West, AZ

Order No. 21101500416

Source: USGS 7.5 Minute Topographic Map







1974

(1) Aerial Photo Year: 1974
Photo Revision Year: 1974

Quadrangle(s): Flagstaff West, AZ⁽¹⁾

Order No. 21101500416

Source: USGS 7.5 Minute Topographic Map



1962

(1)
Aerial Photo Year: 1959

Quadrangle(s): Flagstaff West, AZ₍₁₎

Order No. 21101500416

Source: USGS 7.5 Minute Topographic Map





FIRE INSURANCE MAPS

Project Property: Purchase Application 53-122456-00-100
Purchase Application 53-122456-00-100
Flagstaff AZ

Project No: 3007

Requested By: CMT Engineering Laboratories

Order No: 21101500416

Date Completed: October 16, 2021

Please note that no information was found for your site or adjacent properties.

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APPENDIX C

DATABASE REPORT



DATABASE REPORT

Project Property:	<i>Purchase Application 53-122456-00-100 Purchase Application 53-122456-00-100 Flagstaff AZ</i>
Project No:	<i>3007</i>
Report Type:	<i>Database Report</i>
Order No:	<i>21101500416</i>
Requested by:	<i>CMT Engineering Laboratories</i>
Date Completed:	<i>October 19, 2021</i>

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Executive Summary

Property Information:

Project Property: *Purchase Application 53-122456-00-100*
Purchase Application 53-122456-00-100 Flagstaff AZ

Project No: *3007*

Coordinates:

Latitude:	<i>35.17161862</i>
Longitude:	<i>-111.69204727</i>
UTM Northing:	<i>3,892,294.42</i>
UTM Easting:	<i>436,981.16</i>
UTM Zone:	<i>UTM Zone 12S</i>

Elevation: *7,128 FT*

Order Information:

Order No: *21101500416*

Date Requested: *October 15, 2021*

Requested by: *CMT Engineering Laboratories*

Report Type: *Database Report*

Historicals/Products:

Aerial Photographs	<i>Historical Aerials (with Project Boundaries)</i>
City Directory Search	<i>CD - 2 Street Search</i>
ERIS Xplorer	<i>ERIS Xplorer</i>
Excel Add-On	<i>Excel Add-On</i>
Fire Insurance Maps	<i>US Fire Insurance Maps</i>
Physical Setting Report (PSR)	<i>Physical Setting Report (PSR)</i>
Topographic Map	<i>Topographic Maps</i>

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
<u>Standard Environmental Records</u>								
Federal								
DOE FUSRAP	Y	1	0	0	0	0	0	0
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	1	0	-	-	1
RCRA VSQG	Y	0.25	0	1	0	-	-	1
RCRA NON GEN	Y	0.25	0	0	0	-	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
State								
SHWS	Y	1	0	0	0	0	0	0
SHWS ACIDS	Y	1	0	0	0	0	0	0
WQARF	Y	1	0	0	0	0	0	0
DELISTED SUPERFUND	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	0	0	0	-	0
DELISTED LUST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	0	0	-	-	0
AST	Y	0.25	0	1	0	-	-	1
AST2	Y	0.25	0	0	0	-	-	0
DELISTED TANKS	Y	0.25	0	0	0	-	-	0
AUL	Y	0.5	0	0	0	0	-	0
AZURITE	Y	0.5	0	0	0	0	-	0
VCP	Y	0.5	0	0	0	0	-	0
BROWNFIELDS	Y	0.5	0	0	0	0	-	0
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED ILST	Y	0.5	0	0	0	0	-	0
DELISTED IUST	Y	0.25	0	0	0	-	-	0
County								
No County databases were selected to be included in the search.								
<u>Additional Environmental Records</u>								
Federal								
PFAS NPL	Y	0.5	0	0	0	0	-	0
FINDS/FRS	Y	PO	0	1	-	-	-	1
TRIS	Y	PO	0	-	-	-	-	0
PFAS TRI	Y	0.5	0	0	0	1	-	1
PFAS WATER	Y	0.5	0	0	0	0	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	3	0	2	5	0	10
URANIUM	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCB	Y	0.5	0	0	0	0	-	0

State

SPILLS	Y	0.125	0	0	-	-	-	0
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
PFAS	Y	0.5	0	0	0	0	-	0
AIR PERMITS	Y	0.25	0	0	0	-	-	0
DRYWELLS	Y	0.125	0	0	-	-	-	0
DRYWELLS HIST	Y	0.125	0	0	-	-	-	0
DRUG LAB REMEDIATION	Y	0.125	0	0	-	-	-	0
CDL	Y	0.125	0	0	-	-	-	0
TIER 2	Y	0.125	0	2	-	-	-	2
BIO HAZ WASTE	Y	0.25	0	0	0	-	-	0

Tribal

No Tribal additional environmental record sources available for this State.

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
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County	No County additional environmental record sources available for this State.							
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Total:	3	6	2	6	0	17
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* PO – Property Only

* 'Property and adjoining properties' database search radii are set at 0.25 miles.

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<u>1</u>	MRDS	CINDER PIT	COCONINO COUNTY FLAGSTAFF AZ 86005 <i>Dep ID: 10024125</i>	W	0.00 / 0.00	-4	<u>19</u>
<u>2</u>	MRDS	FLAGSTAFF WEST NO. 2 CINDER PIT	COCONINO COUNTY FLAGSTAFF AZ 86005 <i>Dep ID: 10064199</i>	W	0.00 / 0.00	-6	<u>19</u>
<u>3</u>	MRDS	CINDER PIT	COCONINO COUNTY FLAGSTAFF AZ 86005 <i>Dep ID: 10185713</i>	W	0.00 / 0.00	-6	<u>20</u>

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
4	FINDS/FRS	PERSIDIO IN THE PINES OFF-SITE WATER TANK/SEWER IMPROVEMENT	NO ADDRESS ON RECORD FLAGSTAFF AZ 86004	NW	0.02 / 79.94	-40	20
			Registry ID: 110039284422				
5	RCRA VSQG	WL GORE & ASSOCIATES - ECHO RIDGE	3250 W KILTIE LN FLAGSTAFF AZ 86005	NW	0.06 / 341.59	-11	21
			EPA Handler ID: AZR000501619				
5	TIER 2	Echo Ridge	3250 W Kiltie Ln Flagstaff AZ 86005	NW	0.06 / 341.59	-11	27
6	AST	Flagstaff Ranch Golf Club Maintenance	3243 West Kiltie Lane Flagstaff AZ	NW	0.08 / 418.62	-7	27
7	RCRA SQG	WL GORE & ASSOCIATES - WOODY SPRINGS	3450 W KILTIE LN FLAGSTAFF AZ 86005	NW	0.11 / 569.90	-1	27
			EPA Handler ID: AZR000501627				
7	TIER 2	Woody Springs	3450 W Kiltie Ln Flagstaff AZ 86005	NW	0.11 / 569.90	-1	33
8	MRDS	FLAGSTAFF WEST NO. 4 CINDER PIT	COCONINO COUNTY FLAGSTAFF AZ 86005	WNW	0.20 / 1,072.08	30	33
			Dep ID: 10024053				
9	MRDS	CINDER PIT	COCONINO COUNTY FLAGSTAFF AZ 86005	WNW	0.21 / 1,128.86	32	33
			Dep ID: 10113077				
10	PFAS TRI	W L GORE & ASSOCIATES INC	3650 W KILTIE LN FLAGSTAFF AZ 86005	NW	0.27 / 1,423.53	7	34
11	MRDS	LAVA CLAIM	COCONINO COUNTY FLAGSTAFF AZ 86005	WSW	0.33 / 1,737.15	36	37
			Dep ID: 10063229				
12	MRDS	CINDER PITS	COCONINO COUNTY FLAGSTAFF AZ 86005	WSW	0.33 / 1,759.94	7	38
			Dep ID: 10024123				

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
<u>13</u>	MRDS	CINDER PIT	COCONINO COUNTY FLAGSTAFF AZ 86005 <i>Dep ID: 10234278</i>	W	0.38 / 2,005.51	68	<u>38</u>
<u>13</u>	MRDS	FLAGSTAFF WEST NO. 5 CINDER PIT	COCONINO COUNTY FLAGSTAFF AZ 86005 <i>Dep ID: 10024054</i>	W	0.38 / 2,005.51	68	<u>38</u>
<u>14</u>	MRDS	LAVA CLAIM	COCONINO COUNTY FLAGSTAFF AZ 86005 <i>Dep ID: 10258117</i>	WSW	0.42 / 2,212.77	181	<u>39</u>

Executive Summary: Summary by Data Source

Standard

Federal

RCRA SQG - RCRA Small Quantity Generators List

A search of the RCRA SQG database, dated Jun 14, 2021 has found that there are 1 RCRA SQG site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WL GORE & ASSOCIATES - WOODY SPRINGS	3450 W KILTIE LN FLAGSTAFF AZ 86005	NW	0.11 / 569.90	<u>7</u>
<i>EPA Handler ID: AZR000501627</i>				

RCRA VSQG - RCRA Very Small Quantity Generators List

A search of the RCRA VSQG database, dated Jun 14, 2021 has found that there are 1 RCRA VSQG site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WL GORE & ASSOCIATES - ECHO RIDGE	3250 W KILTIE LN FLAGSTAFF AZ 86005	NW	0.06 / 341.59	<u>5</u>
<i>EPA Handler ID: AZR000501619</i>				

State

AST - Aboveground Storage Tanks

A search of the AST database, dated Sep 29, 2015 has found that there are 1 AST site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Flagstaff Ranch Golf Club Maintenance	3243 West Kiltie Lane Flagstaff AZ	NW	0.08 / 418.62	<u>6</u>

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Nov 2, 2020 has found that there are 1 FINDS/FRS site(s) within approximately 0.02 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
PERSIDIO IN THE PINES OFF- SITE WATER TANK/SEWER IMPROVEMENT	NO ADDRESS ON RECORD FLAGSTAFF AZ 86004	NW	0.02 / 79.94	<u>4</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
<i>Registry ID: 110039284422</i>				

PFAS TRI - Perfluorinated Alkyl Substances (PFAS) Releases

A search of the PFAS TRI database, dated Aug 24, 2021 has found that there are 1 PFAS TRI site(s) within approximately 0.50 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
W L GORE & ASSOCIATES INC	3650 W KILTIE LN FLAGSTAFF AZ 86005	NW	0.27 / 1,423.53	<u>10</u>

MRDS - Mineral Resource Data System

A search of the MRDS database, dated Mar 15, 2006 has found that there are 10 MRDS site(s) within approximately 1.00 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
FLAGSTAFF WEST NO. 4 CINDER PIT	COCONINO COUNTY FLAGSTAFF AZ 86005 <i>Dep ID: 10024053</i>	WNW	0.20 / 1,072.08	<u>8</u>
CINDER PIT	COCONINO COUNTY FLAGSTAFF AZ 86005 <i>Dep ID: 10113077</i>	WNW	0.21 / 1,128.86	<u>9</u>
LAVA CLAIM	COCONINO COUNTY FLAGSTAFF AZ 86005 <i>Dep ID: 10063229</i>	WSW	0.33 / 1,737.15	<u>11</u>
CINDER PITS	COCONINO COUNTY FLAGSTAFF AZ 86005 <i>Dep ID: 10024123</i>	WSW	0.33 / 1,759.94	<u>12</u>
FLAGSTAFF WEST NO. 5 CINDER PIT	COCONINO COUNTY FLAGSTAFF AZ 86005 <i>Dep ID: 10024054</i>	W	0.38 / 2,005.51	<u>13</u>
CINDER PIT	COCONINO COUNTY FLAGSTAFF AZ 86005 <i>Dep ID: 10234278</i>	W	0.38 / 2,005.51	<u>13</u>
LAVA CLAIM	COCONINO COUNTY FLAGSTAFF AZ 86005 <i>Dep ID: 10258117</i>	WSW	0.42 / 2,212.77	<u>14</u>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
CINDER PIT	COCONINO COUNTY FLAGSTAFF AZ 86005 <i>Dep ID: 10024125</i>	W	0.00 / 0.00	<u>1</u>

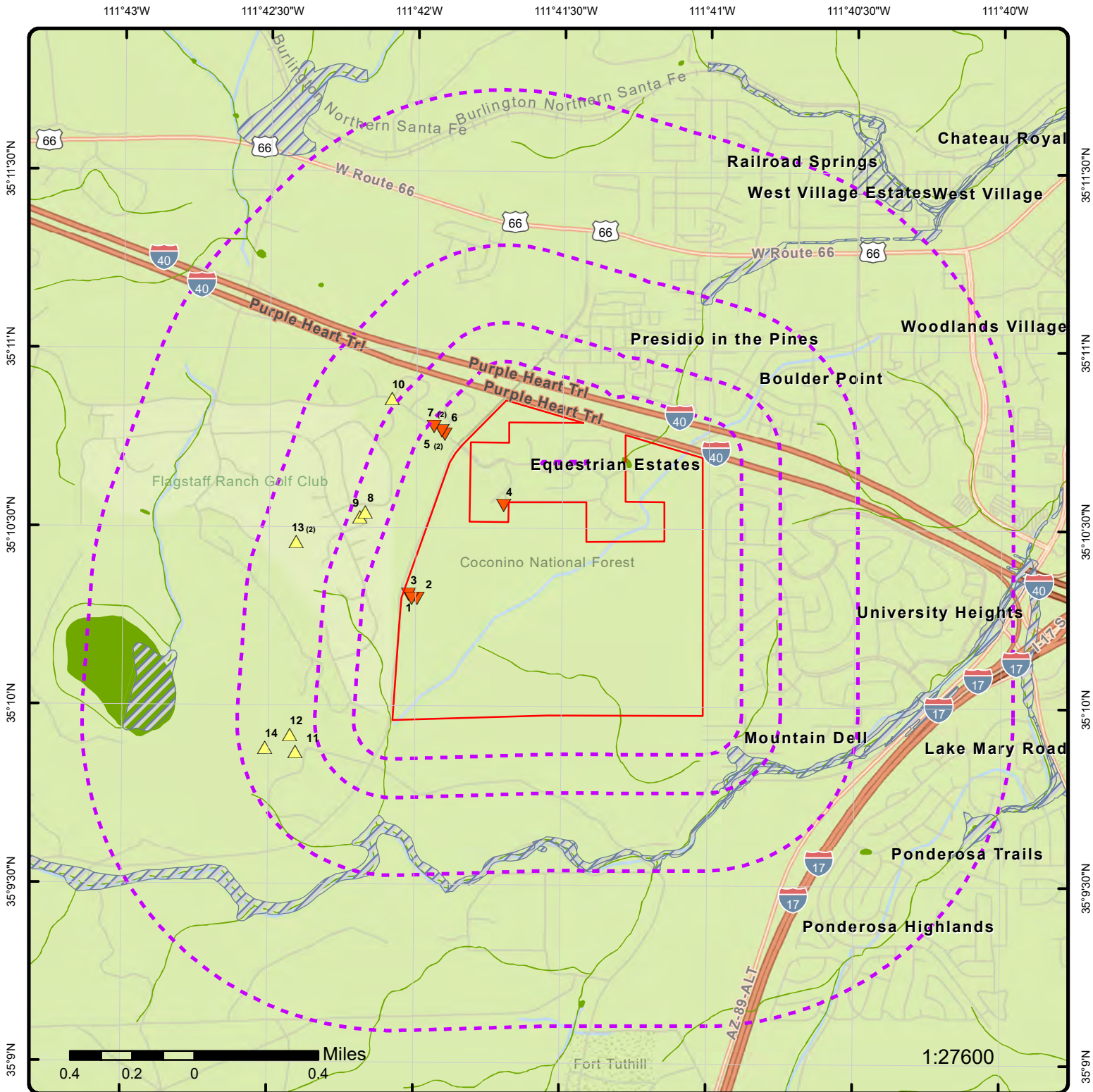
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
FLAGSTAFF WEST NO. 2 CINDER PIT	COCONINO COUNTY FLAGSTAFF AZ 86005 <i>Dep ID: 10064199</i>	W	0.00 / 0.00	<u>2</u>
CINDER PIT	COCONINO COUNTY FLAGSTAFF AZ 86005 <i>Dep ID: 10185713</i>	W	0.00 / 0.00	<u>3</u>

State

TIER 2 - Tier 2 Chemical Inventory Reporting

A search of the TIER 2 database, dated Dec 31, 2018 has found that there are 2 TIER 2 site(s) within approximately 0.12 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Echo Ridge	3250 W Kiltie Ln Flagstaff AZ 86005	NW	0.06 / 341.59	<u>5</u>
Woody Springs	3450 W Kiltie Ln Flagstaff AZ 86005	NW	0.11 / 569.90	<u>7</u>



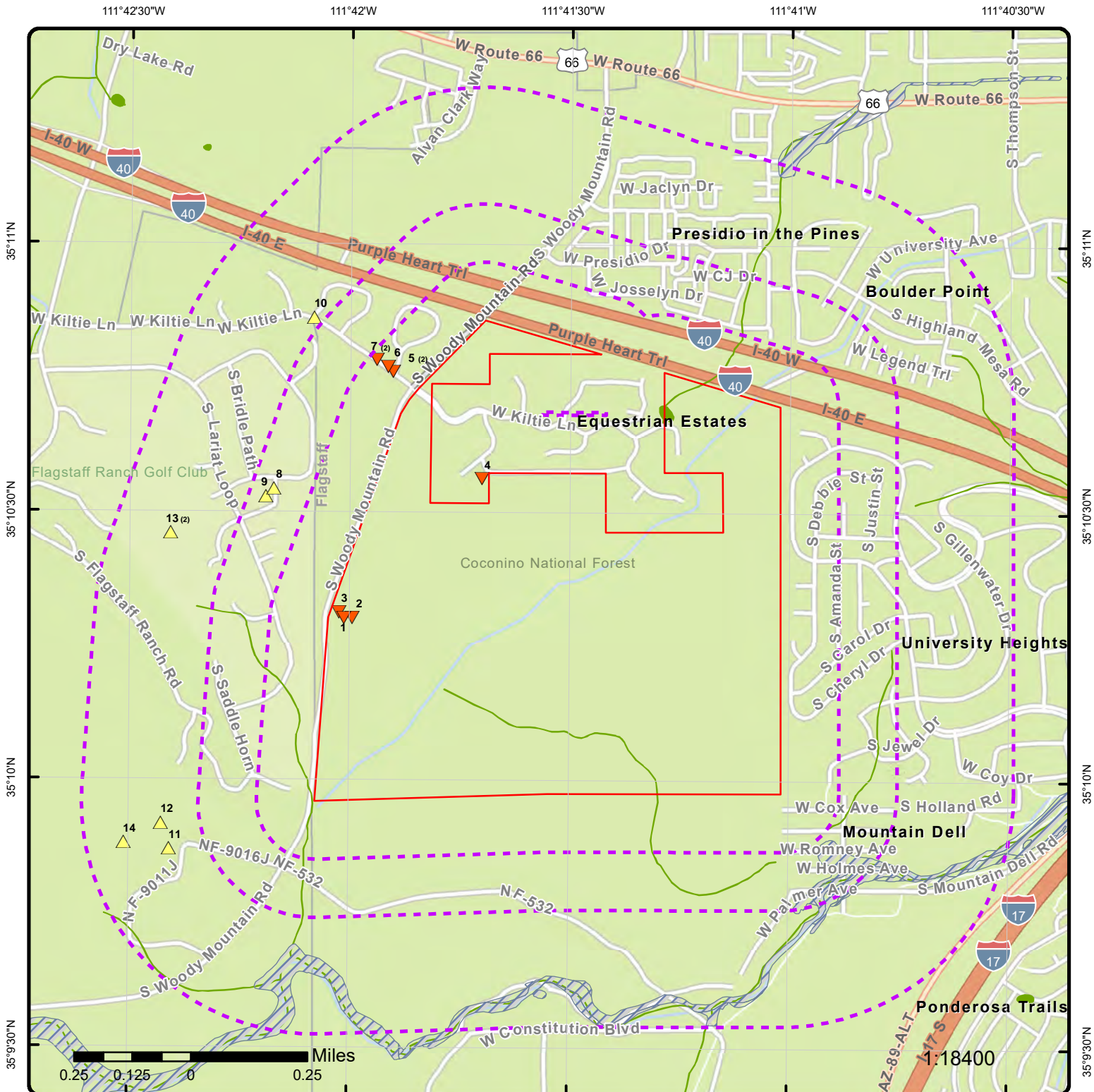
Map: 1.0 Mile Radius

Order Number: 21101500416

Address: Purchase Application 53-122456-00-100, Flagstaff, AZ



 Project Property	 Buffer Outline	 State	 FWS Special Designation Areas
▲ Eris Sites with Higher Elevation	 Freeways; Highways	 Country	 State Brownfield Sites
■ Eris Sites with Same Elevation	 Traffic Circle; Ramp	 National Priority List Sites	 State Brownfield Areas
▼ Eris Sites with Lower Elevation	 Major & Minor Arterial	 National Wetland	 State Superfund Areas: Dept. of Defense
○ Eris Sites with Unknown Elevation	 Traffic Circle; Ramp	 Indian Reserve Land	 State Superfund Areas: NPL
 Eris Areas with Higher Elevation	 Local Road	 Historic Fill	 WQARF Areas
 Eris Areas with Same Elevation	 Rail	 100 Year Flood Zone	 Federal Lands: Dept. of Defense (owned/administered areas)
 Eris Areas with Lower Elevation		 500 Year Flood Zone	 Plume
 Eris Areas with Unknown Elevation			



Map: 0.5 Mile Radius

Order Number: 21101500416

Address: Purchase Application 53-122456-00-100, Flagstaff, AZ

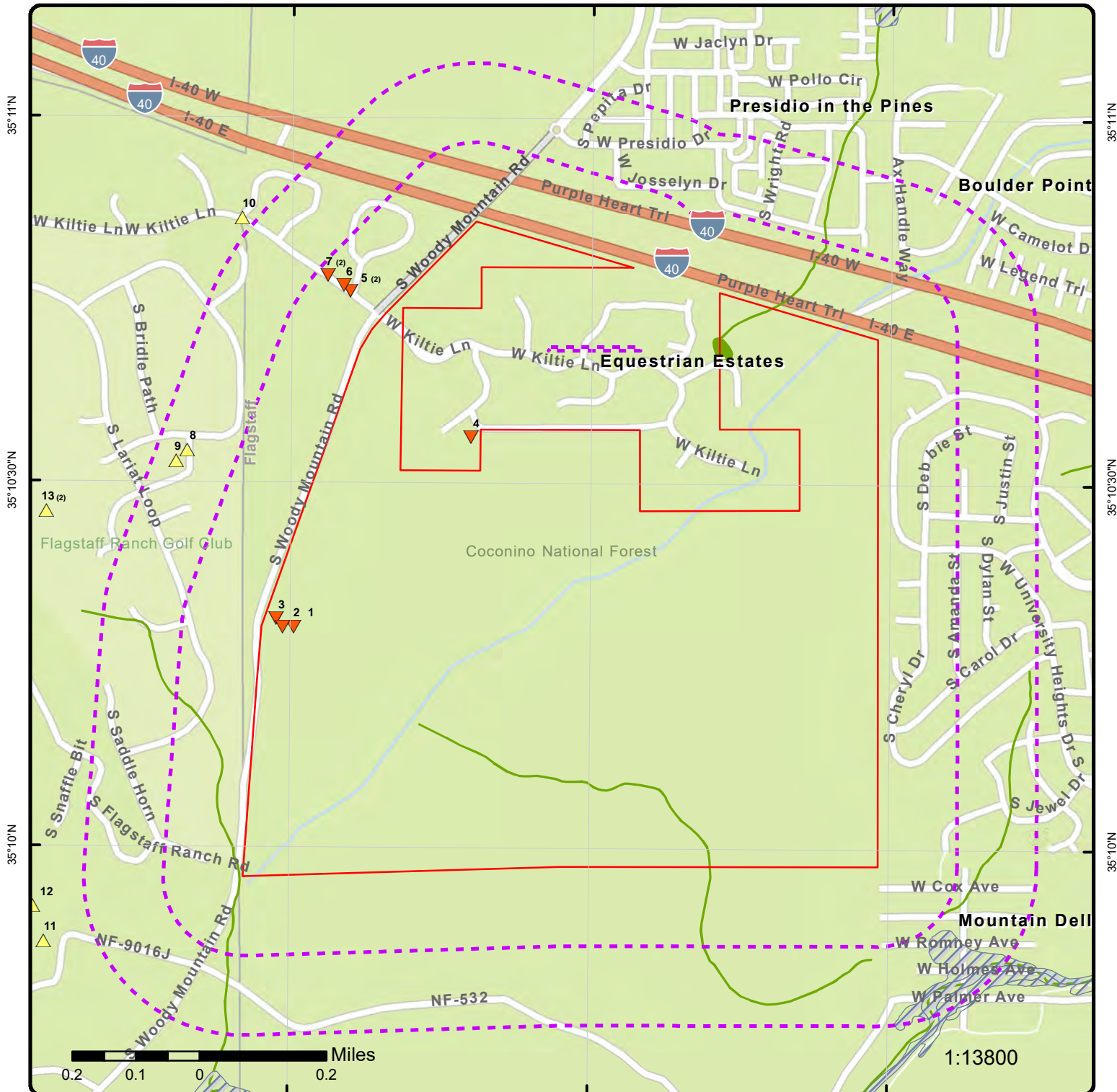


 Project Property	 Buffer Outline	 Freeways; Highways	 State	 FWS Special Designation Areas
▲ Eris Sites with Higher Elevation	▲ Eris Sites with Same Elevation	 Traffic Circle; Ramp	 Country	 State Brownfield Sites
▼ Eris Sites with Lower Elevation	○ Eris Sites with Unknown Elevation	 Major & Minor Arterial	 National Priority List Sites	 State Brownfield Areas
 Eris Areas with Higher Elevation	 Eris Areas with Same Elevation	 Traffic Circle; Ramp	 National Wetland	 State Superfund Areas: Dept. of Defense
 Eris Areas with Lower Elevation	 Eris Areas with Unknown Elevation	 Local Road	 Indian Reserve Land	 State Superfund Areas: NPL
 Eris Areas with Unknown Elevation		 Rail	 Historic Fill	 WQARF Areas
			 100 Year Flood Zone	 Federal Lands: Dept. of Defense (owned/administered areas)
			 500 Year Flood Zone	 Plume

111°42'W

111°41'30"W

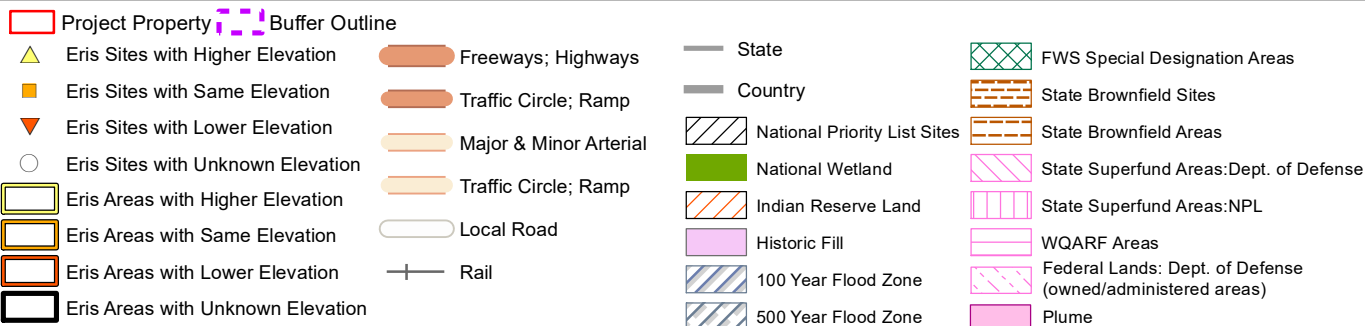
111°41'W



Map: 0.25 Mile Radius

Order Number: 21101500416

Address: Purchase Application 53-122456-00-100, Flagstaff, AZ



111°42'W

111°41'30"W

111°41'W

35°11'N

35°11'N

35°10'30"N

35°10'30"N

35°10'N

35°10'N

0.1 0.05 0 0.1 Miles

1:10000

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Aerial Year: 2020

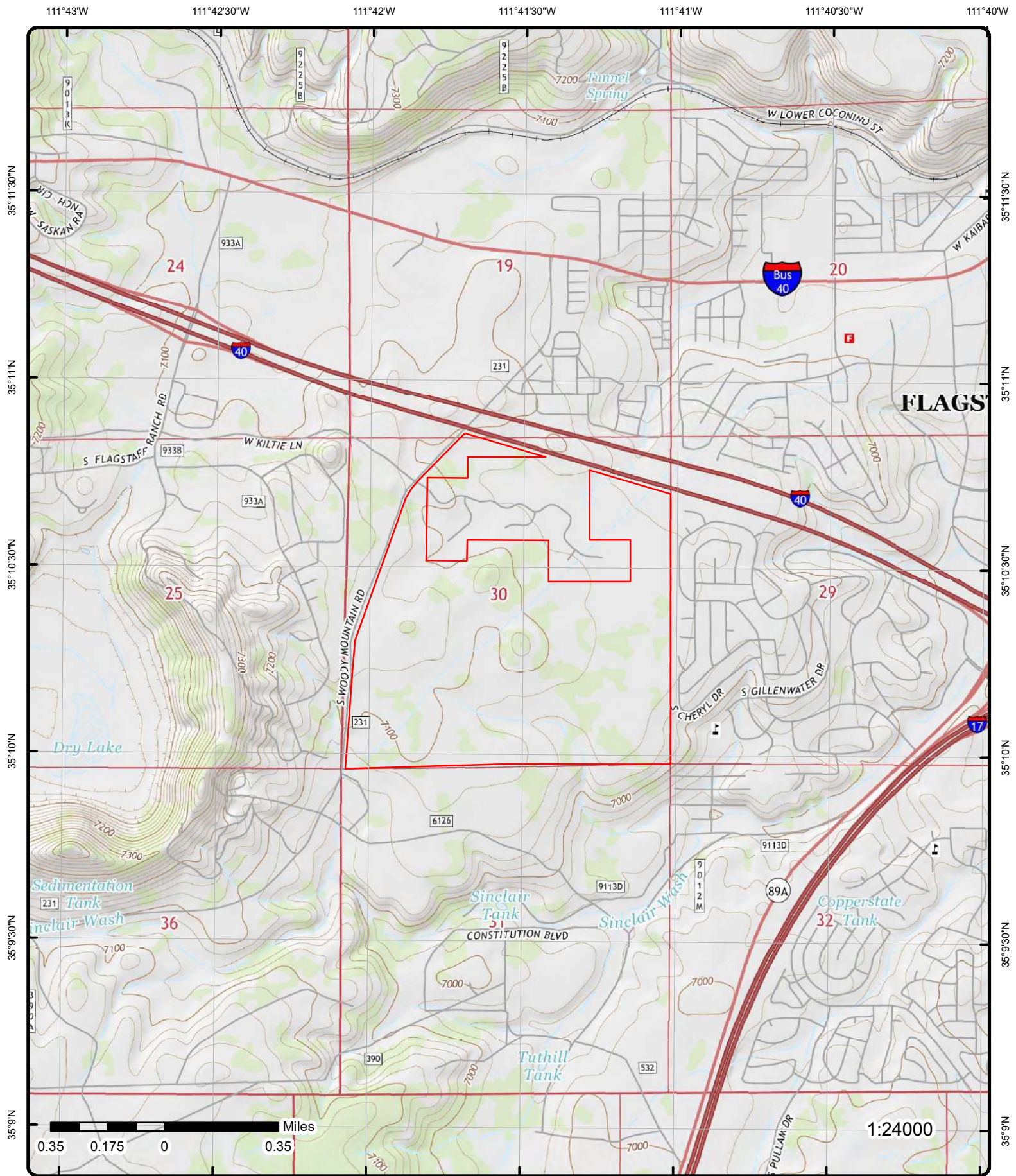
Order Number: 21101500416

Address: Purchase Application 53-122456-00-100, Flagstaff, AZ



© ERIS Information Inc.

Source: ESRI World Imagery



Topographic Map

Year: 2014

Order Number: 21101500416

Address: Purchase Application 53-122456-00-100, AZ

Quadrangle(s): Flagstaff West, AZ

Source: USGS Topographic Map



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Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 1	W	0.00 / 0.00	7,124.30 / -4	CINDER PIT COCONINO COUNTY FLAGSTAFF AZ 86005	MRDS
Dep ID: 10024125 I1: 16 Dev Status: PAST PRODUCER Latitude: 35.171692 Code List: VOL Longitude: -111.69989 Url: http://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10024125						
Commodity						
I1: 30 Line: 1 Code: VOL Inserted By: MRDS migration Commodity: Volcanic Materials Insert Date: 29-OCT-2002 09:00:24 Commodity Type: Non-metallic Updated By: USGS Commodity Group: Volcanic Materia Update Date: 29-OCT-2002 09:00:37 Importance: Primary						
Names						
I1: 42 Inserted By: MRDS migration Status: Current Insert Date: 29-OCT-02 Site Name: Cinder Pit Updated By: USGS Line: 1 Update Date: 29-OCT-02						
2	1 of 1	W	0.00 / 0.00	7,122.57 / -6	FLAGSTAFF WEST NO. 2 CINDER PIT COCONINO COUNTY FLAGSTAFF AZ 86005	MRDS
Dep ID: 10064199 I1: 28 Dev Status: PAST PRODUCER Latitude: 35.171692 Code List: VOL Longitude: -111.700195 Url: http://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10064199						
Commodity						
I1: 23 Line: 1 Code: VOL Inserted By: MRDS migration Commodity: Volcanic Materials Insert Date: 29-OCT-2002 09:00:24 Commodity Type: Non-metallic Updated By: USGS Commodity Group: Volcanic Materia Update Date: 29-OCT-2002 09:00:56 Importance: Primary						
Materials						
I1: 12 Inserted B: MRDS migration Material: Cinders Insert Dat: 29-OCT-2002 09:44:3 Ore or Gangue: Ore Updated By: Rec: 1 Update Dat:						
Names						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
I1:	17				Inserted By:	MRDS migration
Status:	Current				Insert Date:	29-OCT-02
Site Name:	Flagstaff West No. 2 Cinder Pit				Updated By:	USGS
Line:	1				Update Date:	29-OCT-02
3	1 of 1	W	0.00 / 0.00	7,122.84 / -6	CINDER PIT COCONINO COUNTY FLAGSTAFF AZ 86005	MRDS
Dep ID:	10185713			I1:	16	
Dev Status:	UNKNOWN			Latitude:	35.171875	
Code List:	PUM			Longitude:	-111.700378	
Url:	http://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10185713					
<u>Commodity</u>						
I1:	10			Line:	1	
Code:	PUM			Inserted By:	MAS migration	
Commodity:	Pumice			Insert Date:	29-OCT-2002 09:00:24	
Commodity Type:	Non-metallic			Updated By:	USGS	
Commodity Group:	Pumice			Update Date:	29-OCT-2002 09:01:46	
Importance:	Primary					
<u>Names</u>						
I1:	22			Inserted By:	MAS migration	
Status:	Current			Insert Date:	29-OCT-02	
Site Name:	Cinder Pit			Updated By:	USGS	
Line:	1			Update Date:	29-OCT-02	
4	1 of 1	NW	0.02 / 79.94	7,088.15 / -40	PERSIDIO IN THE PINES OFF-SITE WATER TANK/SEWER IMPROVEMENT NO ADDRESS ON RECORD FLAGSTAFF AZ 86004	FINDS/FRS
Registry ID:	110039284422					
FIPS Code:	04005					
HUC Code:	15020015					
Site Type Name:	STATIONARY					
Location Description:	FLAGSTAFF					
Supplemental Location:						
Create Date:	21-SEP-09					
Update Date:						
Interest Types:	STATE MASTER					
SIC Codes:						
SIC Code Descriptions:						
NAICS Codes:						
NAICS Code Descriptions:						
Conveyor:	AZURITE					
Federal Facility Code:						
Federal Agency Name:						
Tribal Land Code:						
Tribal Land Name:						
Congressional Dist No:	01					
Census Block Code:	040050011011011					
EPA Region Code:	09					
County Name:	COCONINO					
US/Mexico Border Ind:						
Latitude:	35.176036					
Longitude:	-111.695					
Reference Point:						
Coord Collection Method:	UNKNOWN					
Accuracy Value:						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Datum:		NAD83				
Source:						
Facility Detail Rprt URL:		https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110039284422				
Program Acronyms:						
AZURITE:23602						

5	1 of 2	NW	0.06 / 341.59	7,117.09 / -11	WL GORE & ASSOCIATES - ECHO RIDGE 3250 W KILTIE LN FLAGSTAFF AZ 86005	RCRA VSQG
EPA Handler ID:		AZR000501619				
Gen Status Universe:		VSG				
Contact Name:		KRISTA GOOCH				
Contact Address:		4100 W KILTIE LN , , FLAGSTAFF , AZ, 86005 , US				
Contact Phone No and Ext:		928-864-3488				
Contact Email:		KGOOCH@WLGORE.COM				
Contact Country:		US				
County Name:		COCONINO				
EPA Region:		09				
Land Type:		Private				
Receive Date:		20200127				
Location Latitude:		35.179353				
Location Longitude:		-111.698377				

Violation/Evaluation Summary

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Jun, 2021.

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: Generators - General
Violation Type: 262.A
Violation Determined Date: 20090818
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20091109
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 145
Enforcement Type Description:
Enforcement Action Date: 20090911
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 161
Enforcement Type Description:
Enforcement Action Date: 20091109
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Paid Amount:

Enforcement Type: 117
Enforcement Type Description:
Enforcement Action Date: 20091026
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20091022
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 161
Enforcement Type Description:
Enforcement Action Date: 20090902
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 161
Enforcement Type Description:
Enforcement Action Date: 20090928
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Evaluation Details

Evaluation Start Date: 20090818
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: Generators - General
Return to Compliance Date: 20091109
Evaluation Agency: State

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20060103
Handler Name: WL GORE & ASSOCIATES INC ECHO RIDGE
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20070228
Handler Name: WL GORE & ASSOCIATES - ECHO RIDGE
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20080215
Handler Name: WL GORE & ASSOCIATES - ECHO RIDGE
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20090225
Handler Name: WL GORE & ASSOCIATES - ECHO RIDGE
Federal Waste Generator Code: 2

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Generator Code Description:	Small Quantity Generator
Source Type:	Implementer

Hazardous Waste Handler Details

Sequence No:	4
Receive Date:	20100219
Handler Name:	WL GORE & ASSOCIATES - ECHO RIDGE
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Implementer

Hazardous Waste Handler Details

Sequence No:	5
Receive Date:	20110223
Handler Name:	WL GORE & ASSOCIATES - ECHO RIDGE
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Implementer

Hazardous Waste Handler Details

Sequence No:	6
Receive Date:	20120227
Handler Name:	WL GORE & ASSOCIATES - ECHO RIDGE
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Implementer

Hazardous Waste Handler Details

Sequence No:	7
Receive Date:	20130226
Handler Name:	WL GORE & ASSOCIATES - ECHO RIDGE
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Implementer

Hazardous Waste Handler Details

Sequence No:	8
Receive Date:	20140220
Handler Name:	WL GORE & ASSOCIATES - ECHO RIDGE
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Implementer

Hazardous Waste Handler Details

Sequence No:	9
Receive Date:	20150219
Handler Name:	WL GORE & ASSOCIATES - ECHO RIDGE
Federal Waste Generator Code:	2
Generator Code Description:	Small Quantity Generator
Source Type:	Implementer

Hazardous Waste Handler Details

Sequence No:	2
Receive Date:	20151027

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Handler Name: WL GORE & ASSOCIATES - ECHO RIDGE
Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Handler Details

Sequence No: 10
Receive Date: 20160413
Handler Name: WL GORE & ASSOCIATES - ECHO RIDGE
Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 11
Receive Date: 20190107
Handler Name: WL GORE & ASSOCIATES - ECHO RIDGE
Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 12
Receive Date: 20200127
Handler Name: WL GORE & ASSOCIATES - ECHO RIDGE
Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind: Current Operator Type: Private Name: W. L. GORE & ASSOCIATES, INC. Date Became Current: 19920331 Date Ended Current: Phone: 701-261-5153 Source Type: Notification	Street No: Street 1: 4100 W KILTIE LN Street 2: City: FLAGSTAFF State: Country: Zip Code: 86005-8713
Owner/Operator Ind: Current Owner Type: Private Name: W. L. GORE & ASSOCIATES, INC. Date Became Current: 19900331 Date Ended Current: Phone: 701-261-5153 Source Type: Notification	Street No: Street 1: 4100 W KILTIE LN Street 2: City: FLAGSTAFF State: Country: Zip Code: 86005-8713
Owner/Operator Ind: Current Operator Type: Private Name: WL GORE & ASSOCIATES INC Date Became Current: 19920331 Date Ended Current:	Street No: Street 1: 3250 W KILTIE LN Street 2: City: FLAGSTAFF State: AZ

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
<hr/>						
Phone:				Country:	US	
Source Type:	Notification			Zip Code:	86001	
Owner/Operator Ind:	Current Operator			Street No:		
Type:	Private			Street 1:	4100 W KILTIE LN	
Name:	W. L. GORE & ASSOCIATES, INC.			Street 2:		
Date Became Current:	19920331			City:	FLAGSTAFF	
Date Ended Current:				State:	AZ	
Phone:				Country:	US	
Source Type:	Implementer			Zip Code:	86005	
Owner/Operator Ind:	Current Owner			Street No:		
Type:	Private			Street 1:	3250 W KILTIE LN	
Name:	WL GORE & ASSOCIATES INC			Street 2:		
Date Became Current:	19900331			City:	FLAGSTAFF	
Date Ended Current:				State:	AZ	
Phone:				Country:	US	
Source Type:	Notification			Zip Code:	86001	

Historical Handler Details

Receive Dt: 20190107
Generator Code Description: Very Small Quantity Generator
Handler Name: WL GORE & ASSOCIATES - ECHO RIDGE

Receive Dt: 20160413
Generator Code Description: Very Small Quantity Generator
Handler Name: WL GORE & ASSOCIATES - ECHO RIDGE

Receive Dt: 20151027
Generator Code Description: Very Small Quantity Generator
Handler Name: WL GORE & ASSOCIATES - ECHO RIDGE

Receive Dt: 20150219
Generator Code Description: Small Quantity Generator
Handler Name: WL GORE & ASSOCIATES - ECHO RIDGE

Receive Dt: 20140220
Generator Code Description: Small Quantity Generator
Handler Name: WL GORE & ASSOCIATES - ECHO RIDGE

Receive Dt: 20130226
Generator Code Description: Small Quantity Generator
Handler Name: WL GORE & ASSOCIATES - ECHO RIDGE

Receive Dt: 20120227
Generator Code Description: Small Quantity Generator
Handler Name: WL GORE & ASSOCIATES - ECHO RIDGE

Receive Dt: 20110223
Generator Code Description: Small Quantity Generator
Handler Name: WL GORE & ASSOCIATES - ECHO RIDGE

Receive Dt: 20100219
Generator Code Description: Small Quantity Generator
Handler Name: WL GORE & ASSOCIATES - ECHO RIDGE

Receive Dt: 20090225
Generator Code Description: Small Quantity Generator
Handler Name: WL GORE & ASSOCIATES - ECHO RIDGE

Receive Dt: 20080215
Generator Code Description: Small Quantity Generator
Handler Name: WL GORE & ASSOCIATES - ECHO RIDGE

Receive Dt: 20070228
Generator Code Description: Small Quantity Generator
Handler Name: WL GORE & ASSOCIATES - ECHO RIDGE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Receive Dt:		20060103				
Generator Code Description:		Small Quantity Generator				
Handler Name:		WL GORE & ASSOCIATES INC ECHO RIDGE				
5	2 of 2	NW	0.06 / 341.59	7,117.09 / -11	Echo Ridge 3250 W Kiltie Ln Flagstaff AZ 86005	TIER 2
ID:		292578				
Is Closed?:		Not closed				
T2 Year:		2018				
County:		Coconino				
Latitude:		35.18073				
Longitude:		-111.697526				
Driving Directions:		NULL				
6	1 of 1	NW	0.08 / 418.62	7,121.26 / -7	Flagstaff Ranch Golf Club Maintenance 3243 West Kiltie Lane Flagstaff AZ	AST
--Details--						
Status:		Not Approved				
Approval Dt:						
Permit:		877				
Submitter:		Abbott-Rhoton Investments				
Permit Year:		2012				
Submitter Ph:		928-699-1169				
Memo:		AGST.				
7	1 of 2	NW	0.11 / 569.90	7,127.12 / -1	WL GORE & ASSOCIATES - WOODY SPRINGS 3450 W KILTIE LN FLAGSTAFF AZ 86005	RCRA SQG
EPA Handler ID:		AZR000501627				
Gen Status Universe:		Small Quantity Generator				
Contact Name:		KRISTA GOOCH				
Contact Address:		4100 W KILTIE LN , , FLAGSTAFF , AZ, 86005 , US				
Contact Phone No and Ext:		928-864-3488				
Contact Email:		KGOOCH@WLGORE.COM				
Contact Country:		US				
County Name:		COCONINO				
EPA Region:		09				
Land Type:		Other				
Receive Date:		20200127				
Location Latitude:		35.179723				
Location Longitude:		-111.698994				
<u>Violation/Evaluation Summary</u>						
Note:		VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Jun, 2021.				
<u>Violation Details</u>						
Found Violation:		Yes				
Citation:						
Violation Short Description:		Generators - General				

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Violation Type:		262.A				
Violation Determined Date:		20090818				
Scheduled Compliance Date:						
Return to Compliance:		Documented				
Actual Return to Compl:		20091109				
Violation Responsible Agency:		State				
<u>Enforcement Details</u>						
Enforcement Type:		161				
Enforcement Type Description:						
Enforcement Action Date:		20091109				
Enf Disposition Status:						
Disposition Status Date:						
Enforcement Lead Agency:		State				
Proposed Penalty Amount:						
Final Amount:						
Paid Amount:						
Enforcement Type:		120				
Enforcement Type Description:		WRITTEN INFORMAL				
Enforcement Action Date:		20091022				
Enf Disposition Status:						
Disposition Status Date:						
Enforcement Lead Agency:		State				
Proposed Penalty Amount:						
Final Amount:						
Paid Amount:						
Enforcement Type:		117				
Enforcement Type Description:						
Enforcement Action Date:		20091026				
Enf Disposition Status:						
Disposition Status Date:						
Enforcement Lead Agency:		State				
Proposed Penalty Amount:						
Final Amount:						
Paid Amount:						
Enforcement Type:		161				
Enforcement Type Description:						
Enforcement Action Date:		20090902				
Enf Disposition Status:						
Disposition Status Date:						
Enforcement Lead Agency:		State				
Proposed Penalty Amount:						
Final Amount:						
Paid Amount:						
Enforcement Type:		145				
Enforcement Type Description:						
Enforcement Action Date:		20090911				
Enf Disposition Status:						
Disposition Status Date:						
Enforcement Lead Agency:		State				
Proposed Penalty Amount:						
Final Amount:						
Paid Amount:						
Enforcement Type:		161				
Enforcement Type Description:						
Enforcement Action Date:		20090928				
Enf Disposition Status:						
Disposition Status Date:						
Enforcement Lead Agency:		State				
Proposed Penalty Amount:						
Final Amount:						
Paid Amount:						

Evaluation Details

Evaluation Start Date: 20090818
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description: Generators - General
Return to Compliance Date: 20091109
Evaluation Agency: State

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20060103
Handler Name: WL GORE & ASSOCIATES INC WOODY SPRINGS
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D009
Waste Code Description: MERCURY

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20070228
Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20080215
Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20090225
Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20100219
Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 20110223
Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 6
Receive Date: 20120227
Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 7
Receive Date: 20130226
Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 8
Receive Date: 20140220
Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 9
Receive Date: 20150219
Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 10
 Receive Date: 20160413
 Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS
 Federal Waste Generator Code: 2
 Generator Code Description: Small Quantity Generator
 Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 11
 Receive Date: 20170223
 Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS
 Federal Waste Generator Code: 2
 Generator Code Description: Small Quantity Generator
 Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 13
 Receive Date: 20180207
 Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS
 Federal Waste Generator Code: 2
 Generator Code Description: Small Quantity Generator
 Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 14
 Receive Date: 20190109
 Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS
 Federal Waste Generator Code: 2
 Generator Code Description: Small Quantity Generator
 Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 15
 Receive Date: 20200127
 Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS
 Federal Waste Generator Code: 2
 Generator Code Description: Small Quantity Generator
 Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Private	Street 1:	4100 W KILTIE LN
Name:	W. L. GORE & ASSOCIATES, INC.	Street 2:	
Date Became Current:	19920831	City:	FLAGSTAFF
Date Ended Current:		State:	AZ
Phone:		Country:	US
Source Type:	Implementer	Zip Code:	86005

Owner/Operator Ind:	Current Owner	Street No:	
Type:	Private	Street 1:	3450 W KILTIE LN
Name:	WL GORE & ASSOCIATES INC	Street 2:	
Date Became Current:	19900331	City:	FLAGSTAFF
Date Ended Current:		State:	AZ

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Phone:			Country:		US	
Source Type:		Notification	Zip Code:		86001	
Owner/Operator Ind:		Current Operator	Street No:			
Type:		Private	Street 1:		3450 W KILTIE LN	
Name:		WL GORE & ASSOCIATES INC	Street 2:			
Date Became Current:		19920831	City:		FLAGSTAFF	
Date Ended Current:			State:		AZ	
Phone:			Country:		US	
Source Type:		Notification	Zip Code:		86001	

Historical Handler Details

Receive Dt: 20190109
Generator Code Description: Small Quantity Generator
Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS

Receive Dt: 20180207
Generator Code Description: Small Quantity Generator
Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS

Receive Dt: 20170223
Generator Code Description: Small Quantity Generator
Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS

Receive Dt: 20160413
Generator Code Description: Small Quantity Generator
Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS

Receive Dt: 20150219
Generator Code Description: Small Quantity Generator
Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS

Receive Dt: 20140220
Generator Code Description: Small Quantity Generator
Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS

Receive Dt: 20130226
Generator Code Description: Small Quantity Generator
Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS

Receive Dt: 20120227
Generator Code Description: Small Quantity Generator
Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS

Receive Dt: 20110223
Generator Code Description: Small Quantity Generator
Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS

Receive Dt: 20100219
Generator Code Description: Small Quantity Generator
Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS

Receive Dt: 20090225
Generator Code Description: Small Quantity Generator
Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS

Receive Dt: 20080215
Generator Code Description: Small Quantity Generator
Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS

Receive Dt: 20070228
Generator Code Description: Small Quantity Generator
Handler Name: WL GORE & ASSOCIATES - WOODY SPRINGS

Receive Dt: 20060103
Generator Code Description: Small Quantity Generator
Handler Name: WL GORE & ASSOCIATES INC WOODY SPRINGS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	2 of 2	NW	0.11 / 569.90	7,127.12 / -1	Woody Springs 3450 W Kiltie Ln Flagstaff AZ 86005	TIER 2
ID:		292622				
Is Closed?:		Not closed				
T2 Year:		2018				
County:		Coconino				
Latitude:		35.181565				
Longitude:		-111.70024				
Driving Directions:		NULL				
8	1 of 1	WNW	0.20 / 1,072.08	7,158.25 / 30	FLAGSTAFF WEST NO. 4 CINDER PIT COCONINO COUNTY FLAGSTAFF AZ 86005	MRDS
Dep ID:		10024053		I1:		21
Dev Status:		PAST PRODUCER		Latitude:		35.17572
Code List:		VOL		Longitude:		-111.702881
Url:		http://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10024053				
<u>Commodity</u>						
I1:		12		Line:		1
Code:		VOL		Inserted By:		MRDS migration
Commodity:		Volcanic Materials		Insert Date:		29-OCT-2002 09:00:24
Commodity Type:		Non-metallic		Updated By:		USGS
Commodity Group:		Volcanic Materia		Update Date:		29-OCT-2002 09:00:37
Importance:		Primary				
<u>Names</u>						
I1:		28		Inserted By:		MRDS migration
Status:		Current		Insert Date:		29-OCT-02
Site Name:		Flagstaff West No. 4 Cinder Pit		Updated By:		USGS
Line:		1		Update Date:		29-OCT-02
9	1 of 1	WNW	0.21 / 1,128.86	7,160.36 / 32	CINDER PIT COCONINO COUNTY FLAGSTAFF AZ 86005	MRDS
Dep ID:		10113077		I1:		14
Dev Status:		UNKNOWN		Latitude:		35.175476
Code List:		PUM		Longitude:		-111.703186
Url:		http://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10113077				
<u>Commodity</u>						
I1:		34		Line:		1
Code:		PUM		Inserted By:		MAS migration
Commodity:		Pumice		Insert Date:		29-OCT-2002 09:00:24
Commodity Type:		Non-metallic		Updated By:		USGS
Commodity Group:		Pumice		Update Date:		29-OCT-2002 09:01:18
Importance:		Primary				
<u>Names</u>						
I1:		23		Inserted By:		MAS migration
Status:		Current		Insert Date:		29-OCT-02

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Site Name: Line:	Cinder Pit 2				Updated By: Update Date:	USGS 29-OCT-02

[10](#) 1 of 1 NW 0.27 / 1,423.53 7,135.39 / 7 W L GORE & ASSOCIATES INC 3650 W KILTIE LN FLAGSTAFF AZ 86005 PFAS TRI

TRI FD:	86001WLGRSWOODY	Pgm Sys ID (Map):	86001WLGRSWOODY
FRS ID:	110002570940	Registry ID (Map):	110002570940
Facility Name:	W L GORE & ASSOCIATES INC	Primary Name (Map):	WL GORE & ASSOCIATES - ELK HILL
Street Address:	3650 W KILTIE LN	Location Addr (Map):	3650 W KILTIE LN
City:	FLAGSTAFF	City Name (Map):	FLAGSTAFF
County:	COCONINO	County Name (Map):	COCONINO
State:	AZ	State Code (Map):	AZ
Zip:	86005	Postal Code (Map):	86005
Latitude:	35.180821	Latitude83 (Map):	35.180821
Longitude:	-111.697406	Longitude83 (Map):	-111.697406
BIA:		FIPS Code (Map):	04005
Tribe:			
Record Source(s):	TRI Federal Download / Homeland Infrastructure Foundation-Level Data (HIFLD) Open Data Map		

HIFLD Open Data Map Details

Interest Type:	TRI REPORTER	HUC8 Code:	15020015
Active Status:	OPEN	Accuracy Value:	
Pgm Sys Acnrm:	TRIS	Collect Mth Desc:	INTERPOLATION-MAP
Pgm Report:	no data yet	Ref Point Desc:	CENTER OF FACILITY
Public Ind:	Y		
Fac URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110002570940		

1987 Details

TRI FD:	86001WLGRSWOODY	Water:	0
Industry Sector Code:	339	Landfills:	0
Federal Facility:	NO	RCRA C Landfill:	0
Cas No Compound ID:	0000076131	Other Landfills:	0
Classification:	TRI	Land Treatment:	0
Primary SIC:	3842	Surface Impndmnt:	0
Primary NAICS:	339113	RCRA Surface IM:	0
Metal:	NO	Other Surface I:	0
Carcinogen:	NO	Other Disposal:	0
Fugitive Air:	10600	On Site Release Tot:	18500
Stack Air:	7900	Off Site Release Tot:	0
Underground:	0	Off Site Recycled Tot:	0
Underground CL I:	0	Total Releases:	18500
Underground C II-V:	0		
Chemical:	Freon 113 (CFC-113)		
Industry Sector:	Miscellaneous Manufacturing		
Parent Co Name:	NAD83		
Standard Parent Co Name:			

One Time Release:

CAS No:

PFAS:

1988 Details

TRI FD:	86001WLGRSWOODY	Water:	0
Industry Sector Code:	339	Landfills:	0
Federal Facility:	NO	RCRA C Landfill:	0
Cas No Compound ID:	0000076131	Other Landfills:	0
Classification:	TRI	Land Treatment:	0

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Primary SIC:	3842				Surface Impndmnt:	0
Primary NAICS:	339113				RCRA Surface IM:	0
Metal:	NO				Other Surface I:	0
Carcinogen:	NO				Other Disposal:	0
Fugitive Air:	7470				On Site Release Tot:	7470
Stack Air:	0				Off Site Release Tot:	0
Underground:	0				Off Site Recycled Tot:	0
Underground CL I:	0				Total Releases:	7470
Underground C II-V:	0					
Chemical:		Freon 113 (CFC-113)				
Industry Sector:		Miscellaneous Manufacturing				
Parent Co Name:		NAD83				
Standard Parent Co Name:						
One Time Release:						
CAS No:						
PFAS:						

1989 Details

TRI FD:	86001WLGRSWOODY	Water:	0
Industry Sector Code:	339	Landfills:	0
Federal Facility:	NO	RCRA C Landfill:	0
Cas No Compound ID:	0000076131	Other Landfills:	0
Classification:	TRI	Land Treatment:	0
Primary SIC:	3842	Surface Impndmnt:	0
Primary NAICS:	339113	RCRA Surface IM:	0
Metal:	NO	Other Surface I:	0
Carcinogen:	NO	Other Disposal:	0
Fugitive Air:	6923	On Site Release Tot:	6923
Stack Air:	0	Off Site Release Tot:	0
Underground:	0	Off Site Recycled Tot:	0
Underground CL I:	0	Total Releases:	6923
Underground C II-V:	0		
Chemical:	Freon 113 (CFC-113)		
Industry Sector:	Miscellaneous Manufacturing		
Parent Co Name:	NAD83		
Standard Parent Co Name:			
One Time Release:			
CAS No:			
PFAS:			

1990 Details

Industry Sector Code:	339	Water:	0
Federal Facility:	NO	Landfills:	0
Cas No Compound ID:	0000076131	RCRA C Landfill:	0
Classification:	TRI	Other Landfills:	0
Primary SIC:	3842	Land Treatment:	0
Primary NAICS:	339113	Surface Impndmnt:	0
Metal:	NO	RCRA Surface IM:	0
Carcinogen:	NO	Other Surface I:	0
Fugitive Air:	7274	Other Disposal:	0
Stack Air:	0	On Site Release Tot:	7274
Underground:	0	Off Site Release Tot:	0
Underground CL I:	0	Off Site Recycled Tot:	0
Underground C II-V:	0	Total Releases:	7274
TRI FD:	86001WLGRSWOODY		
Chemical:	Freon 113 (CFC-113)		
Industry Sector:	Miscellaneous Manufacturing		
Parent Co Name:	NAD83		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Standard Parent Co Name:

One Time Release:

CAS No:

PFAS:

1991 Details

TRI FD:	86001WLGRSWOODY	Water:	0
Industry Sector Code:	339	Landfills:	0
Federal Facility:	NO	RCRA C Landfill:	0
Cas No Compound ID:	0000076131	Other Landfills:	0
Classification:	TRI	Land Treatment:	0
Primary SIC:	3842	Surface Impndmnt:	0
Primary NAICS:	339113	RCRA Surface IM:	0
Metal:	NO	Other Surface I:	0
Carcinogen:	NO	Other Disposal:	0
Fugitive Air:	5920	On Site Release Tot:	5920
Stack Air:	0	Off Site Release Tot:	0
Underground:	0	Off Site Recycled Tot:	16920
Underground CL I:	0	Total Releases:	5920
Underground C II-V:	0		
Chemical:	Freon 113 (CFC-113)		
Industry Sector:	Miscellaneous Manufacturing		
Parent Co Name:	NAD83		
Standard Parent Co Name:			

One Time Release:

0

CAS No:

PFAS:

1992 Details

TRI FD:	86001WLGRSWOODY	Water:	0
Industry Sector Code:	339	Landfills:	0
Federal Facility:	NO	RCRA C Landfill:	0
Cas No Compound ID:	0000076131	Other Landfills:	0
Classification:	TRI	Land Treatment:	0
Primary SIC:	3842	Surface Impndmnt:	0
Primary NAICS:	339113	RCRA Surface IM:	0
Metal:	NO	Other Surface I:	0
Carcinogen:	NO	Other Disposal:	0
Fugitive Air:	7348	On Site Release Tot:	7348
Stack Air:	0	Off Site Release Tot:	0
Underground:	0	Off Site Recycled Tot:	15752
Underground CL I:	0	Total Releases:	7348
Underground C II-V:	0		
Chemical:	Freon 113 (CFC-113)		
Industry Sector:	Miscellaneous Manufacturing		
Parent Co Name:	NAD83		
Standard Parent Co Name:			

One Time Release:

0

CAS No:

PFAS:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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1993 Details

TRI FD:	86001WLGRSWOODY	Water:	0
Industry Sector Code:	339	Landfills:	0
Federal Facility:	NO	RCRA C Landfill:	0
Cas No Compound ID:	0000076131	Other Landfills:	0
Classification:	TRI	Land Treatment:	0
Primary SIC:	3842	Surface Impndmnt:	0
Primary NAICS:	339113	RCRA Surface IM:	0
Metal:	NO	Other Surface I:	0
Carcinogen:	NO	Other Disposal:	0
Fugitive Air:	8189	On Site Release Tot:	8189
Stack Air:	0	Off Site Release Tot:	0
Underground:	0	Off Site Recycled Tot:	20951
Underground CL I:	0	Total Releases:	8189
Underground C II-V:	0		
Chemical:	Freon 113 (CFC-113)		
Industry Sector:	Miscellaneous Manufacturing		
Parent Co Name:	NAD83		
Standard Parent Co Name:			

One Time Release:

0

CAS No:

PFAS:

11	1 of 1	WSW	0.33 / 1,737.15	7,164.03 / 36	LAVA CLAIM COCONINO COUNTY FLAGSTAFF AZ 86005	MRDS
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Dep ID:	10063229	I1:	14
Dev Status:	PAST PRODUCER	Latitude:	35.16449
Code List:	VOL	Longitude:	-111.706787
Url:	http://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10063229		

Commodity

I1:	28	Line:	1
Code:	VOL	Inserted By:	MRDS migration
Commodity:	Volcanic Materials	Insert Date:	29-OCT-2002 09:00:24
Commodity Type:	Non-metallic	Updated By:	USGS
Commodity Group:	Volcanic Materia	Update Date:	29-OCT-2002 09:00:55
Importance:	Primary		

Materials

I1:	12	Inserted B:	MRDS migration
Material:	Cinders	Insert Dat:	29-OCT-2002 09:44:3
Ore or Gangue:	Ore	Updated By:	
Rec:	1	Update Dat:	

Names

I1:	20	Inserted By:	MRDS migration
Status:	Current	Insert Date:	29-OCT-02
Site Name:	Lava Claim	Updated By:	USGS
Line:	1	Update Date:	29-OCT-02

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
12	1 of 1	WSW	0.33 / 1,759.94	7,135.54 / 7	CINDER PITS COCONINO COUNTY FLAGSTAFF AZ 86005	MRDS
Dep ID:	10024123			I1:	73	
Dev Status:	PAST PRODUCER			Latitude:	35.165283	
Code List:	VOL			Longitude:	-111.707092	
Url:	http://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10024123					
Commodity						
I1:	29			Line:	1	
Code:	VOL			Inserted By:	MRDS migration	
Commodity:	Volcanic Materials			Insert Date:	29-OCT-2002 09:00:24	
Commodity Type:	Non-metallic			Updated By:	USGS	
Commodity Group:	Volcanic Materia			Update Date:	29-OCT-2002 09:00:37	
Importance:	Primary					
Names						
I1:	41			Inserted By:	MRDS migration	
Status:	Current			Insert Date:	29-OCT-02	
Site Name:	Cinder Pits			Updated By:	USGS	
Line:	1			Update Date:	29-OCT-02	
13	1 of 2	W	0.38 / 2,005.51	7,196.78 / 68	CINDER PIT COCONINO COUNTY FLAGSTAFF AZ 86005	MRDS
Dep ID:	10234278			I1:	28	
Dev Status:	UNKNOWN			Latitude:	35.174316	
Code List:	PUM			Longitude:	-111.706787	
Url:	http://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10234278					
Commodity						
I1:	26			Line:	1	
Code:	PUM			Inserted By:	MAS migration	
Commodity:	Pumice			Insert Date:	29-OCT-2002 09:00:24	
Commodity Type:	Non-metallic			Updated By:	USGS	
Commodity Group:	Pumice			Update Date:	29-OCT-2002 09:02:06	
Importance:	Primary					
Names						
I1:	91			Inserted By:	MAS migration	
Status:	Current			Insert Date:	29-OCT-02	
Site Name:	Cinder Pit			Updated By:	USGS	
Line:	1			Update Date:	29-OCT-02	
13	2 of 2	W	0.38 / 2,005.51	7,196.78 / 68	FLAGSTAFF WEST NO. 5 CINDER PIT COCONINO COUNTY FLAGSTAFF AZ 86005	MRDS
Dep ID:	10024054			I1:	15	
Dev Status:	PAST PRODUCER			Latitude:	35.174316	
Code List:	VOL			Longitude:	-111.706787	
Url:	http://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10024054					

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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I1:	12				Line:	1
Code:	VOL				Inserted By:	MRDS migration
Commodity:	Volcanic Materials				Insert Date:	29-OCT-2002 09:00:24
Commodity Type:	Non-metallic				Updated By:	USGS
Commodity Group:	Volcanic Materia				Update Date:	29-OCT-2002 09:00:37
Importance:	Primary					

Names

I1:	28				Inserted By:	MRDS migration
Status:	Current				Insert Date:	29-OCT-02
Site Name:	Flagstaff West No. 5 Cinder Pit				Updated By:	USGS
Line:	1				Update Date:	29-OCT-02

14	1 of 1	WSW	0.42 / 2,212.77	7,308.90 / 181	LAVA CLAIM COCONINO COUNTY FLAGSTAFF AZ 86005	MRDS
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Dep ID:	10258117			I1:	22
Dev Status:	UNKNOWN			Latitude:	35.164673
Code List:	PUM			Longitude:	-111.708496
Url:	http://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10258117				

Commodity

I1:	15				Line:	1
Code:	PUM				Inserted By:	MAS migration
Commodity:	Pumice				Insert Date:	29-OCT-2002 09:00:24
Commodity Type:	Non-metallic				Updated By:	USGS
Commodity Group:	Pumice				Update Date:	29-OCT-2002 09:02:18
Importance:	Primary					

Names

I1:	29				Inserted By:	MAS migration
Status:	Current				Insert Date:	29-OCT-02
Site Name:	Lava Claim				Updated By:	USGS
Line:	1				Update Date:	29-OCT-02

Unplottable Summary

Total: 5 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
HMIRS		I-40 West	FLAGSTAFF AZ		885997086
HMIRS		I-40 WEST BOUND	FLAGSTAFF AZ		818500815
HMIRS		I-40 WEST	FLAGSTAFF AZ		818489481
SWF/LF	Tusayan	2.4 miles east of AZ 64 on north side of Ten-X-Road1.3 miles south of I-40 on Woody Mountain Rd	AZ		878646988
SWF/LF	Woody Lake	2.4 miles east of AZ 64 on north side of Ten-X-Road1.3 miles south of I-40 on Woody Mountain Rd	AZ		878647128

Unplottable Report

Site:

I-40 West FLAGSTAFF AZ

HMIRS

Incident County:

COCONINO

HMIR Incident Reports

Report No: E-2020060436
Report Type: A hazardous material incident
Date of Incident: 2020-06-10
Time of Incident: 0303
Haz Class Code:
Hazardous Class: 8
Commodity Short Nm: CORROSIVE LIQUID, BASIC,
Commodity Long Nm: CORROSIVE LIQUID, BASIC, INORGANIC,
N.O.S.

Trade Name:
ID No: UN3266
Haz Waste Ind: No
Haz Waste EPA No:
HMIS Tox Inhalation?: No
TIH Hazard Zone:
Qty Released: 5
Unit of Measure: Liquid - Gallon
What Failed:
What Failed Desc:
How Failed Code:
How Failed Desc:
Failure Cause Code:
Failure Cause Desc:

Ident. Markings: 3H
Cont1 Pkging Type: Jerrican
Cont1 Const Mat: Plastic
Cont1 Head Type:
Cont1 Pkg Capacity: 5
C1 Capacity UOM: LGA
Cont1 Pkg Amt: 5
C1 Pkg Amt UOM: LGA
Cont1 Pkg No: 1
C1 Pkg NO Failed: 1
Cont1 Pkg Mnfctr:
Cont1 Pkg Mnfc Dt: 0-00-00 00:00:00
Cont1 Pkg Serial NO:
C1 Pkg Last Test Dt: 0-00-00 00:00:00
C1 Test Const Mat: Plastic
C1 Pkg Dsign Pres.: 0
C1 Dsign Press UOM:
C1 Pkg Shell Thick: 0
C1 Shell Thick UOM:
C1 Head Thickness: 0
C1 Head Thick UOM:
C1 Pkg Srvs Pres.: 0
C1 Srvs Press UOM:
C1 Valve/Device Fail?: No
C1 Device Type:
C1 Device Mnfctr:
C1 Device Model:
NRC No:

RAM Pkg Category:
RAM Pkg Cert.: FALSE

Fed DOT Agency Nm:
Fed DOT Report No:
Report Submit Src: Web
Inc Multiple Rows: No
Inc Non US State:
Mode Transport: Highway
Transport Phase: In Transit
Incident Occrrnce:

Mat Ship Approval?: No
Mat Ship Approv No:
Undecl Hazmat Ship?: No
Packaging Type: Non-Bulk
Packing Group: II
Carrier Reporter: GREENWOOD MOTOR LINES, INC.
CR Street Name: 600 GILLIAM RD
CR City: WILMINGTON
CR State: OH
CR Postal Code: 45177-9089
CR Non US State:
CR Fed DOT ID: 63391
CR Hazmat Reg ID:
CR Country: US
Shipper Name: Zep Sales & Service
Shipper Street Name: 71 Business Park Ct
Shipper City: Cartersville
Shipper State: GA
Shipper Postal: 30121
Shipper Non US St:
Shipper Country: US
Shipper Waybill:
Ship Hazmat Reg ID:
Origin City:
Origin State:
Origin Postal:
Origin Non US St:
Origin Country: US
Destination City: PHOENIX
Destination State: ARIZONA
Destination Postal: 85009
Destination Non US:
Destination Country: US
Cont2 Package Type:
Cont2 Const Mat:
Cont2 Pkg Capacity: 0
Cont2 Capacity UOM:
Cont2 Pkg Amount: 0
Cont2 Pkg Amt UOM:
Cont2 Pkg No: 0
Cont2 Pkg No Failed: 0

Haz NonHosp Public: 0
Haz NonHosp Old:

RAM Pkg Cert. NBR:		Tot Haz Non Hosp Inj:	
RAM Nuclide S:		Total Hazmat Injuries:	0
RAM Transport Index:		Evacuation Indicator:	No
RAM UOM:		Public Evacuated:	0
RAM Activity Rpted:	0	Employees Evac:	0
RAM UOM Rpted:		Total Evacuated:	0
RAM Activity:	0	Total Evacuation Hrs:	0
RAM Activity UOM:		Major Artery Closed:	No
RAM Mat Safety:		Mjr Artery Hrs Closed:	0
Spillage Result:	Yes	Material Involved:	No
Fire Result:	No	Estimated Speed:	0
Explosion Result:	No	Weather Conditions:	
Water Sewer Result:	No	Vehicle Overturn:	No
Gas Dispersion:	No	Vehicle Left Roadway:	No
Environment Damage:	No	Passenger Aircraft:	No
No Release Result:	No	Cargo Baggage:	
Fire EMS Report:	No	Ship Non Transport:	No
Fire EMS EMS Report:		Ship Air First Flight:	No
Police Report:	No	Ship Air Subflight:	No
Police Report No:		Ship Init Transport:	No
In House Cleanup:	No	Ship Phase Transfer:	No
Other Cleanup:	No	Contact Name:	LAICEE JONES
Damage > 500:	No	Contact Title:	
Material Loss:	0	Contact Business:	GREENWOOD MOTOR LINES, INC.
Carrier Damage:	0	Contact Street:	600 GILLIAM RD
Property Damage:	0	Contact City:	WILMINGTON
Response Cost:	0	Contact State:	OH
Remediation Cost:	0	Contact Postal:	45177-9089
Damage Old Form:	0	Contact Non US St:	
Total Damages Amt:	0	Contact Country:	US
Hazmat Fatality:	No	Inc. Report Prepared:	Carrier
Haz Fatal Employees:	0	HMIS Serious Incidnt:	No
Haz Fatal Respndrs:	0	HMIS Serious Fatality:	No
Haz Fatal Gen Public:	0	HMIS Serious Injury:	No
Tot Hazmat Fatalities:	0	HMIS Flight Plan:	No
Non Hazmat Fatality:	No	HMIS Serious Evacs:	No
Non Hazmat Fatals:	0	HMIS Major Artery:	No
Hazmat Injury:	No	HMIS Bulk Release:	No
Haz Hospital Empl:	0	HMIS Marine Pollutnt:	No
Haz Hospital Resp:	0	HMIS Radioactive:	No
Haz Hosp Gen Public:	0	HMIS Gen Pkg Type:	DRUM NON-METAL
Haz Hosp Old Form:	0	HMIS Container Code:	PAIL PLS
Total Haz Hosp Inj:	0	HMIS Container Desc:	Plastic pail, open head, capacity 10 gallons or less
Haz Non Hosp Empl:	0	HMIS Bulk Incident:	No
Haz Non Hosp Resp:	0	Undeclared Shipment:	No
Description of Events:	Trailer OA5139 arrived at PHX with (1) -(5) gal plastic pail torn or leaking. (5) gal of material was released.		
Recommend Actions Taken:	More training for dock personnel to teach proper and safe loading techniques.		

Site: I-40 WEST BOUND FLAGSTAFF AZ HMIRS

Incident County:

HMIR Incident Reports

Report No:	I-1992010576	Fed DOT Agency Nm:	
Report Type:	A hazardous material incident	Fed DOT Report No:	
Date of Incident:	1992-01-20	Report Submit Src:	Paper
Time of Incident:		Inc Multiple Rows:	No
Haz Class Code:		Inc Non US State:	
Hazardous Class:	3	Mode Transport:	Highway
Commodity Short Nm:	RESIN SOLUTION, FLAMMABLE	Transport Phase:	In Transit
Commodity Long Nm:	RESIN SOLUTION, FLAMMABLE	Incident Occrrnce:	
Trade Name:	RESIN 1123 A 80	Mat Ship Approval?:	No
ID No:	UN1866	Mat Ship Approv No:	
Haz Waste Ind:	No	Undecl Hazmat Ship?:	No
Haz Waste EPA No:		Packaging Type:	Cargo Tank Motor Vehicle (CTMV)
HMIS Tox Inhalation?:	No	Packing Group:	

TIH Hazard Zone:
Qty Released: 5
Unit of Measure: Liquid - Gallon
What Failed: 161
What Failed Desc: Weld or Seam
How Failed Code: 304
How Failed Desc: Cracked
Failure Cause Code: 537
Failure Cause Desc: Vehicular Crash or Accident Damage
Ident. Markings:
Cont1 Pkging Type:
Cont1 Const Mat:
Cont1 Head Type:
Cont1 Pkg Capacity: 6800
C1 Capacity UOM: LGA
Cont1 Pkg Amt: 0
C1 Pkg Amt UOM:
Cont1 Pkg No: 1
C1 Pkg NO Failed: 1
Cont1 Pkg Mnfctr: STAINLESS TANK AND EQUIPMENT
Cont1 Pkg MnfcDt: 0-00-00 00:00:00
Cont1 Pkg Serial NO: STE 2161
C1 Pkg Last Test Dt: 1991-08-08 00:00:00
C1 Test Const Mat:
C1 Pkg Dsign Pres.: 0
C1 Dsign Press UOM:
C1 Pkg Shell Thick: 0
C1 Shell Thick UOM:
C1 Head Thickness: 0
C1 Head Thick UOM:
C1 Pkg Srvc Pres.: 0
C1 Srvc Press UOM:
C1 Valve/Device Fail?: No
C1 Device Type:
C1 Device Mnfctr:
C1 Device Model:
NRC No:

RAM Pkg Category:
RAM Pkg Cert.: FALSE
RAM Pkg Cert. NBR:
RAM Nuclide S:
RAM Transport Index:
RAM UOM:
RAM Activity Rpted: 0
RAM UOM Rpted:
RAM Activity: 0
RAM Activity UOM:
RAM Mat Safety:
Spillage Result: Yes
Fire Result: No
Explosion Result: No
Water Sewer Result: No
Gas Dispersion: No
Environment Damage: No
No Release Result: No
Fire EMS Report: No
Fire EMS EMS Report:
Police Report: No
Police Report No:
In House Cleanup: No
Other Cleanup: No
Damage > 500: No
Material Loss: 0
Carrier Damage: 0
Property Damage: 0
Response Cost: 0
Remediation Cost: 0
Damage Old Form: 0
Total Damages Amt: 0
Hazmat Fatality: No

Carrier Reporter: SUPERIOR CARRIERS INC
CR Street Name: PO BOX 580 - HWY 11 N
CR City: MARION
CR State: VA
CR Postal Code: 24354
CR Non US State:
CR Fed DOT ID: 834726
CR Hazmat Reg ID:
CR Country: US
Shipper Name: SHELL CHEMICAL CO
Shipper Street Name: PO BOX 290
Shipper City: ARGO
Shipper State: IL
Shipper Postal: 60501
Shipper Non US St:
Shipper Country: US
Shipper Waybill: F45-1315 BO
Ship Hazmat Reg ID:
Origin City:
Origin State:
Origin Postal:
Origin Non US St:
Origin Country: US
Destination City: SANTA ANA
Destination State: CALIFORNIA
Destination Postal:
Destination Non US:
Destination Country: US
Cont2 Package Type:
Cont2 Const Mat:
Cont2 Pkg Capacity: 0
Cont2 Capacity UOM:
Cont2 Pkg Amount: 0
Cont2 Pkg Amt UOM:
Cont2 Pkg No: 0
Cont2 Pkg No Failed: 0

Haz NonHosp Public: 0
Haz NonHosp Old:
Tot Haz Non Hosp Inj:
Total Hazmat Injuries: 0
Evacuation Indicator: No
Public Evacuated: 0
Employees Evac: 0
Total Evacuated: 0
Total Evacuation Hrs: 0
Major Artery Closed: No
Mjr Artery Hrs Closed: 0
Material Involved: Yes
Estimated Speed: 45
Weather Conditions:
Vehicle Overturn: No
Vehicle Left Roadway: No
Passenger Aircraft: No
Cargo Baggage:
Ship Non Transport: No
Ship Air First Flight: No
Ship Air Subflight: No
Ship Init Transport: No
Ship Phase Transfer: No
Contact Name: E C ESTILL
Contact Title: V P - SAFETY
Contact Business:
Contact Street:
Contact City:
Contact State:
Contact Postal:
Contact Non US St:
Contact Country: US
Inc. Report Prepared:

Haz Fatal Employees:	0	HMIS Serious Incident:	No
Haz Fatal Respntrs:	0	HMIS Serious Fatality:	No
Haz Fatal Gen Public:	0	HMIS Serious Injury:	No
Tot Hazmat Fatalities:	0	HMIS Flight Plan:	No
Non Hazmat Fatality:	No	HMIS Serious Evacs:	No
Non Hazmat Fatais:	0	HMIS Major Artery:	No
Hazmat Injury:	No	HMIS Bulk Release:	No
Haz Hospital Empl:	0	HMIS Marine Pollutnt:	No
Haz Hospital Resp:	0	HMIS Radioactive:	No
Haz Hosp Gen Public:	0	HMIS Gen Pkg Type:	TANK
Haz Hosp Old Form:	0	HMIS Container Code:	MC307
Total Haz Hosp Inj:	0	HMIS Container Desc:	Cargo tanks
Haz Non Hosp Empl:	0	HMIS Bulk Incident:	Yes
Haz Non Hosp Resp:	0	Undeclared Shipment:	No
Description of Events:	CARGO TANK INVOLVED IN A MULTI-VEHICLE HIGHWAY COLLISION. RIGHT FRONT CORNER WELD CRACKED SLIGHTLY, APPROX. 5 GALS. OF PRODUCT RELEASED FROM UNIT. PRODUCT WAS CONTAINED IN A 5 GAL. PAIL.		

Recommend Actions Taken:

Site: I-40 WEST FLAGSTAFF AZ HMIRS

Incident County: COCONINO

HMIR Incident Reports

Report No:	I-2003080126	Fed DOT Agency Nm:	
Report Type:	A hazardous material incident	Fed DOT Report No:	
Date of Incident:	2003-03-11	Report Submit Src:	Paper
Time of Incident:	1330	Inc Multiple Rows:	No
Haz Class Code:		Inc Non US State:	
Hazardous Class:	3	Mode Transport:	Highway
Commodity Short Nm:	PRINTING INK, FLAMMABLE	Transport Phase:	In Transit
Commodity Long Nm:	PRINTING INK, FLAMMABLE OR PRINTING INK RELATED MATERIAL (INCLUDING PRINTING INK THINNING OR REDUCING COMPOUND), FLAMMABLE	Incident Occrrnce:	
Trade Name:	STR CONC WHITE	Mat Ship Approval?:	No
ID No:	UN1210	Mat Ship Approv No:	
Haz Waste Ind:	No	Undecl Hazmat Ship?:	No
Haz Waste EPA No:		Packaging Type:	Non-Bulk
HMIS Tox Inhalation?:	No	Packing Group:	
TIH Hazard Zone:		Carrier Reporter:	JEVIC TRANSPORTATION INC
Qty Released:	55	CR Street Name:	600 CREEK ROAD - P O BOX 5157
Unit of Measure:	Liquid - Gallon	CR City:	DELANCO
What Failed:	103	CR State:	NJ
What Failed Desc:	Basic Material	CR Postal Code:	080755157
How Failed Code:	309	CR Non US State:	
How Failed Desc:	Punctured	CR Fed DOT ID:	243018
Failure Cause Code:		CR Hazmat Reg ID:	
Failure Cause Desc:		CR Country:	US
Ident. Markings:		Shipper Name:	HI-TECH COLOR INC
Cont1 Pkging Type:		Shipper Street Name:	1721 MIDWAY RD
Cont1 Const Mat:		Shipper City:	ODENTON
Cont1 Head Type:		Shipper State:	MD
Cont1 Pkg Capacity:	55	Shipper Postal:	21113
C1 Capacity UOM:	LGA	Shipper Non US St:	
Cont1 Pkg Amt:	0	Shipper Country:	US
C1 Pkg Amt UOM:		Shipper Waybill:	109020180
Cont1 Pkg No:	1	Ship Hazmat Reg ID:	
C1 Pkg NO Failed:	1	Origin City:	
Cont1 Pkg Mnfctr:	NOT REPORTED BY CARRIER	Origin State:	
Cont1 Pkg Mnfc Dt:	0-00-00 00:00:00	Origin Postal:	
Cont1 Pkg Serial NO:		Origin Non US St:	
C1 Pkg Last Test Dt:	0-00-00 00:00:00	Origin Country:	US
C1 Test Const Mat:		Destination City:	ANAHEIM
C1 Pkg Dsign Pres.:	0	Destination State:	CALIFORNIA
C1 Dsign Press UOM:		Destination Postal:	92806
C1 Pkg Shell Thick:	0	Destination Non US:	

C1 Shell Thick UOM:
C1 Head Thickness: 0
C1 Head Thick UOM:
C1 Pkg Svc Pres.: 0
C1 Svc Press UOM:
C1 Valve/Device Fail?: No
C1 Device Type:
C1 Device Mnctr:
C1 Device Model:
NRC No:

Destination Country: US
Cont2 Package Type:
Cont2 Const Mat:
Cont2 Pkg Capacity: 0
Cont2 Capacity UOM:
Cont2 Pkg Amount: 0
Cont2 Pkg Amt UOM:
Cont2 Pkg No: 0
Cont2 Pkg No Failed: 0

RAM Pkg Category:
RAM Pkg Cert.: FALSE
RAM Pkg Cert. NBR:
RAM Nuclide S:
RAM Transport Index:
RAM UOM:
RAM Activity Rpted: 0
RAM UOM Rpted:
RAM Activity: 0
RAM Activity UOM:
RAM Mat Safety:
Spillage Result: Yes
Fire Result: No
Explosion Result: No
Water Sewer Result: No
Gas Dispersion: No
Environment Damage: No
No Release Result: No
Fire EMS Report: No
Fire EMS EMS Report:
Police Report: No
Police Report No:
In House Cleanup: No
Other Cleanup: No
Damage > 500: Yes
Material Loss: 500
Carrier Damage: 0
Property Damage: 0
Response Cost: 0
Remediation Cost: 3500
Damage Old Form: 0
Total Damages Amt: 4000
Hazmat Fatality: No
Haz Fatal Employees: 0
Haz Fatal Respndrs: 0
Haz Fatal Gen Public: 0
Tot Hazmat Fatalities: 0
Non Hazmat Fatality: No
Non Hazmat Fatals: 0
Hazmat Injury: No
Haz Hospital Empl: 0
Haz Hospital Resp: 0
Haz Hosp Gen Public: 0
Haz Hosp Old Form: 0
Total Haz Hosp Inj: 0
Haz Non Hosp Empl: 0
Haz Non Hosp Resp: 0

Haz NonHosp Public: 0
Haz NonHosp Old:
Tot Haz Non Hosp Inj:
Total Hazmat Injuries: 0
Evacuation Indicator: No
Public Evacuated: 0
Employees Evac: 0
Total Evacuated: 0
Total Evacuation Hrs: 0
Major Artery Closed: No
Mjr Artery Hrs Closed: 0
Material Involved: No
Estimated Speed: 0
Weather Conditions:
Vehicle Overturn: No
Vehicle Left Roadway: No
Passenger Aircraft: No
Cargo Baggage:
Ship Non Transport: No
Ship Air First Flight: No
Ship Air Subflight: No
Ship Init Transport: No
Ship Phase Transfer: No
Contact Name: DON MCCOY
Contact Title: ENVIRONMENTAL COMPLIANCE
Contact Business:
Contact Street:
Contact City:
Contact State:
Contact Postal:
Contact Non US St:
Contact Country: US
Inc. Report Prepared:
HMIS Serious Incidnt: No
HMIS Serious Fatality: No
HMIS Serious Injury: No
HMIS Flight Plan: No
HMIS Serious Evacs: No
HMIS Major Artery: No
HMIS Bulk Release: No
HMIS Marine Pollutnt: No
HMIS Radioactive: No
HMIS Gen Pkg Type: DRUM METAL
HMIS Container Code: 1A2
HMIS Container Desc: Removable head steel drum
HMIS Bulk Incident: No
Undeclared Shipment: No

Description of Events: WHILE IN TRANSIT, THE DRUM WAS FOUND LEAKING. THE DRUM WAS LEAKING FROM A PUNCTURE HOLE CAUSED BY ANOTHER PIECE OF FREIGHT. A SPILL CONTRACTOR WAS SENT TO THE SCENE TO OVERPACK THE DAMAGED DRUM AND CLEAN UP THE SPILLED PRODUCT FROM THE TRAILER FLOOR. THE DAMAGED DRUM AND THE SPILL CLEAN UP MATERIAL HAVE BEEN DISPOSED OF PROPERLY BY THE CARRIER.

Recommend Actions Taken:

Site: Tusayan
 2.4 miles east of AZ 64 on north side of Ten-X-Road1.3 miles south of I-40 on Woody Mountain Rd AZ

SWF/LF

ID No:
FID:

X:
Y:

OID:		Site Name (ADEQ):	Tusayan
Ref No:		Address (ADEQ):	
Status:		Location (ADEQ):	2.4 miles east of AZ 64 on north side of Ten-X-Road1.3 miles south of I-40 on Woody Mountain Rd
Code:		County (ADEQ):	Coconino County
Placc Code:		Site Name:	
Type:		Address:	
Place Type:		Suite Apt:	
Operator:	Coconino County Highway Department, Flagstaff, AZ 86001	City:	
Owner:		Zip:	
Source:	ADEQ - Closed Solid Waste Facilities	State:	
Latitude:		County:	
Longitude:			

Site: **Woody Lake** **2.4 miles east of AZ 64 on north side of Ten-X-Road1.3 miles south of I-40 on Woody Mountain Rd AZ** **SWF/LF**

ID No:		X:	
FID:		Y:	
OID:		Site Name (ADEQ):	Woody Lake
Ref No:		Address (ADEQ):	
Status:		Location (ADEQ):	2.4 miles east of AZ 64 on north side of Ten-X-Road1.3 miles south of I-40 on Woody Mountain Rd
Code:		County (ADEQ):	Coconino County
Placc Code:		Site Name:	
Type:		Address:	
Place Type:		Suite Apt:	
Operator:	City of Flagstaff 120 N. Beaver, Flagstaff, AZ 86001	City:	
Owner:		Zip:	
Source:	ADEQ - Closed Solid Waste Facilities	State:	
Latitude:		County:	
Longitude:			

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

Formerly Utilized Sites Remedial Action Program:

DOE FUSRAP

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

Government Publication Date: Mar 4, 2017

National Priority List:

NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Aug 25, 2021

National Priority List - Proposed:

PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Aug 25, 2021

Deleted NPL:

DELETED NPL

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

Government Publication Date: Aug 25, 2021

SEMS List 8R Active Site Inventory:

SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: Jul 29, 2021

Inventory of Open Dumps, June 1985:

ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites:[SEMS ARCHIVE](#)

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: Jul 29, 2021

Comprehensive Environmental Response, Compensation and Liability Information System -[CERCLIS](#)**CERCLIS:**

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands:[IODI](#)

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned:[CERCLIS NFRAP](#)

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens:[CERCLIS LIENS](#)

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action:[RCRA CORRACTS](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Jun 14, 2021

RCRA non-CORRACTS TSD Facilities:[RCRA TSD](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Jun 14, 2021

RCRA Generator List:[RCRA LQG](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Jun 14, 2021

RCRA Small Quantity Generators List:[RCRA SQG](#)

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Jun 14, 2021

RCRA Very Small Quantity Generators List:[RCRA VSQG](#)

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Jun 14, 2021

RCRA Non-Generators:[RCRA NON GEN](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Jun 14, 2021

Federal Engineering Controls-ECs:[FED ENG](#)

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Feb 23, 2021

Federal Institutional Controls- ICs:[FED INST](#)

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Feb 23, 2021

Land Use Control Information System:[LUCIS](#)

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

Government Publication Date: Sep 1, 2006

Emergency Response Notification System:[ERNS 1982 TO 1986](#)

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System:[ERNS 1987 TO 1989](#)

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System:[ERNS](#)

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Jul 26, 2021

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database:

[FED BROWNFIELDS](#)

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Aug 20, 2021

FEMA Underground Storage Tank Listing:

[FEMA UST](#)

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan:

[FRP](#)

List of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Dec 2, 2020

Historical Gas Stations:

[HIST GAS STATIONS](#)

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries:

[REFN](#)

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Jul 10, 2020

Petroleum Product and Crude Oil Rail Terminals:

[BULK TERMINAL](#)

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

Government Publication Date: Apr 28, 2020

LIEN on Property:

[SEMS LIEN](#)

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: Jul 29, 2021

Superfund Decision Documents:

[SUPERFUND ROD](#)

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: Jun 28, 2021

State

Waste Program Remedial Projects - Superfund & DOD:

[SHWS](#)

The Arizona Department of Environmental Quality (ADEQ) Waste Programs Division investigates, manages, and oversees remediation of soil and groundwater contaminated with hazardous substances. List of sites overseen by the Remedial Projects Section and/or Federal programs, including Federal DOD and Superfund sites.

Government Publication Date: Aug 18, 2021

CERCLIS Information Data System (ACIDS):

SHWS ACIDS

The Arizona CERCLIS Information Data System (ACIDS) list was used by the Arizona Department of Environmental Quality Superfund Programs Section (SPS) prior to July 2000. The ACIDS list consists of locations subject to investigations concerning possible contamination of soil, surface water, or groundwater under the State Water Quality Assurance Revolving Fund (WQARF) and Federal CERCLA programs. The ACIDS list has been archived and is no longer being distributed or updated. The ACIDS list has been replaced by the Arizona Superfund Program List (ASPL).

Government Publication Date: Aug 3, 1995

Water Quality Assurance Revolving Fund Sites (WQARF):

WQARF

The Arizona Department of Environmental Quality (ADEQ) Water Quality Assurance Revolving Fund (WQARF) program supports the ADEQ in identifying, prioritizing, assessing, and resolving the threat of contaminated soil and groundwater sites in the state. This list of sites includes those on the WQARF Registry, sites removed from the WQARF Registry, and sites requiring remediation under the WQARF Emergency Response.

Government Publication Date: Jul 8, 2021

Delisted WQARF, Superfund, DOD:

DELISTED SUPERFUND

List of sites which once appeared, but have since been removed from either the WQARF Registry, Superfund Sites, Department of Defense Sites, or Superfund Alternative Sites.

Government Publication Date: Jul 7, 2021

Directory of Solid Waste Facilities:

SWF/LF

A list of Solid Waste Facilities and Landfill sites in the State of Arizona. This list is made available by Arizona Department of Environmental Quality, Waste Programs Division, Solid Waste Management.

Government Publication Date: Jan 14, 2020

Leaking Underground Storage Tanks:

LUST

A list of Leaking Underground Storage Tanks (LUST) sites in the state of Arizona. This list is made available by Arizona Department of Environmental Quality.

Government Publication Date: Jun 28, 2021

Delisted Leaking Underground Storage Tanks:

DELISTED LUST

A list of sites that once appeared on - and have since been removed from - the list of Leaking Underground Storage tanks made available by the Arizona Department of Environmental Quality.

Government Publication Date: Jun 28, 2021

Underground Storage Tanks List:

UST

A list of Underground Storage Tank sites registered with the Arizona Department of Environmental Quality (ADEQ) Waste Program Division. This list is made available by ADEQ.

Government Publication Date: Aug 4, 2021

Aboveground Storage Tanks:

AST

List of aboveground fuel storage tanks (ASTs) made available by the State Fire Marshal's Office. This list is of installed ASTs and does not include any AST permitted and inspected by any City, Town, County, or Fire District. This is not a complete list of storage systems in use in the State of Arizona; ASTs may have been installed and used without adequate permission from the State Fire Marshal's Office. The absence of a property from the State Fire Marshal records as a permitted tank is not proof that an AST for hazardous materials was never installed or used at a given address.

Government Publication Date: Sep 29, 2015

Exemption Certificate Renewals:

AST2

The Exemption Certificate Renewals data lists applicants that have renewed their tank certificates that will never expire from the penny underground storage tank tax. This is provided by Arizona Department of Environmental Quality.

Government Publication Date: Sep 2, 2021

Delisted Storage Tanks List:

DELISTED TANKS

This database contains a list of storage tank sites that were removed from the Arizona Department of Environmental Quality (ADEQ) Waste Program Division.

Government Publication Date: Sep 2, 2021

Environmental Use Restriction Sites List:

AUL

List of sites in the Arizona Department of Environmental Quality (ADEQ)'s Remediation and DEUR Tracking System (RDT) with either a Declaration of Environmental Use Restriction (DEUR) or a Voluntary Environmental Mitigation Use Restriction (VEMUR). A DEUR is a restrictive land use covenant that is required when a property owner elects to use an institutional (i.e., administrative) control or engineering (i.e., physical) control as a means to meet remediation goals. The DEUR runs with and burdens the land, and requires maintenance of any institutional or engineering controls. A VEMUR is a restrictive land use covenant that, prior to July 18, 2000, was required when a property owner elected to remediate the property to non-residential uses. Effective July 18, 2000, the DEUR replaced the VEMUR as a restrictive use covenant.

Government Publication Date: May 12, 2021

Azurite Database:

[AZURITE](#)

List of sites from the Arizona Department of Environmental Quality (ADEQ) Remediation and DEUR Tracking System where the owner has elected to remediate the property without the use of an institutional or engineering control.

Government Publication Date: May 12, 2021

Voluntary Remediation Program:

[VCP](#)

A list of sites registered in Voluntary Remediation Program (VRP). This list is made available by Arizona Department of Environment Quality (ADEQ). Through ADEQ's VRP, property owners, prospective purchasers and other interested parties investigate or clean up a contaminated site in cooperation with ADEQ.

Government Publication Date: Oct 21, 2020

Brownfields Tracking System:

[BROWNFIELDS](#)

A list of brownfield sites in the State of Arizona, made available by Arizona Department of Environmental Quality. Brownfields are abandoned or underutilized properties where the reuse is complicated by actual or perceived environmental contamination.

Government Publication Date: Oct 21, 2020

Tribal

Leaking Underground Storage Tanks (LUSTs) on Indian Lands:

[INDIAN LUST](#)

LUSTs on Tribal/Indian Lands in Region 9, which includes Arizona.

Government Publication Date: Apr 8, 2020

Underground Storage Tanks (USTs) on Indian Lands:

[INDIAN UST](#)

USTs on Tribal/Indian Lands in Region 9, which includes Arizona.

Government Publication Date: Apr 8, 2020

Delisted Tribal Leaking Storage Tanks:

[DELISTED ILST](#)

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

Government Publication Date: Apr 14, 2020

Delisted Tribal Underground Storage Tanks:

[DELISTED IUST](#)

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: Apr 14, 2020

County

No County databases were selected to be included in the search.

Additional Environmental Record Sources

Federal

PFOA/PFOS Contaminated Sites:

[PFAS NPL](#)

List of sites where PFOA or PFOS contaminants have been found in drinking water or soil. Made available by the Federal Environmental Protection Agency (EPA).

Government Publication Date: Sep 17, 2021

Facility Registry Service/Facility Index:

FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Nov 2, 2020

Toxics Release Inventory (TRI) Program:

TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Aug 24, 2021

Perfluorinated Alkyl Substances (PFAS) Releases:

PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Aug 24, 2021

Perfluorinated Alkyl Substances (PFAS) Water Quality:

PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances.

Government Publication Date: Jul 20, 2020

Hazardous Materials Information Reporting System:

HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Sep 1, 2020

National Clandestine Drug Labs:

NCDL

The U.S. Department of Justice ("the Department") provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Oct 5, 2020

Toxic Substances Control Act:

TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Apr 11, 2019

Hist TSCA:

HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing:

FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing:

FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List:

PRP

Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.

Government Publication Date: Jun 25, 2021

State Coalition for Remediation of Drycleaners Listing:

SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS):

ICIS

The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.

Government Publication Date: Jun 14, 2021

Drycleaner Facilities:

FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) online search. The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: May 5, 2021

Delisted Drycleaner Facilities:

DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: May 5, 2021

Formerly Used Defense Sites:

FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.

Government Publication Date: May 26, 2021

Former Military Nike Missile Sites:

FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents:

PIPELINE INCIDENT

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.

Government Publication Date: Jul 7, 2020

Material Licensing Tracking System (MLTS):

MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites:

HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File:

MINES

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: Nov 3, 2020

Surface Mining Control and Reclamation Act Sites:

SMCRA

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

Government Publication Date: Dec 18, 2020

Mineral Resource Data System:

MRDS

The Mineral Resource Data System (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. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2006

Uranium Mill Tailings Radiation Control Act Sites:

URANIUM

The Legacy Management Office of the Department of Energy (DOE) manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The L.M. Office manages this database of sites registered under the Uranium Mill Tailings Control Act (UMTRCA).

Government Publication Date: Mar 4, 2017

Alternative Fueling Stations:

ALT FUELS

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

Government Publication Date: Jul 12, 2021

Registered Pesticide Establishments:

SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Apr 13, 2021

Polychlorinated Biphenyl (PCB) Notifiers:

PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Nov 19, 2020

State

Hazardous Material Logbook/Spills:

SPILLS

Hazardous Material Incident Logbook database made available by Arizona Department of Environmental Quality (ADEQ). This database is updated through November 15, 2001; after that date, reports were registered with the National Response Center.

Government Publication Date: Nov 15, 2001

Dry Cleaning Facilities:

DRYCLEANERS

A list of drycleaner facilities in Arizona made available by the Department of Environmental Quality (ADEQ). ADEQ last updated the data in 2006 and no further updates are planned.

Government Publication Date: Dec 31, 2006

Per- and Polyfluoroalkyl Substances (PFAS):

PFAS

The Arizona Department of Environmental Quality (ADEQ) Waste Programs Division investigates, manages, and oversees remediation of soil and groundwater contaminated with hazardous substances. List of sites overseen by the Remedial Projects Section and/or Federal programs, including Federal DOD and Superfund sites, where the contaminant or potential contaminant of concern is a Per- or polyfluorinated alkyl substances (PFAS).

Government Publication Date: Jul 7, 2021

Air Permits Major/Minor Sources:

AIR PERMITS

A list of Arizona operating air permits major and minor sources. A "major" source is any source that has the potential to emit 100 tons per year of any criteria air pollutant and if it has the potential to emit 10 tons per year of any single Hazardous Air Pollutant or 25 tons per year of any combination of Hazardous Air Pollutants. This list is provided by the Department of Environmental Quality.

Government Publication Date: Nov 4, 2020

Drywell Database:

DRYWELLS

The Drywell database contains information regarding drywells in Arizona. This database is maintained by the Arizona Department of Environmental Quality (ADEQ).

Government Publication Date: Jul 5, 2021

Historical Drywells:

DRYWELLS HIST

Historical listing of registered drywells once maintained and made available by the Arizona Department of Environmental Quality (ADEQ) Water Quality Division. As of May 2018, ADEQ stopped accepting paper forms and will no longer be updating this list.

Government Publication Date: Aug 6, 2018

Drug Labs Remediation:

DRUG LAB REMEDIATION

Arizona State Board of Technical Registration maintains a list of drug lab remediation. This is a list of seized drug laboratory sites or sites where drug manufacturing chemicals were seized. Remediated sites are removed from this list when the Board receives clean up notification from a certified clean up firm.

Government Publication Date: Sep 03, 2013

Clandestine Drug Labs:

CDL

A list of unremediated seized clandestine drug laboratory sites or sites where drug manufacturing chemicals were seized. This list is made available by Arizona State Board of Technical Registration.

Government Publication Date: Jan 22, 2019

Tier 2 Chemical Inventory Reporting:

TIER 2

List of facilities that report to the Arizona Emergency Response Commission (AZSERC) for Tier II Chemical Inventory Reporting. AZSERC is tasked with the implementation of the Emergency Planning and Community Right to Know Act (EPCRA) in Arizona. As of 2016, the Arizona Emergency Response Commission (AZSERC) is overseen by Arizona Department of Environmental Quality (ADEQ).

Government Publication Date: Dec 31, 2018

Biohazardous Medical Waste Facilities:**BIO HAZ WASTE**

This list of biohazardous medical waste facilities is maintained by the Arizona Department of Environmental Quality (ADEQ) Waste Programs Division. This list includes: Biohazardous Medical Waste Disposal Facilities, Biohazardous Medical Waste Treatment Facilities, Biohazardous Medical Waste Storage & Transfer Facilities, Registered Biohazardous Medical Waste Transporters, and Registered Alternative Biohazardous Medical Waste Treatment Technologies. Biohazardous medical waste is medical waste that is composed of one or more of the following: cultures and stocks; human blood and blood products; human pathologic wastes; medical sharps; and research animal wastes. The Arizona Department of Environmental Quality adopted specific rules for handling biohazardous medical waste and discarded drugs. Non-biohazardous medical waste is handled as solid waste.

Government Publication Date: Jul 7, 2020

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

APPENDIX D

CITY DIRECTORY
PHYSICAL SETTING REPORT



CITY DIRECTORY

Project Property: *Purchase Applica on 53-122456-00-100*
Purchase Applica on 53-122456-00-100
Flagstaff, AZ

Project No: *3007*

Requested By: *CMT Engineering Laboratories*

Order No: *21101500416*

Date Completed: *October 19, 2021*

Environmental Risk Information Services

A division of Glacier Media Inc.

1.866.517.5204 | info@erisinfo.com | erisinfo.com

October 19, 2021
RE: CITY DIRECTORY RESEARCH
Purchase Application 53-122456-00-100
Purchase Application 53-122456-00-100 Flagstaff, AZ

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:

ALL of South Woody Mountain Road
2000-4000 of West Kille Lane

Search Results Summary

Date	Source	Comment
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2008	DIGITAL BUSINESS DIRECTORY	
2003	DIGITAL BUSINESS DIRECTORY	
1998	DIGITAL BUSINESS DIRECTORY	
1989	JOHNSONS	
1987	JOHNSONS	
1979	JOHNSONS	
1965	JOHNSONS	
1961	MULLIN KILLE	
1958	FLAGSTAFF DIRECTORY CO	

4001 ARBORETUM AT FLAGSTAFF...Convention Information Bureaus
4001 ARBORETUM AT FLAGSTAFF...Tourist Attractions
4001 ARBORETUM AT FLAGSTAFF...Arboretums
4001 ARBORETUM AT FLAGSTAFF...Tourist Information
4001 TRANSITION ZONE HORTICULTURAL...Construction Companies
4001 TRANSITION ZONE HORTICULTURAL...Federal Government Contractors

2590 NORTHERN AZ EQUINE HOSPITAL...Veterinarians
2624 BOSS CO CONCRETE INC...Landscape Contractors
2640 KILTED CAT...Foodscarry Out
2640 KILTED CAT...Ice
2640 KILTED CAT...Restaurants
2640 KILTED CAT...Caterers
2640 THORNAGER'S...Wedding & Reception Sites
2640 THORNAGER'S...Banquet Rooms
2640 THORNAGER'S...Ice
2640 THORNAGER'S...Caterers
2755 PURR-SONAL PAWS PET SITTER...Pet Boarding Sitting & Kennels
3750 W L GORE ASSOC INC...Manufacturers
3750 W L GORE & ASSOC INC...Electric Transmission/distr Equip (mfrs)
3750 W L GORE & ASSOC INC...Federal Government Contractors
3750 W L GORE & ASSOC INC...Physicians & Surgeons Equip & Supls-whls
3750 W L GORE & ASSOC INC...Dental Equipment & Supplieswholesale

- 4001 ARBORETUM AT FLAGSTAFF...Convention Information Bureaus
- 4001 ARBORETUM AT FLAGSTAFF...Arboretums

- 2590 NORTHERN AZ EQUINE HOSPITAL...Veterinarians
- 2640 KILTED CAT...Restaurants
- 2640 THORNAGER'S...Caterers
- 2640 THORNAGER'S...Banquet Rooms
- 2870 CIBOLA TIE CO...Nonclassified Establishments
- 3750 W L GORE & ASSOC INC...Physicians & Surgeons Equip & Supls-whls
- 3750 W L GORE & ASSOC INC...Electric Transmission/distr Equip (mfrs)

2700 **DOUCETTE REALTY & MANAGEMENT**...*Home Builders*
4001 **ARBORETUM AT FLAGSTAFF**...*Arboretums*
4001 **TRANSITION ZONE HORTICULTURAL**...*Non-profit Organizations*

2335 **TRES HERMANAS RANCH LLC**...*Livestock-dealers (whls)*
2590 **NORTHERN AZ EQUINE HOSPITAL**...*Veterinarians*
2640 **BBQ TO YOU**...*Caterers*
2640 **KILTIED CAT**...*Banquet Rooms*
2640 **THORNAGER'S**...*Caterers*
3750 **W L GORE & ASSOC INC**...*Physicians & Surgeons Equip & Supls-mfrs*

4001 ARBORETUM AT FLAGSTAFF...Convention Information Bureaus
4001 ARBORETUM AT FLAGSTAFF...Botanical,zoo Grdns
4001 PLUMBING & ELECTRICAL CONCEPTS...Electrical Work
4001 TRANSITION ZONE HORTICULTURAL...Social Services Nec

2300 BEWLEY CONSTRUCTION...Building Contractors
2335 TRES HERMANAS RANCH LLC...Whol Livestock
2360 GARY VALLEN HOSPITALITY...Misc Personal Svs
2360 GARY VALLEN HOSPITALITY...Miscellaneous Personal Services Nec
2600 BBQ TO YOU...Eating Place
2640 BBQ TO YOU...Caterer/contract Service
2640 KILTED CAT...Caterer/contract Service
2640 THORNAGERS...Caterers
2640 THORNAGERS...Caterer/contract Service
2640 THORNAGERS CATERING...Catering Service
3750 W L GORE & ASSOC INC...Surgical,med Instrs
3750 W L GORE & ASSOC INC...Physicians & Surgeons Equip & Supls-mfrs

4001 ARBORETUM AT FLAGSTAFF...
4001 TRANSITION ZONE HORTICULTURAL...

2300 BEWLEY CONSTRUCTION...
2600 BBQ TO YOU...
2600 FLAGSTAFF RIDING CTR...
2600 NORTHERN ARIZONA EQUINE...
2600 ROLFE PETER R DVM...
2600 THORNAGER'S...
2640 THORNAGER'S...
3750 W L GORE & ASSOC INC...*Surgical Instruments And Apparatus*

NO LISTING FOUND FOR THIS YEAR...

- 2300 BEWLEY CONSTRUCTION...*Industrial Buildings And Warehouses*
- 2600 FLAGSTAFF RIDING CLUB...*Animal Specialty Services*
- 2600 KILTIED CAT THE...*Business Services, Nec*
- 3750 W L GORE & ASSOCIATES INC MEDICAL DIVISION...*Commercial Physical Research*

- . GONZALES YVETTE
- . GORE W L & ASSOCIATES INC WOODY MOUNTAIN FACILITY
- . SWANSON D J
- 5 ARBORETUM AT FLAGSTAFF
- 5 TRANSITION ZONE HORTICULTURAL INSTITUTE INC ARBORETUM

STREET NOT LISTED

1987

SOURCE: JOHNSONS

SOUTH WOODY MOUNTAIN ROAD

- . BLAKE BRADFORD R
- . GONZALES YVETTE
- . MCDEVITT E L
- . W L GORE & ASSOCIATES INC ELECTRONICS DIVISION - WOODY MOUNTAIN FACILITY
- 5 TRANSITION ZONE HORTICULTURAL INSTITUTE INC

1987

SOURCE: JOHNSONS

WEST KILTIE LANE

STREET NOT LISTED

1979

SOURCE: JOHNSONS

SOUTH WOODY MOUNTAIN ROAD

1979

SOURCE: JOHNSONS

WEST KILTIE LANE

STREET NOT LISTED

STREET NOT LISTED

STREET NOT LISTED

STREET NOT LISTED

1961

SOURCE: MULLIN KILLE

SOUTH WOODY MOUNTAIN ROAD

1961

SOURCE: MULLIN KILLE

WEST KILTIE LANE

STREET NOT LISTED

STREET NOT LISTED

1958

SOURCE: FLAGSTAFF DIRECTORY CO

SOUTH WOODY MOUNTAIN ROAD

1958

SOURCE: FLAGSTAFF DIRECTORY CO

WEST KILTIE LANE

STREET NOT LISTED

STREET NOT LISTED



Property Information

Order Number: 21101500416p
Date Completed: October 16, 2021
Project Number: 3007
Project Property: Purchase Application 53-122456-00-100
Purchase Application 53-122456-00-100 Flagstaff AZ
Coordinates:
Latitude: 35.17161862
Longitude: -111.69204727
UTM Northing: 3892294.42117 Meters
UTM Easting: 436981.156408 Meters
UTM Zone: UTM Zone 12S
Elevation: 7,128.37 ft
Slope Direction: W

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Geologic Information.....	22
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Liability Notice.....	80

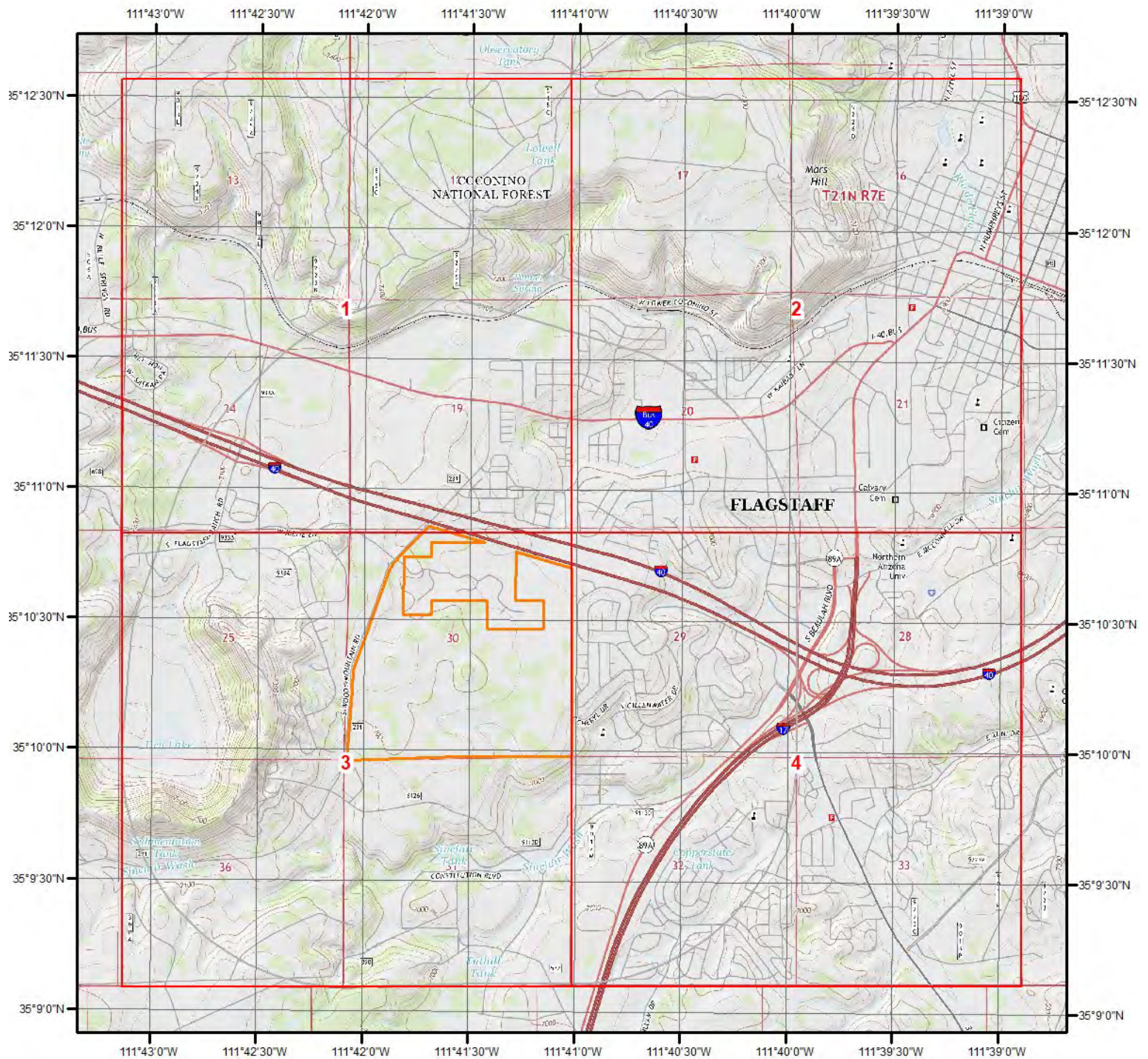
The ERIS **Physical Setting Report - PSR** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

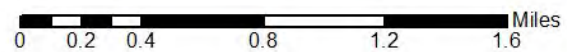
Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information



Current USGS Topo (2014)

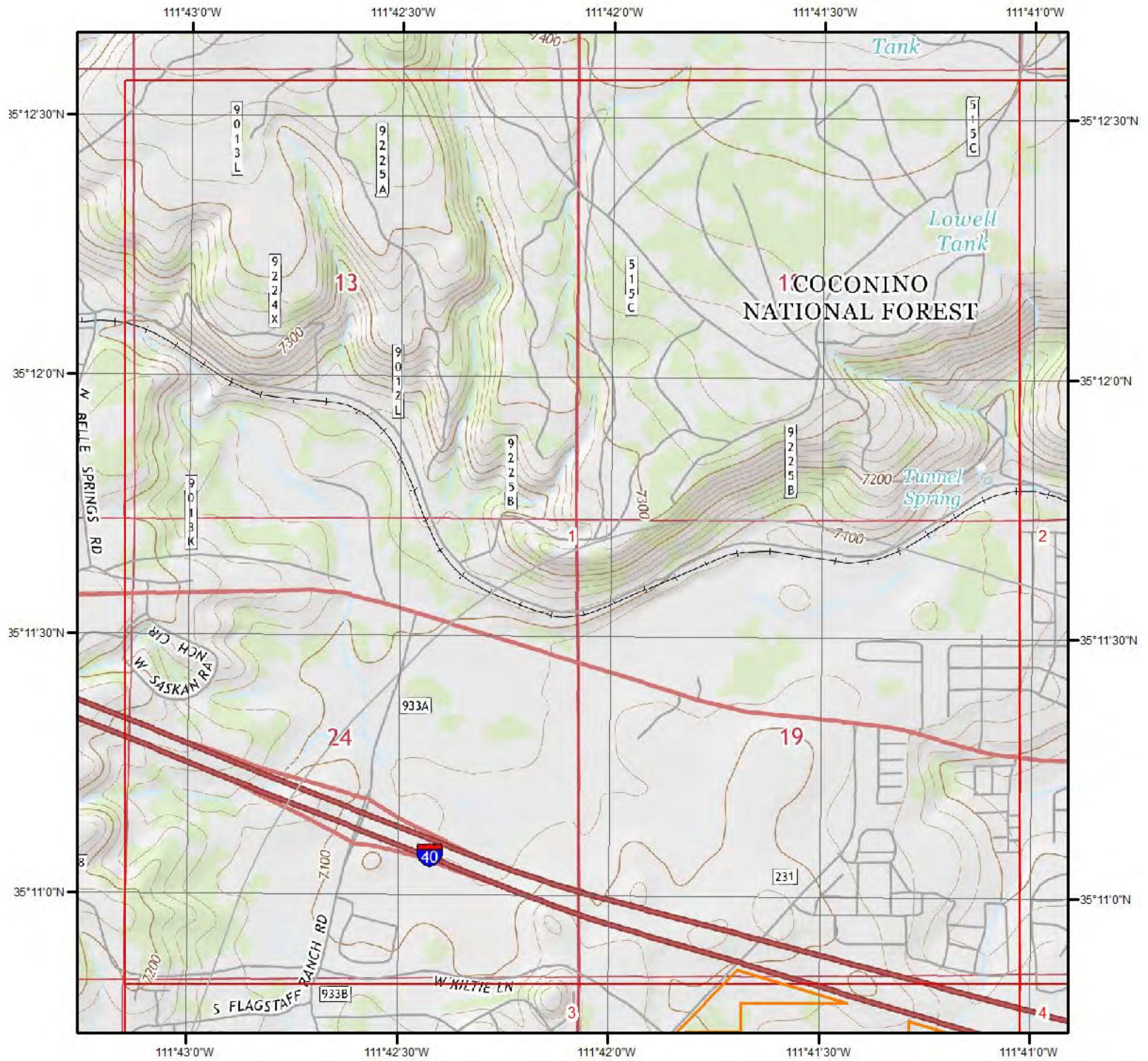


Quadrangle(s): Bellemont,AZ; Dutton Hill,AZ; Flagstaff East,AZ; Flagstaff West,AZ; Humphreys Peak,AZ; Lower Lake Mary,AZ; Mountainaire,AZ

Source: USGS 7.5 Minute Topographic Map



Topographic Information



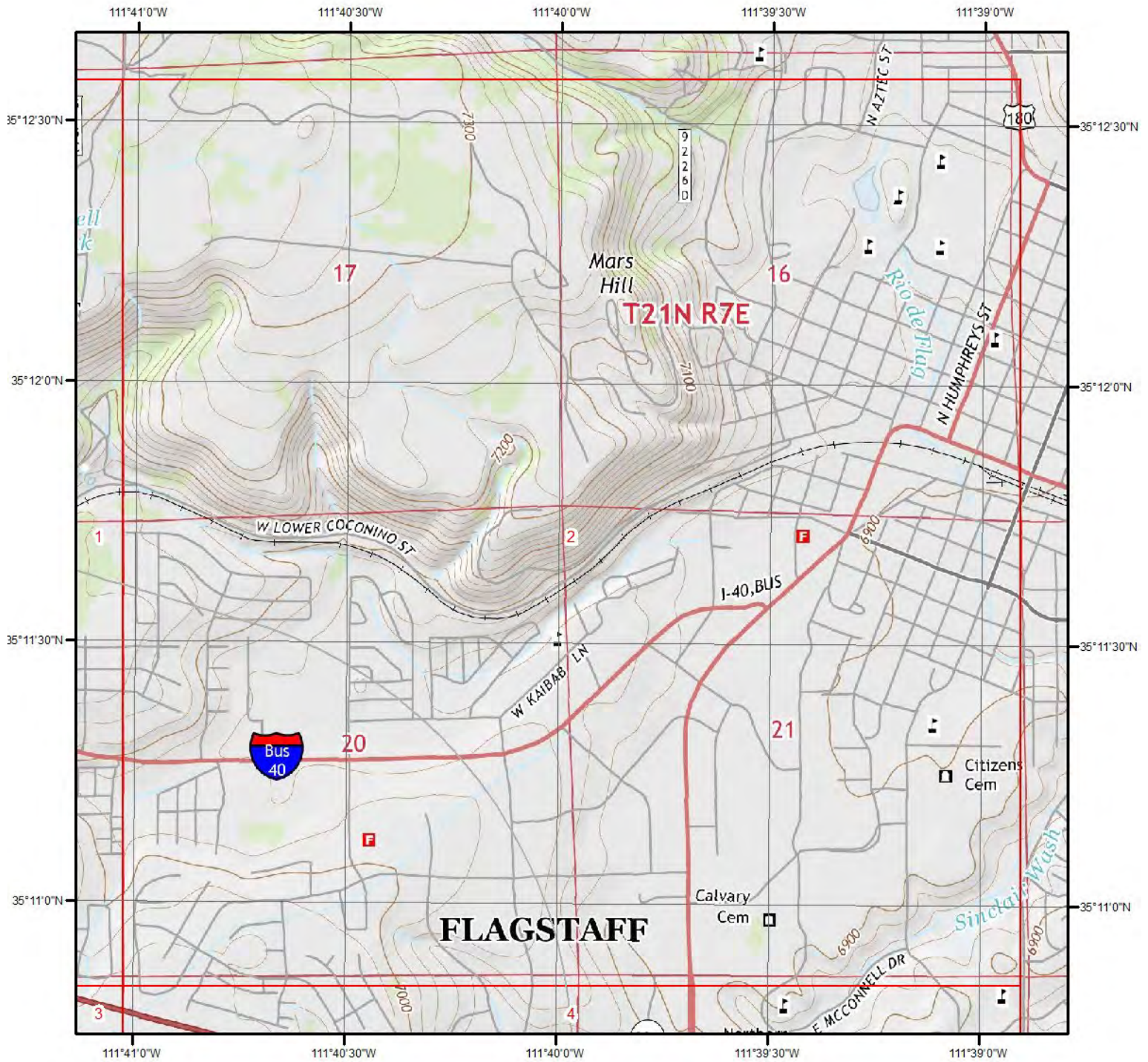
Current USGS Topo - Page 1

Quadrangle(s): Flagstaff West, AZ

Source: USGS 7.5 Minute Topographic Map



Topographic Information



Current USGS Topo - Page 2

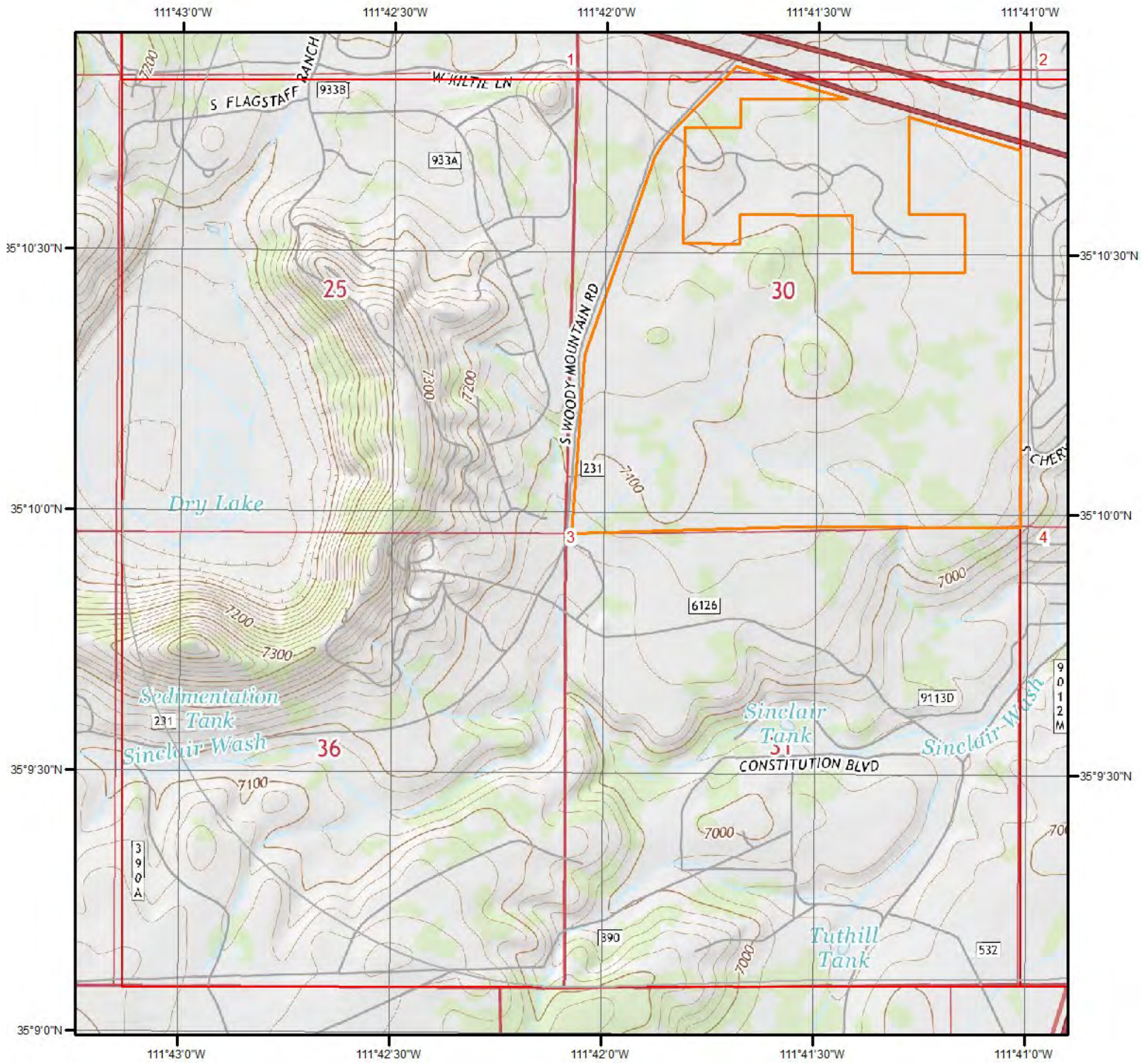


Quadrangle(s): Flagstaff West, AZ

Source: USGS 7.5 Minute Topographic Map



Topographic Information



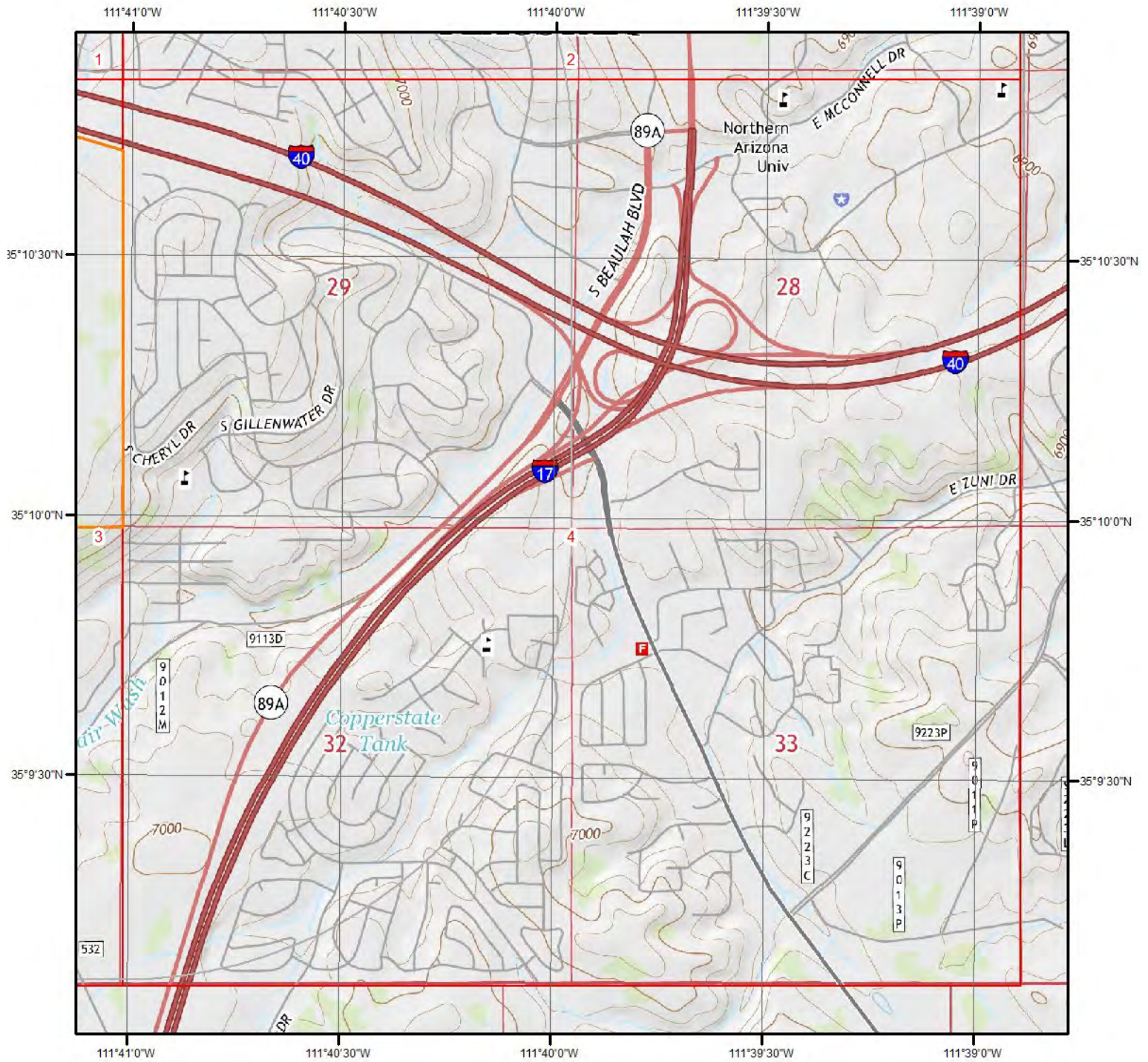
Current USGS Topo - Page 3

Quadrangle(s): Flagstaff West, AZ

Source: USGS 7.5 Minute Topographic Map



Topographic Information



Current USGS Topo - Page 4

Quadrangle(s): Flagstaff West, AZ

Source: USGS 7.5 Minute Topographic Map

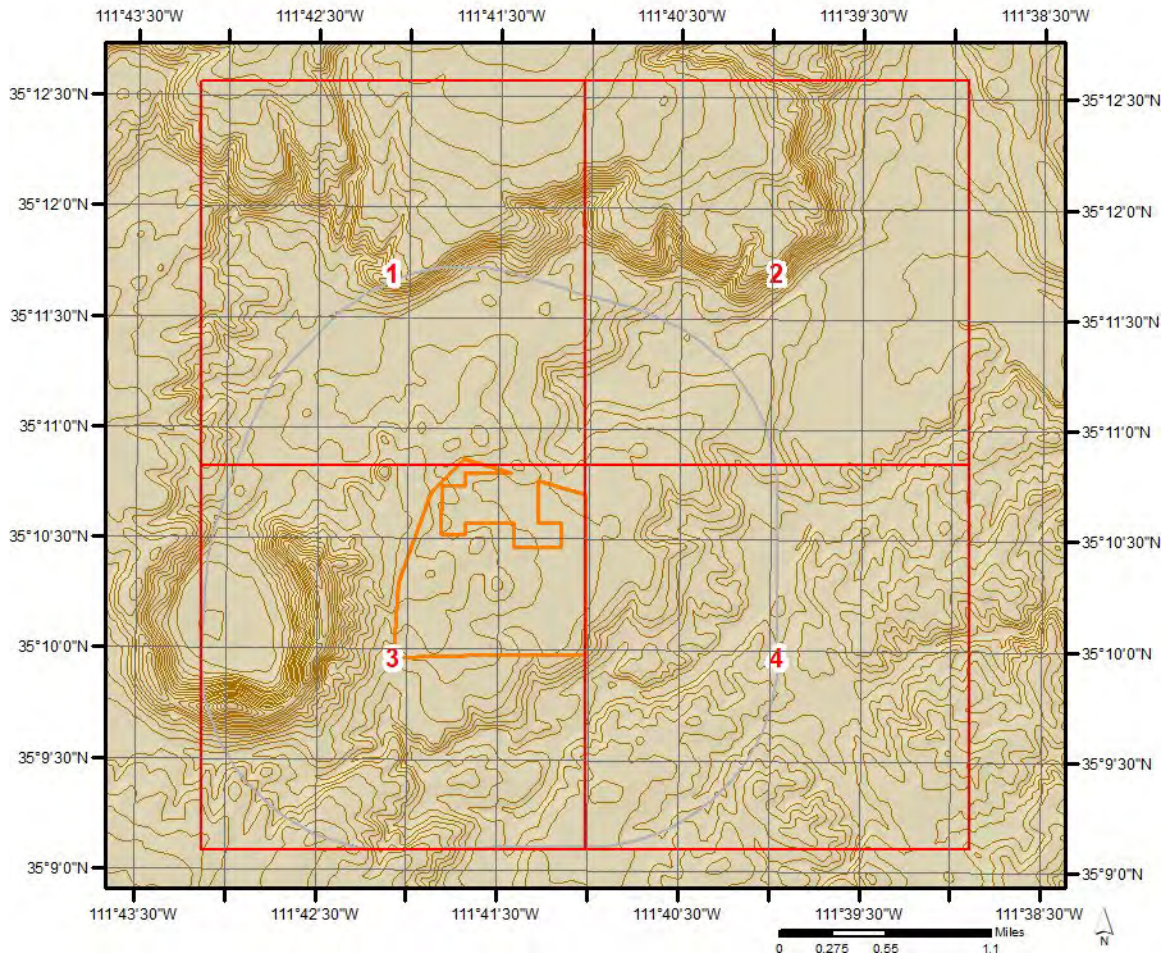


Topographic Information

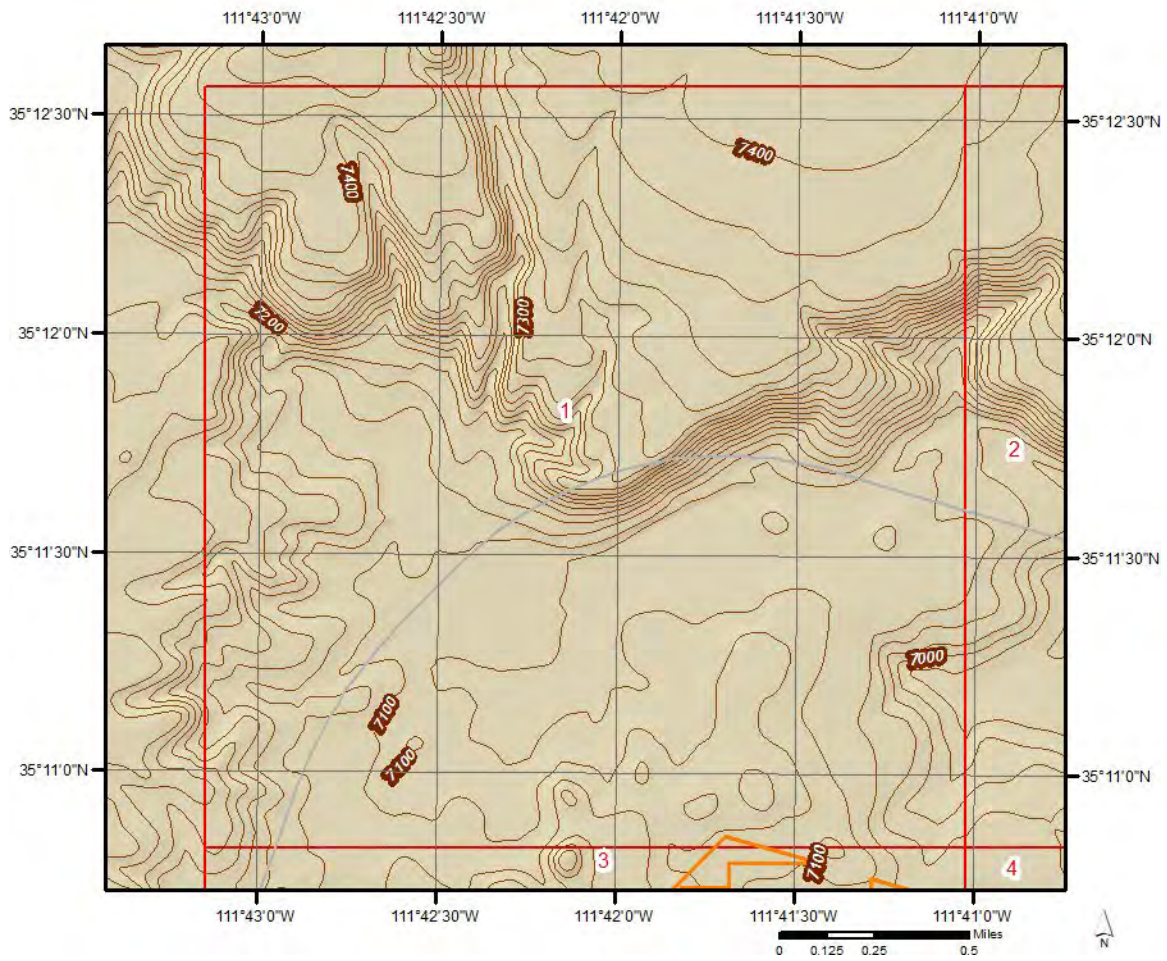
The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

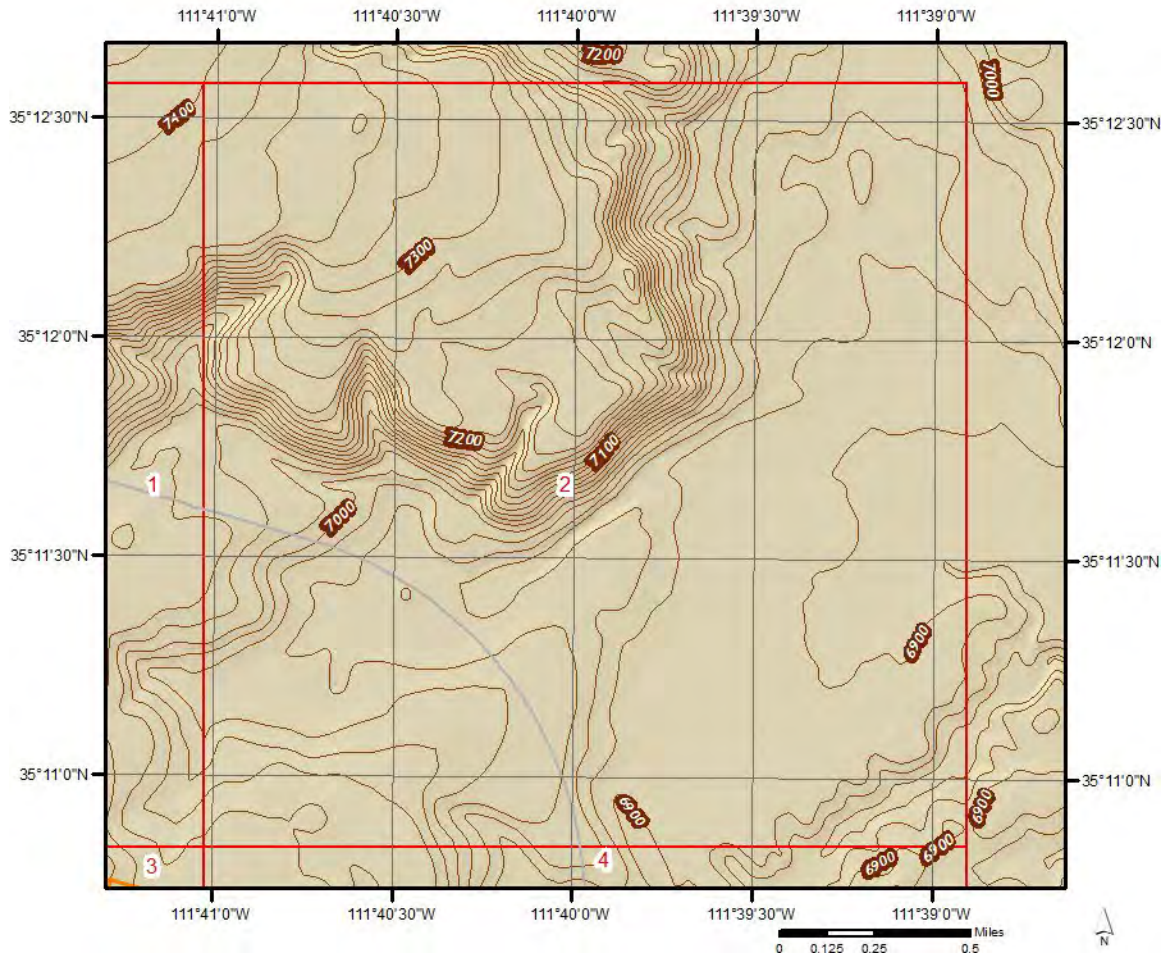
Elevation: 7,128.37 ft
Slope Direction: W



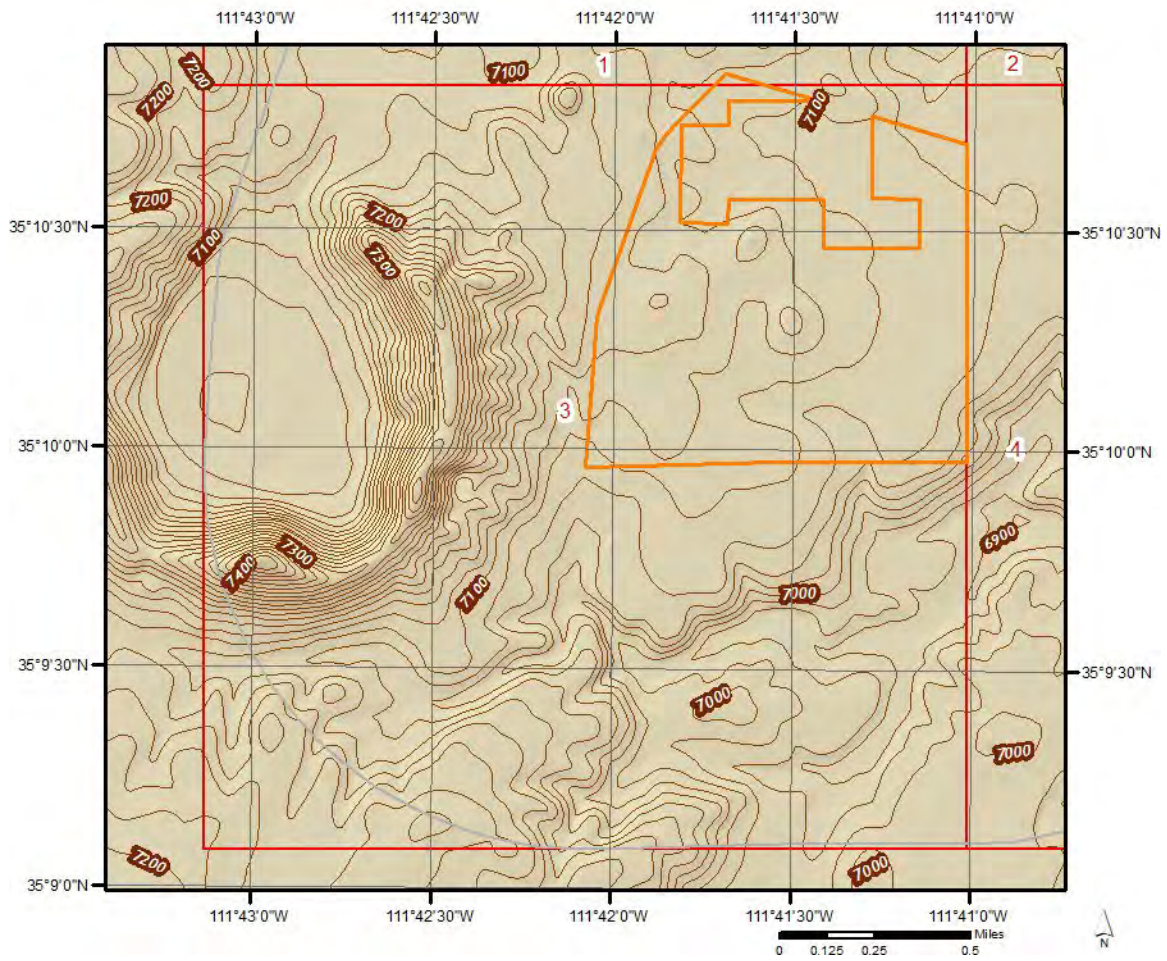
Topographic Information



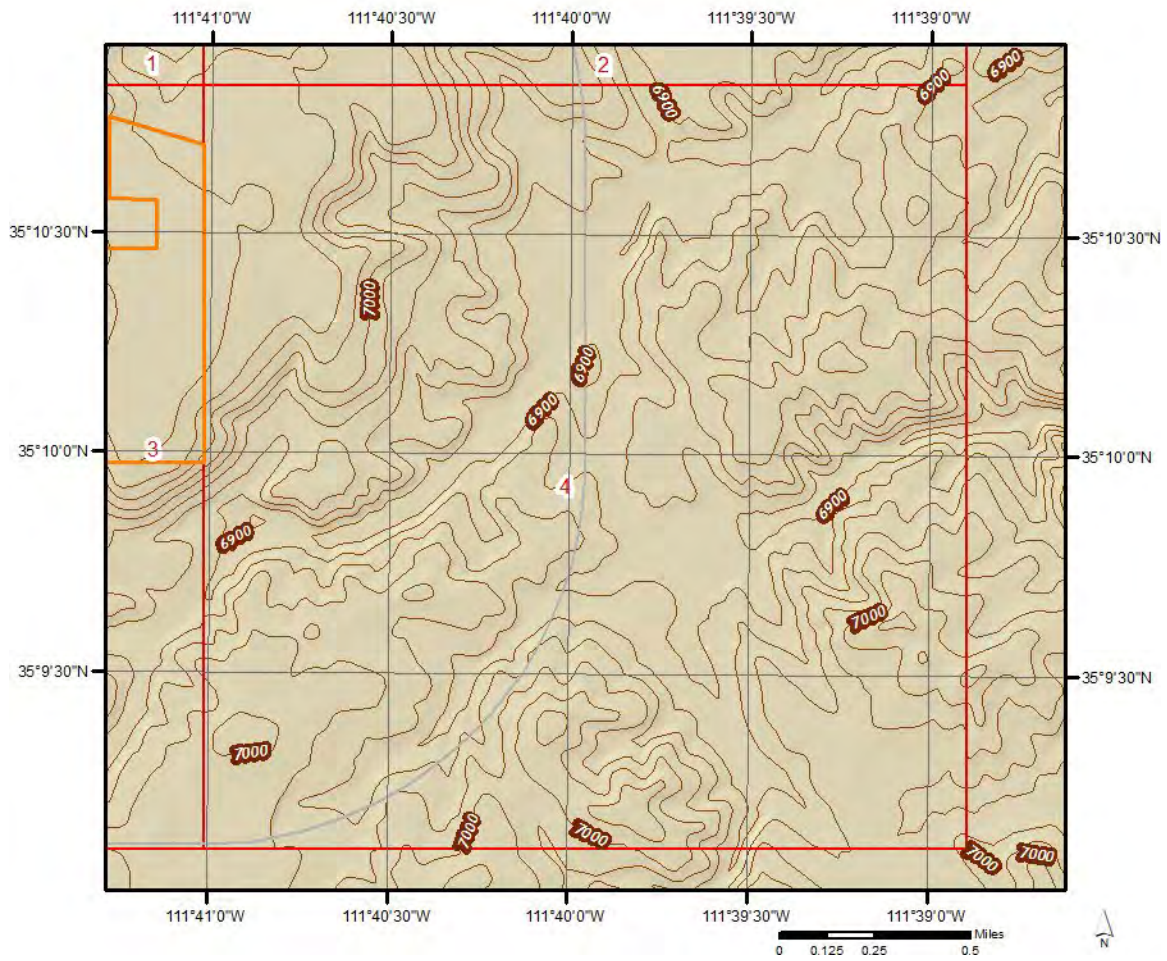
Topographic Information



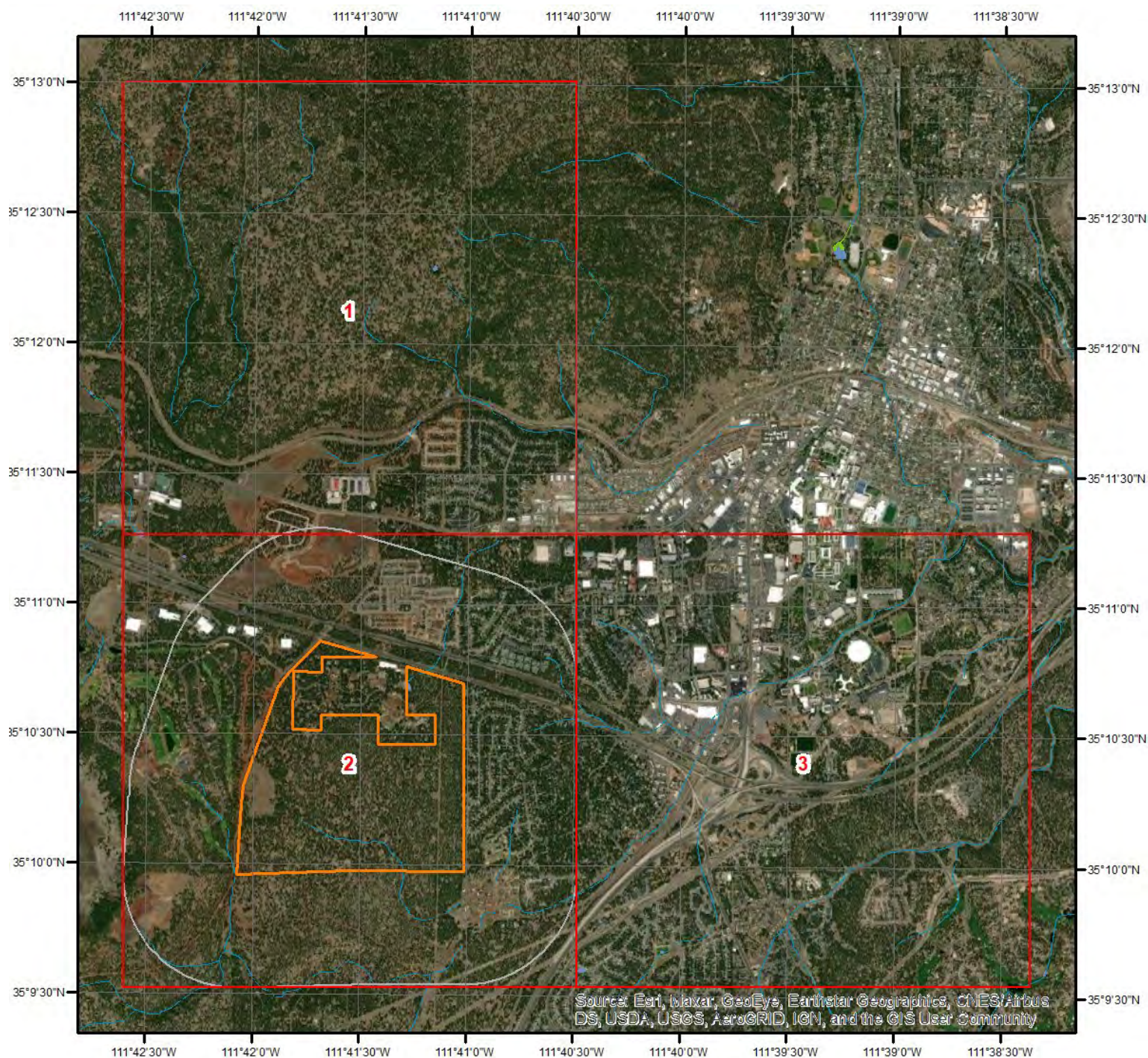
Topographic Information



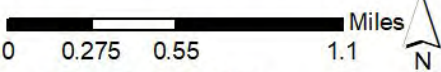
Topographic Information



Hydrologic Information



Wetland



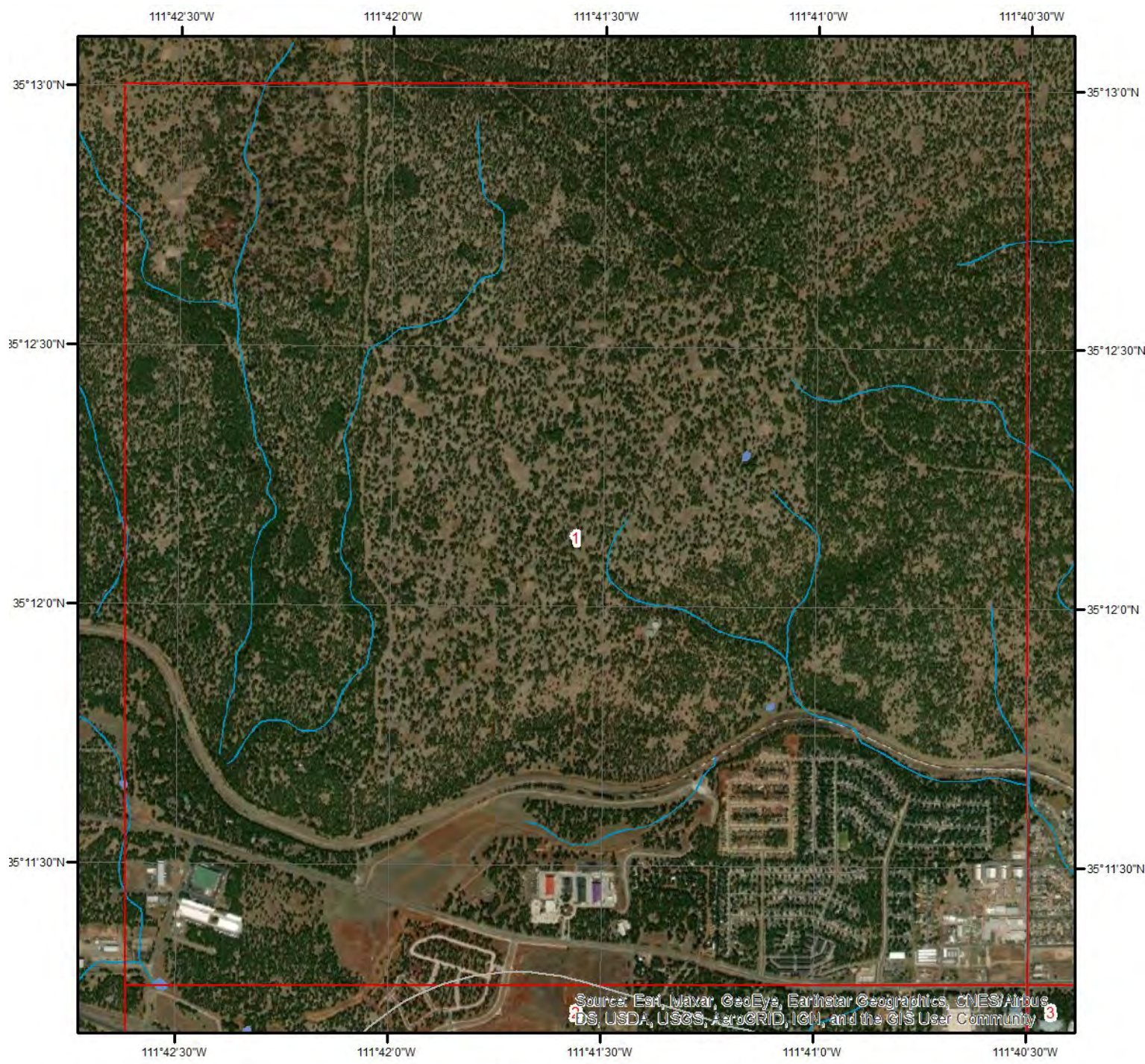
This map shows wetland existence using data from US Fish & Wildlife. Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland

- Freshwater Pond
- Lake
- Other
- Riverine

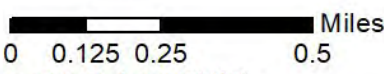






Hydrologic Information



Wetland Type - Page 1

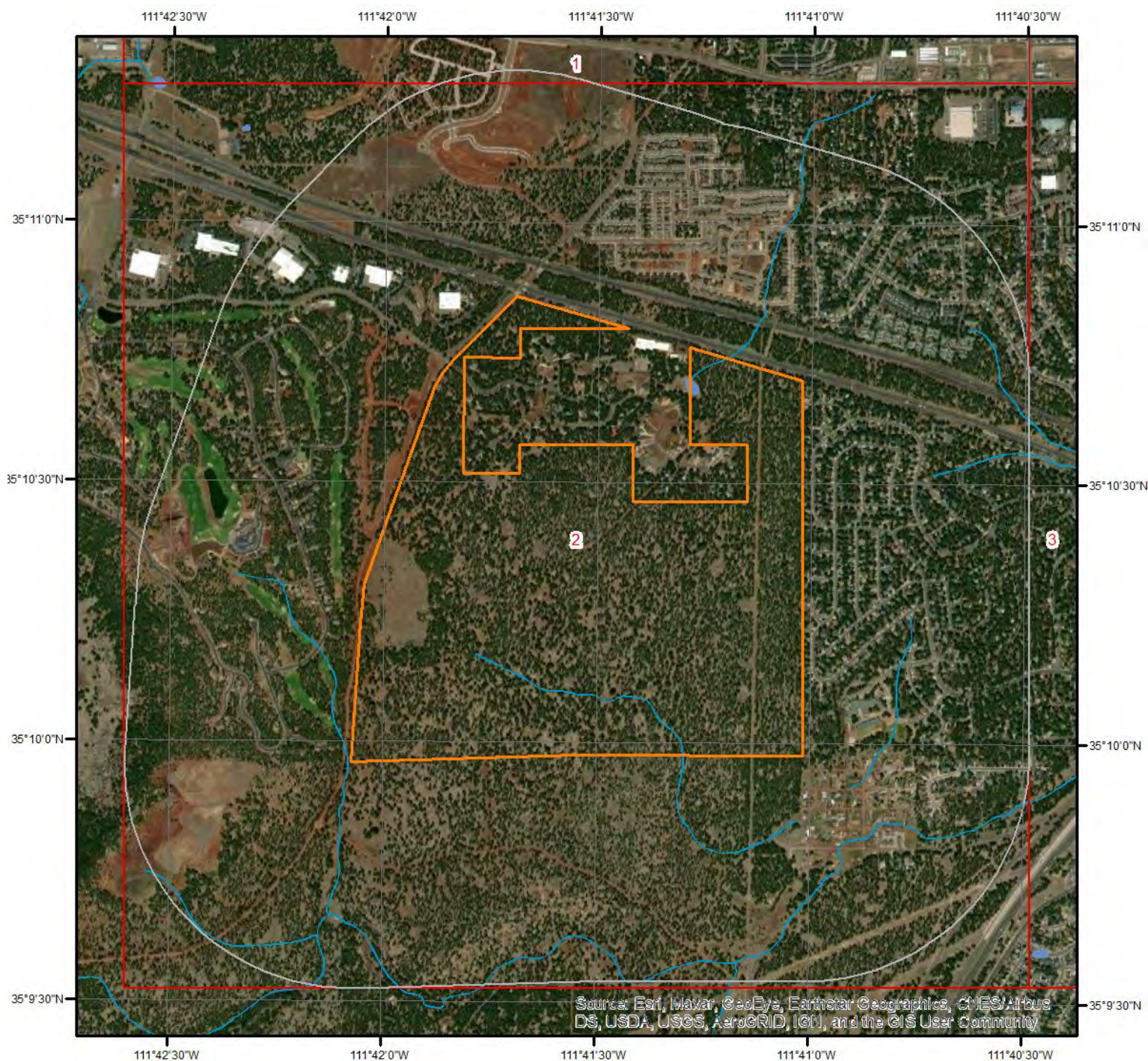
This map shows wetland existence using data from US Fish & Wildlife. Data coverage is shown to the right. Gray indicates no data available in the area.



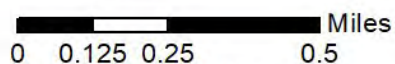
- | | |
|---|---|
|  Estuarine and Marine Deepwater |  Freshwater Pond |
|  Estuarine and Marine Wetland |  Lake |
|  Freshwater Emergent Wetland |  Other |
|  Freshwater Forested/Shrub Wetland |  Riverine |



Hydrologic Information



Wetland Type - Page 2



This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland

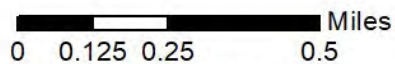
- Freshwater Pond
- Lake
- Other
- Riverine



Hydrologic Information



Wetland Type - Page 3



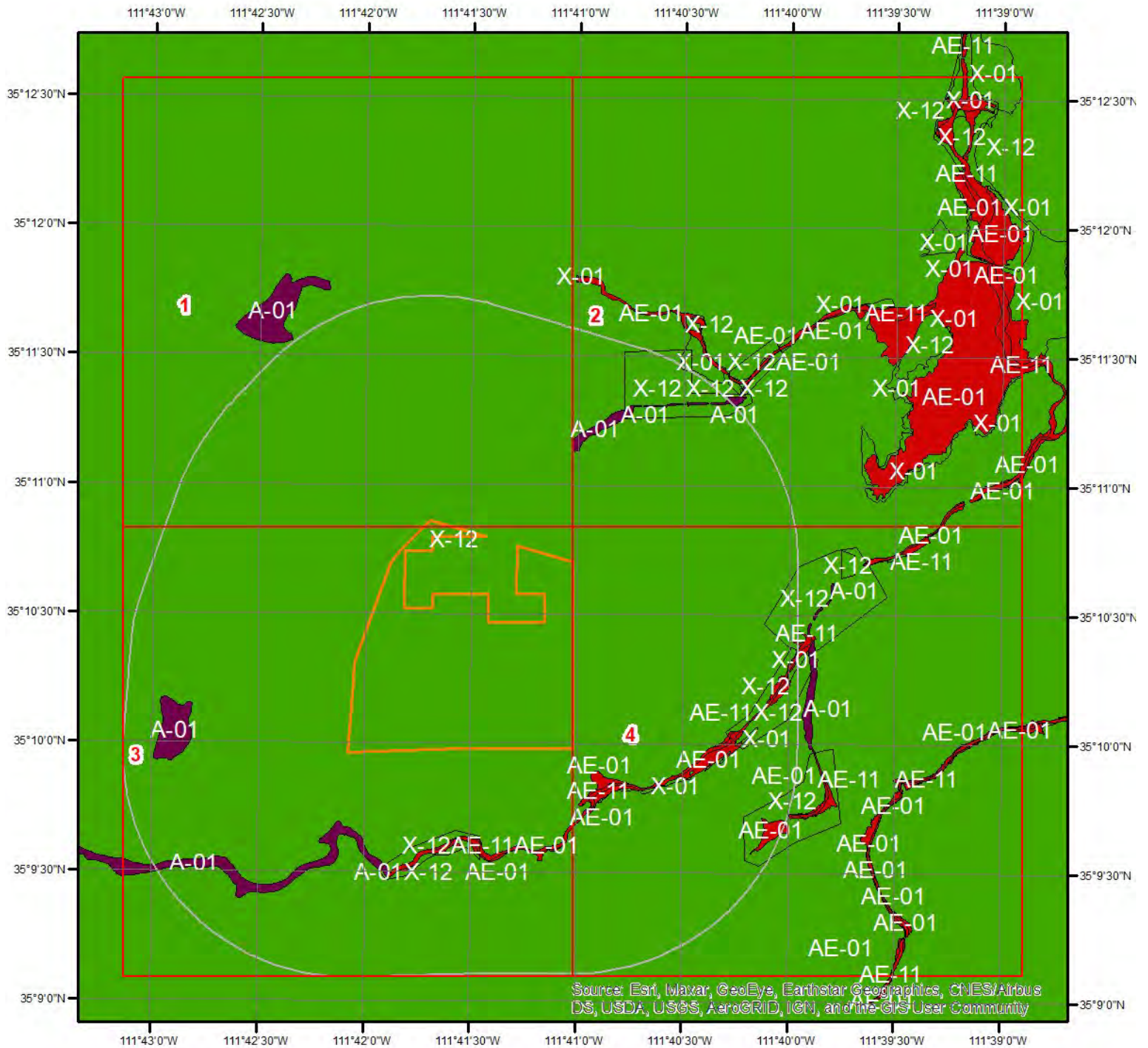
This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland

- Freshwater Pond
- Lake
- Other
- Riverine



Hydrologic Information



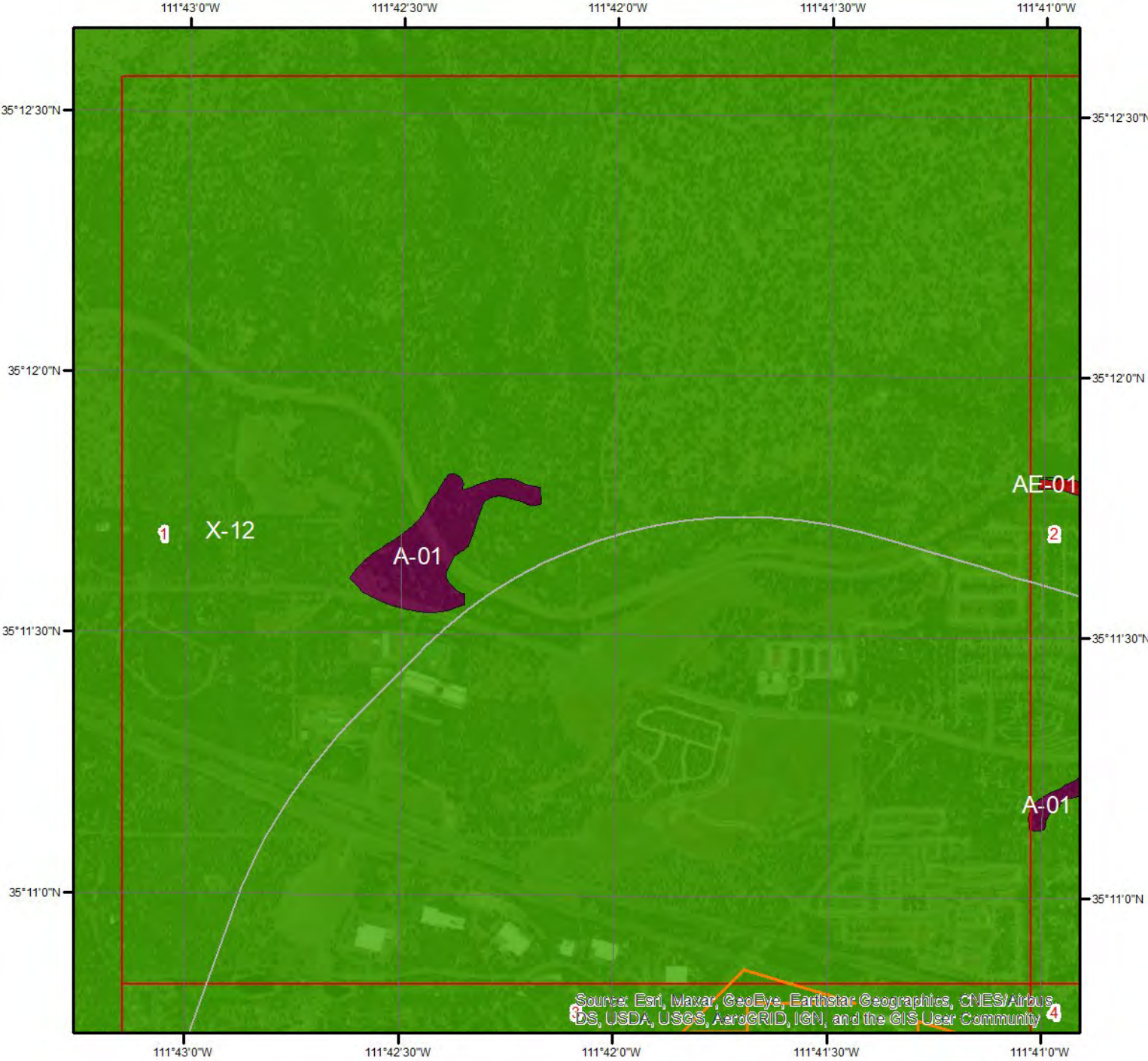
Flood Hazard Zones

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

- | | | |
|-----|----|-------------------|
| A | AO | X |
| A99 | V | OPEN WATER |
| AE | VE | NOT POPULATED |
| AH | D | AREA NOT INCLUDED |



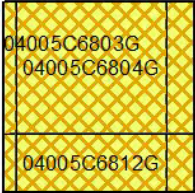
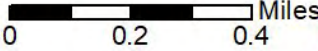
Hydrologic Information



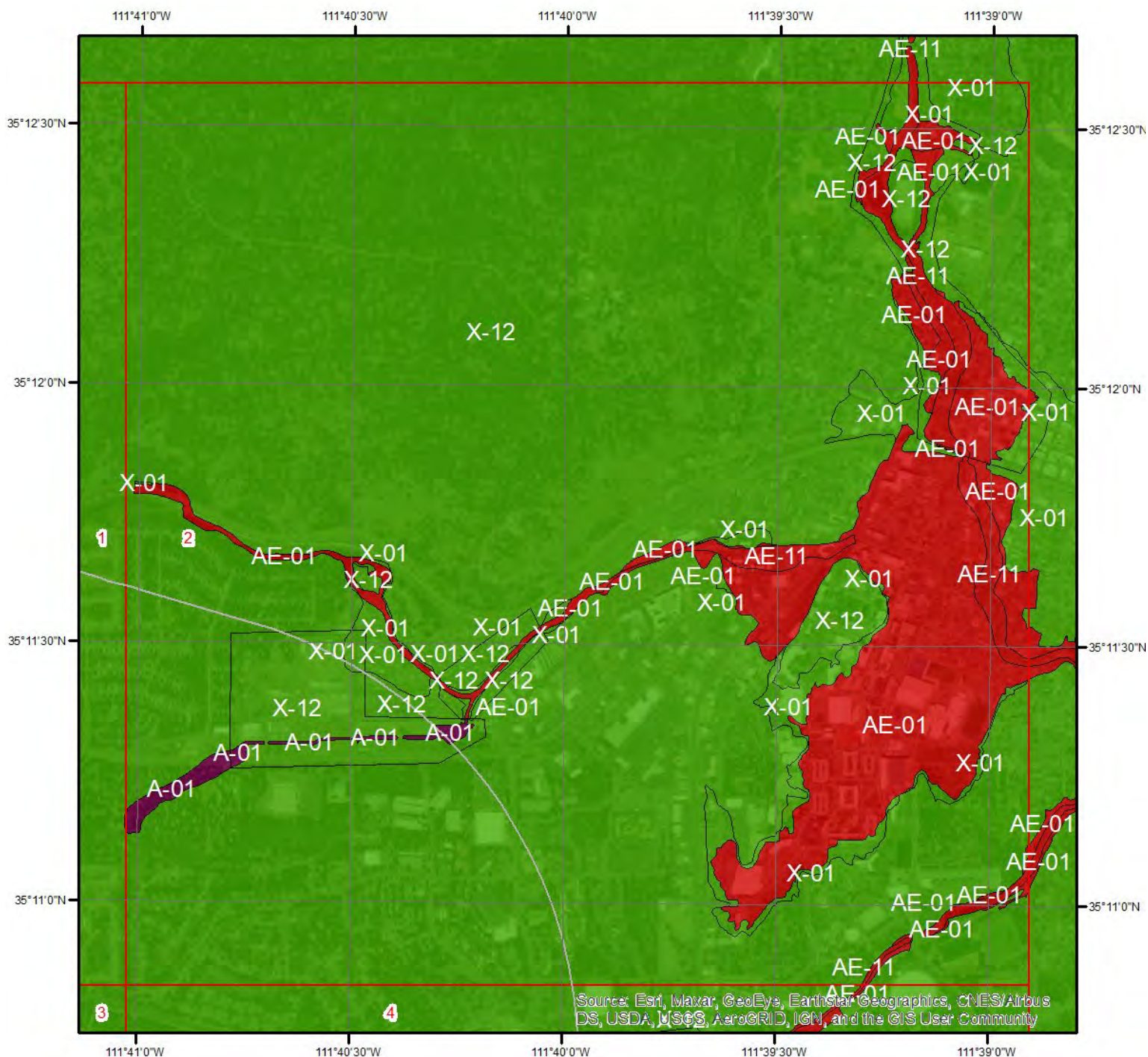
Flood Hazard Zones - Page 1

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

- | | | |
|-----|----|-------------------|
| A | AO | X |
| A99 | V | OPEN WATER |
| AE | VE | NOT POPULATED |
| AH | D | AREA NOT INCLUDED |



Hydrologic Information



Flood Hazard Zones - Page 2

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

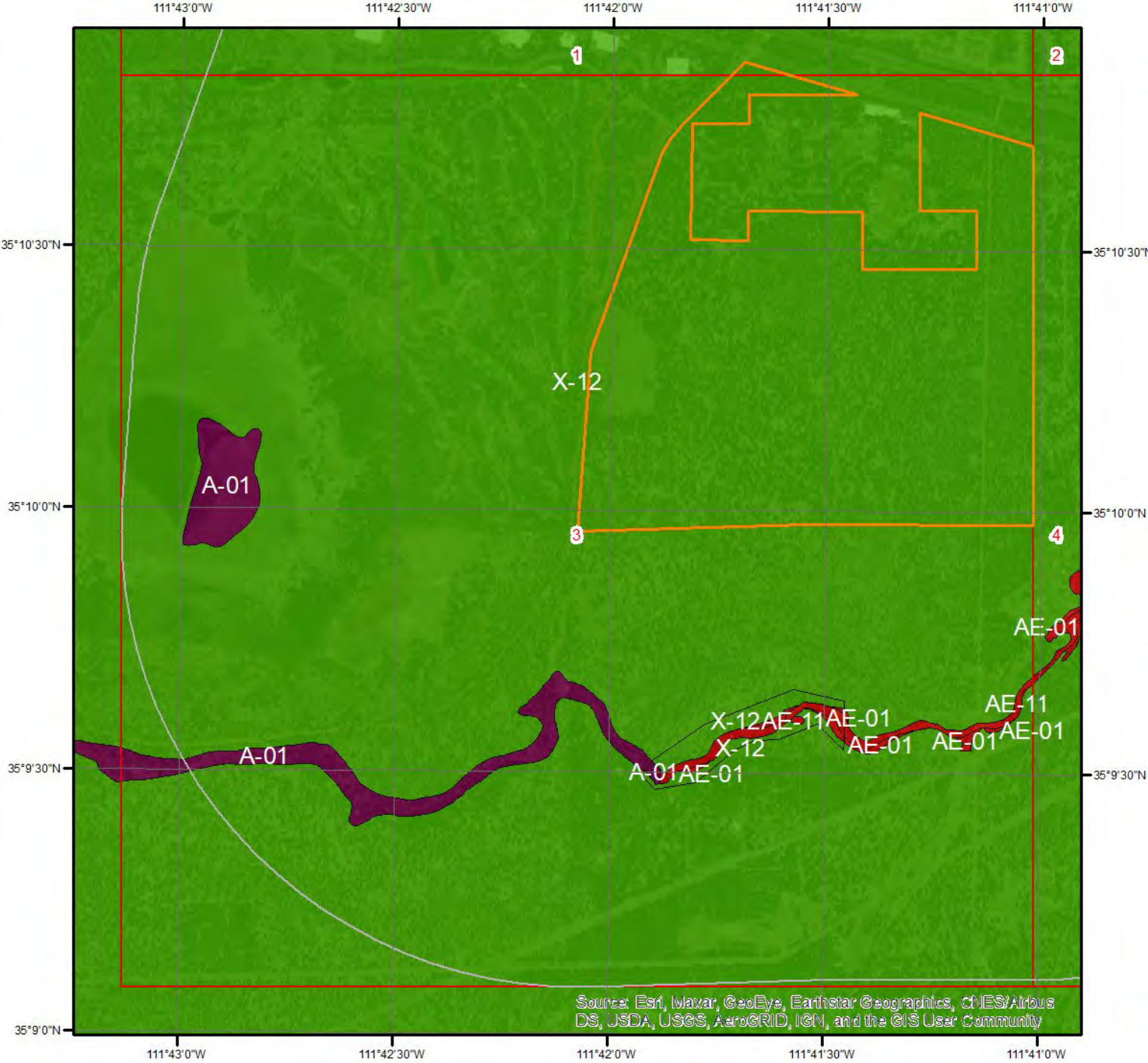
- | | | |
|-----|----|-------------------|
| A | AO | X |
| A99 | V | OPEN WATER |
| AE | VE | NOT POPULATED |
| AH | D | AREA NOT INCLUDED |

0 0.2 0.4 Miles



04005C6808G	
04005C6816G	

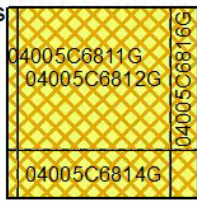
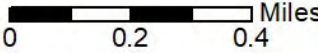




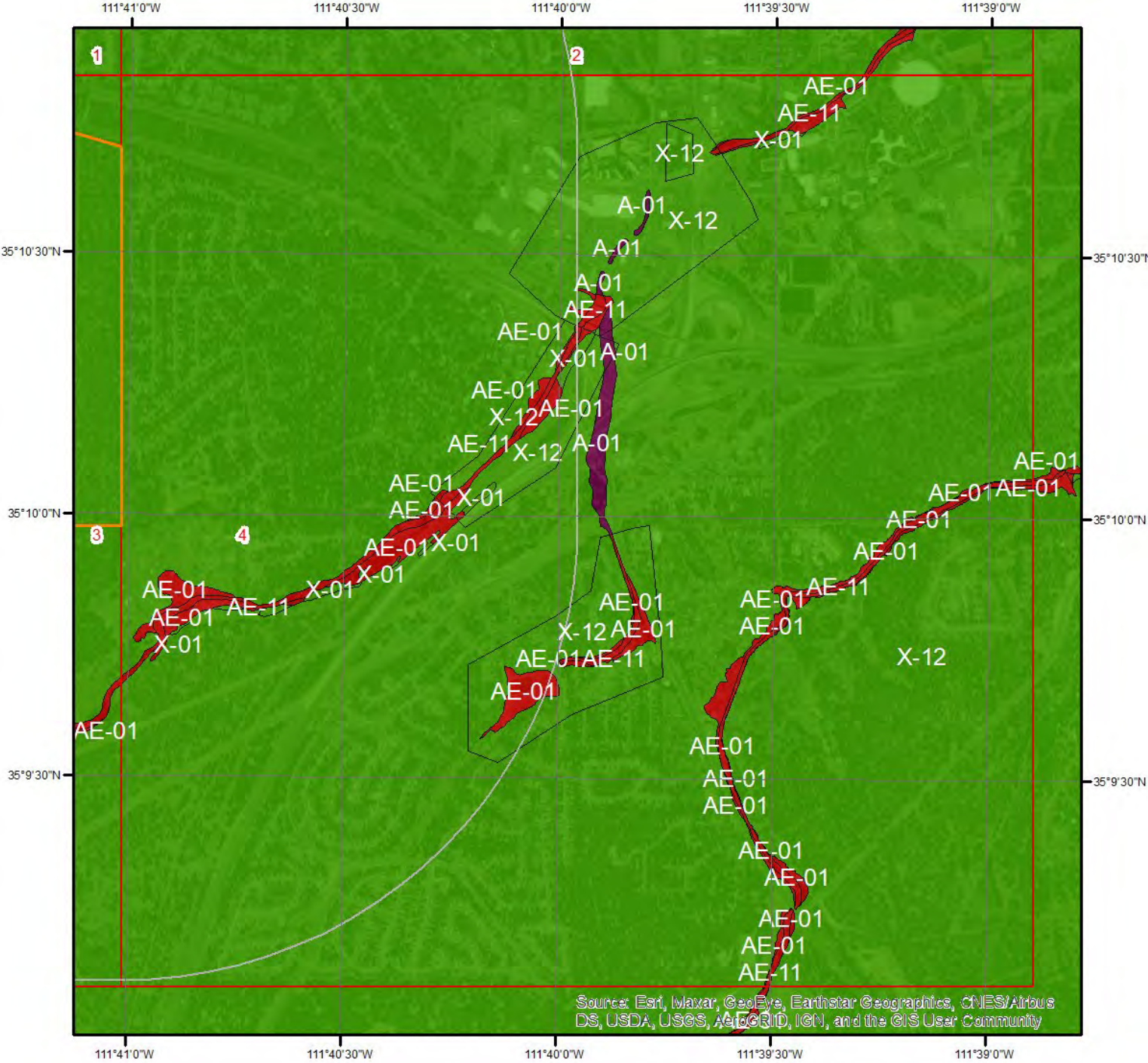
Flood Hazard Zones - Page 3

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

- | | | |
|-----|----|-------------------|
| A | AO | X |
| A99 | V | OPEN WATER |
| AE | VE | NOT POPULATED |
| AH | D | AREA NOT INCLUDED |



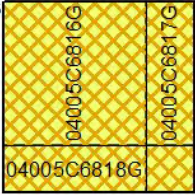
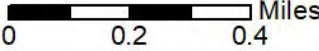
Hydrologic Information



Flood Hazard Zones - Page 4

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

- | | | |
|-----|----|-------------------|
| A | AO | X |
| A99 | V | OPEN WATER |
| AE | VE | NOT POPULATED |
| AH | D | AREA NOT INCLUDED |



Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below. For detailed Zone descriptions please click the link: <https://floodadvocate.com/fema-zone-definitions>

Available FIRM Panels in area:

04005C6808G(effective:2010-09-03) 04005C6814G(effective:2010-09-03)
04005C6804G(effective:2010-09-03) 04005C6811G(effective:2010-09-03)
04005C6818G(effective:2010-09-03) 04005C6816G(effective:2010-09-03)
04005C6812G(effective:2010-09-03)

Flood Zone A-01

Zone: A
Zone subtype:

Flood Zone AE-01

Zone: AE
Zone subtype:

Flood Zone AE-11

Zone: AE
Zone subtype: FLOODWAY

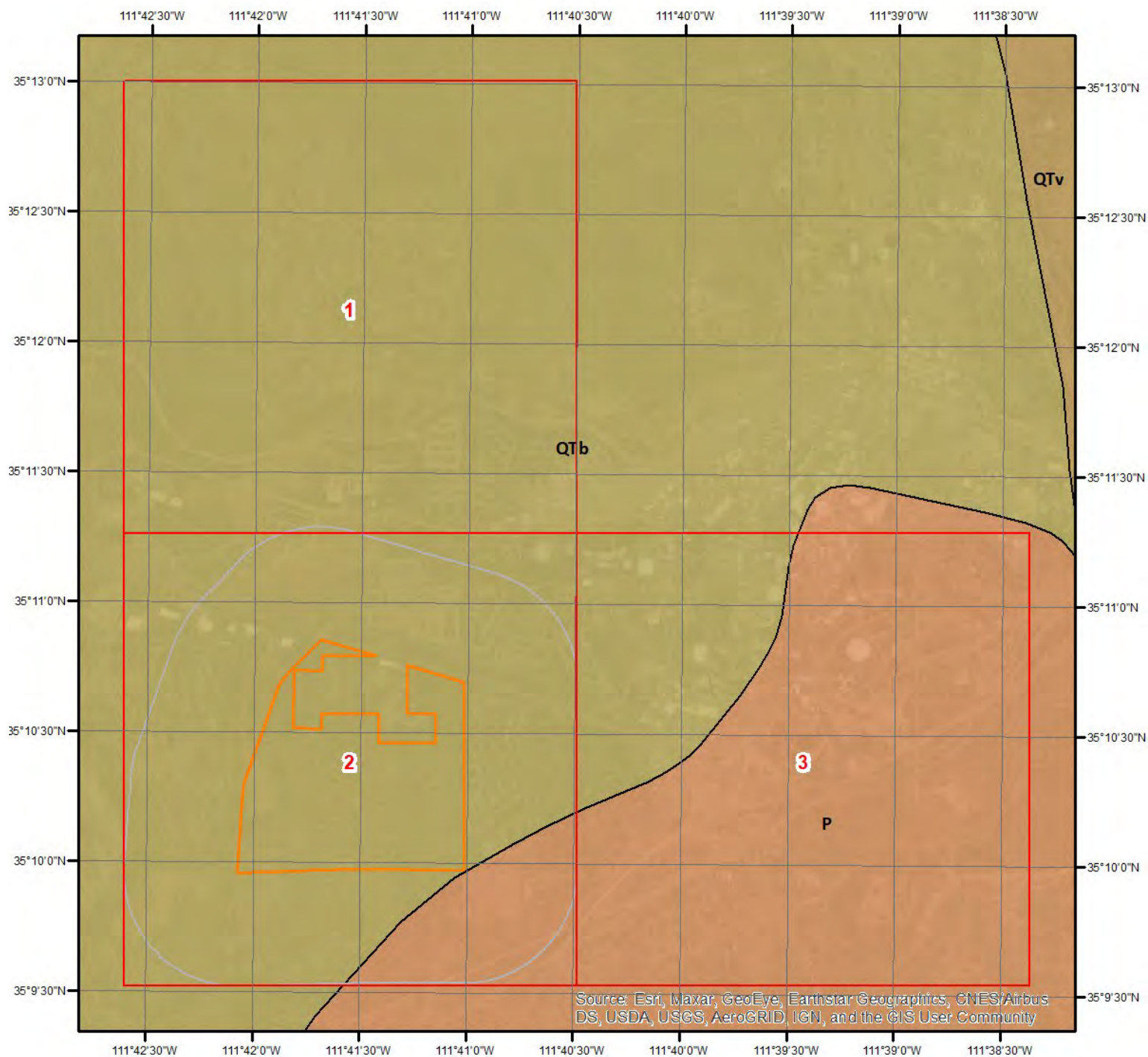
Flood Zone X-01

Zone: X
Zone subtype: 0.2 PCT ANNUAL CHANCE FLOOD HAZARD

Flood Zone X-12

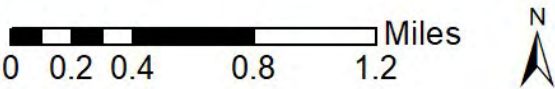
Zone: X
Zone subtype: AREA OF MINIMAL FLOOD HAZARD

Geologic Information

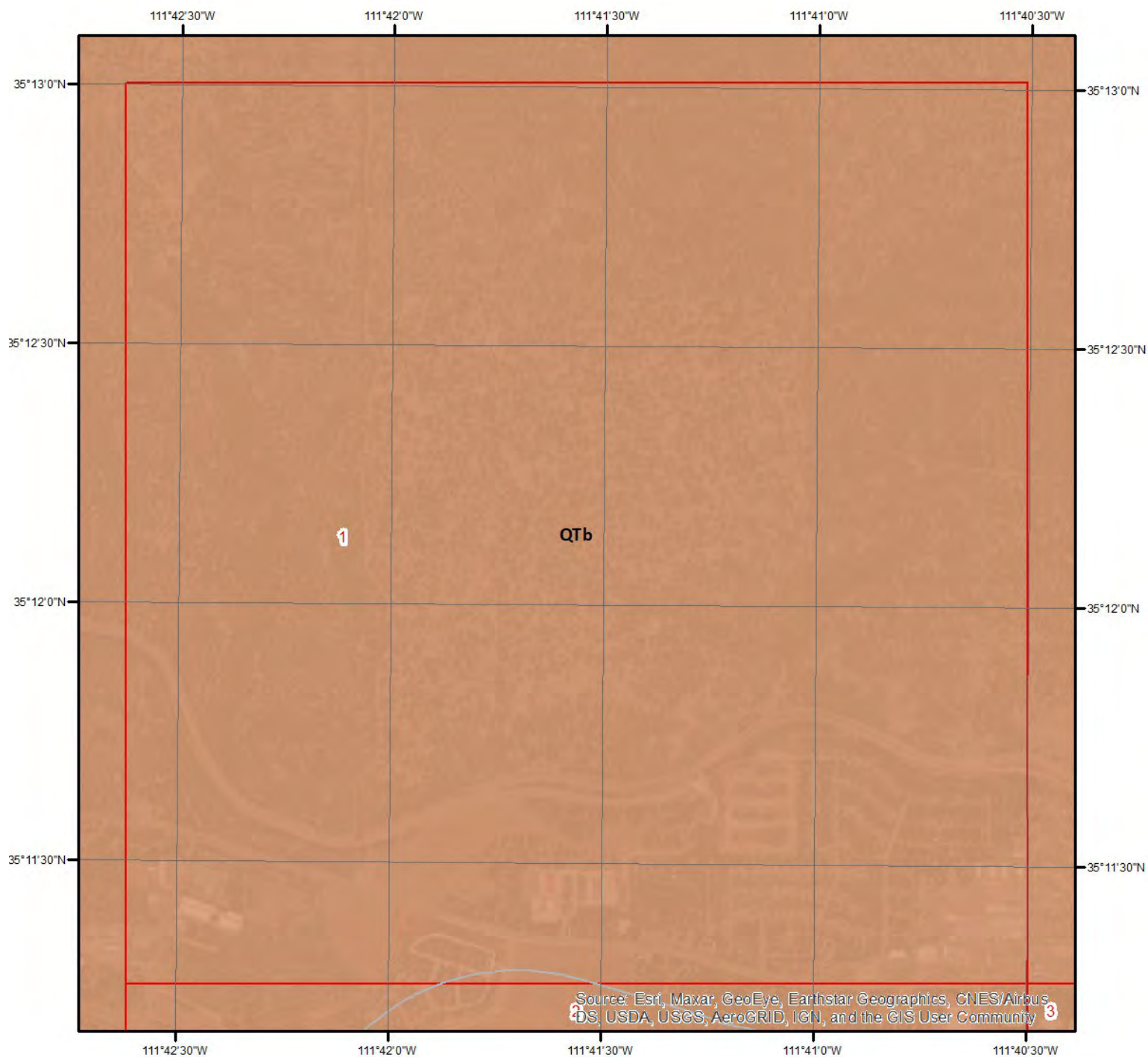


Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

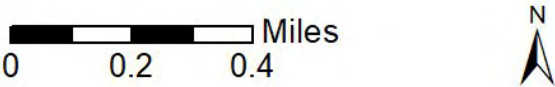


Geologic Information

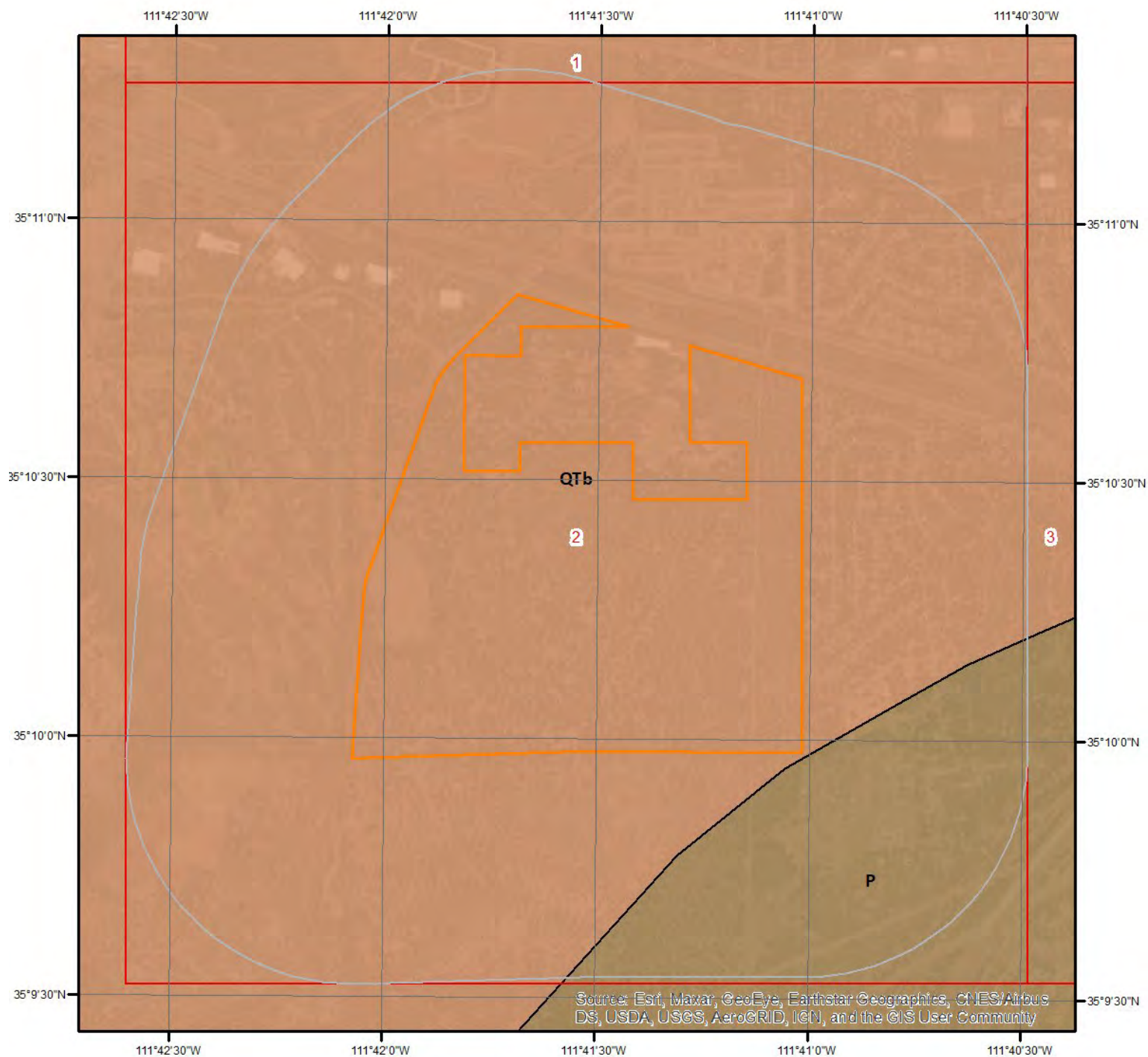


Geologic Units - Page 1

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.



Geologic Information

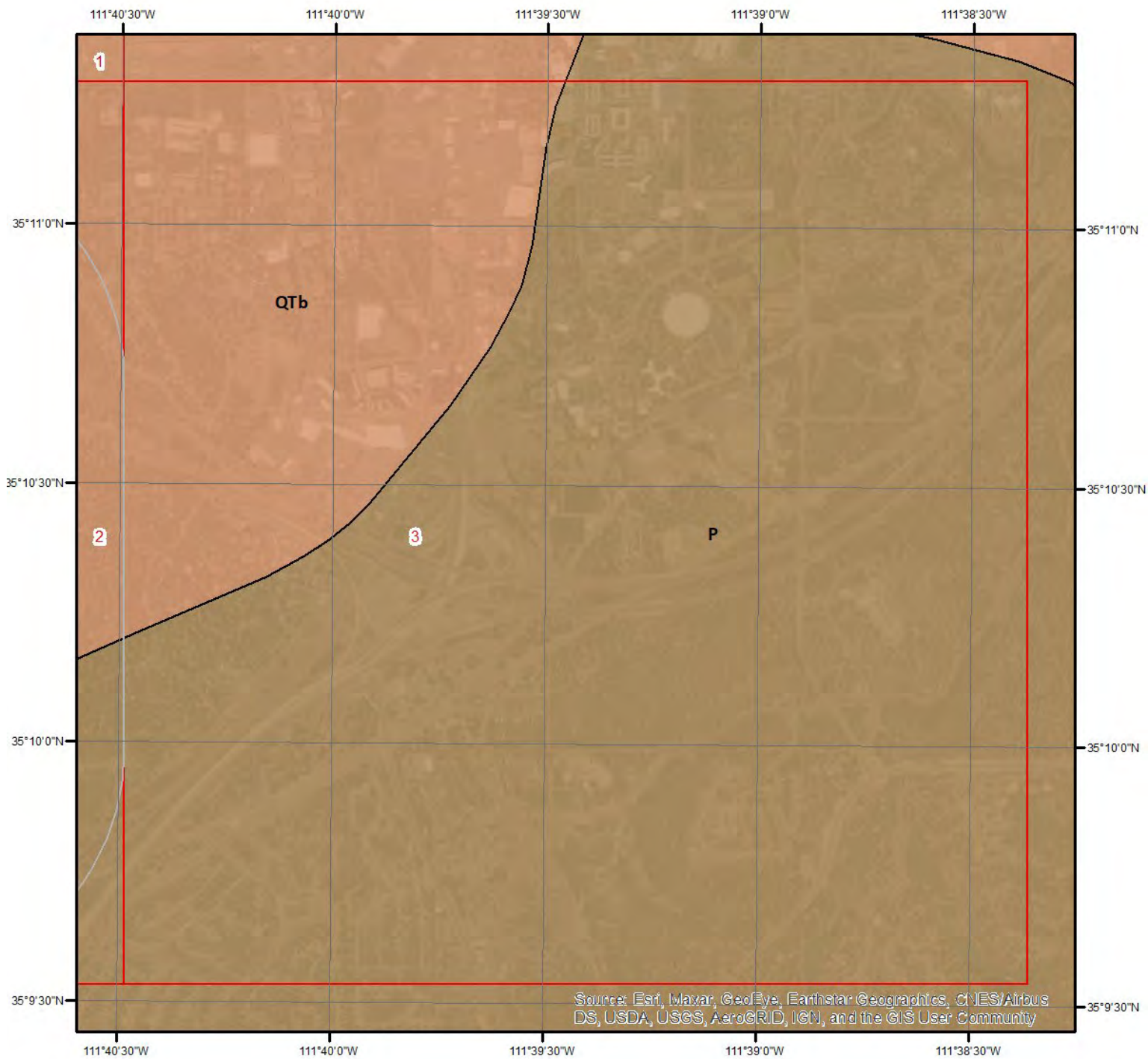


Geologic Units - Page 2

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

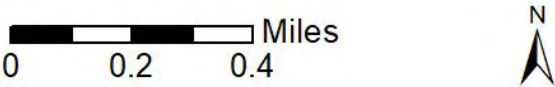


Geologic Information



Geologic Units - Page 3

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.



Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

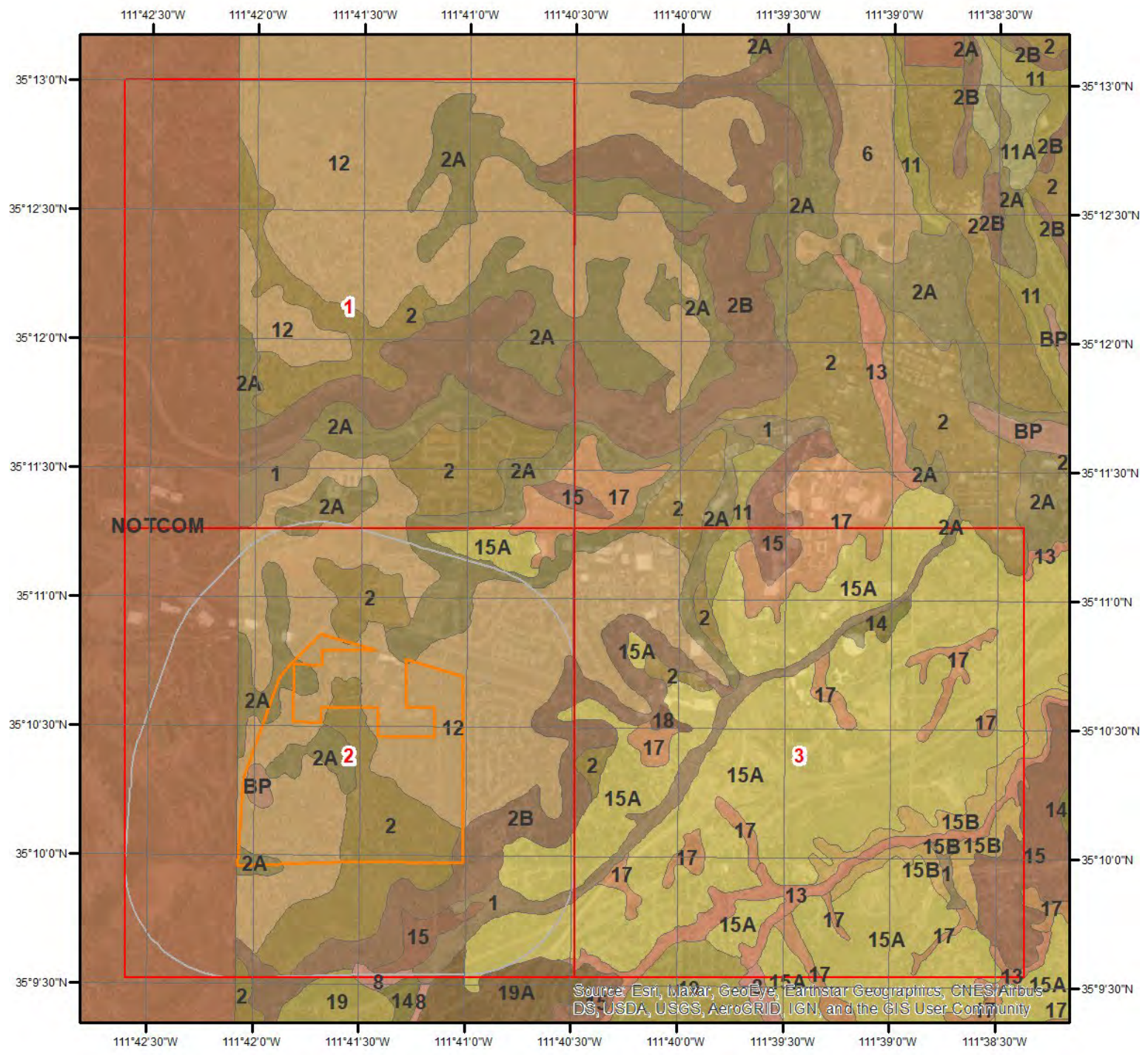
Geologic Unit QTb

Unit Name:	Holocene to middle Pliocene basaltic rocks
Unit Age:	Middle Pliocene to Holocene
Primary Rock Type:	alkaline basalt
Secondary Rock Type:	basalt
Unit Description:	Mostly dark-colored basaltic lava and cinders young enough that some original volcanic landforms are still apparent. Includes a small amount of andesite, dacite, and rhyolite. Rocks of this map unit are largely restricted to six areas widely distributed in Arizona: San Francisco and Uinkaret volcanic fields in northern Arizona (0-4 Ma); Springerville (0-4 Ma) and San Carlos (0-2 Ma) volcanic fields in east-central Arizona; and San Bernardino (0-1 Ma) and Sentinel (1-4 Ma) volcanic fields in southern Arizona. Rocks of this unit are also present in the extreme southwestern part of Arizona where they were erupted at the edge of the Pinacate volcanic field (0-2 Ma) in northwestern Sonora. (0-4 Ma)

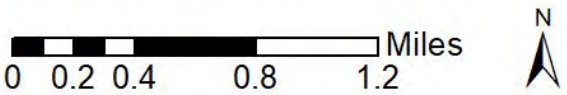
Geologic Unit P

Unit Name:	Permian sedimentary rocks
Unit Age:	Permian
Primary Rock Type:	limestone
Secondary Rock Type:	sandstone
Unit Description:	Gray to tan, cherty limestone of Kaibab and Toroweap Formations, and underlying white to tan, fine-grained Coconino Sandstone. Limestone was deposited in a shallow sea, and sandstone was deposited in near-shore dunes and beach settings. (270-280 Ma)

Soil Information



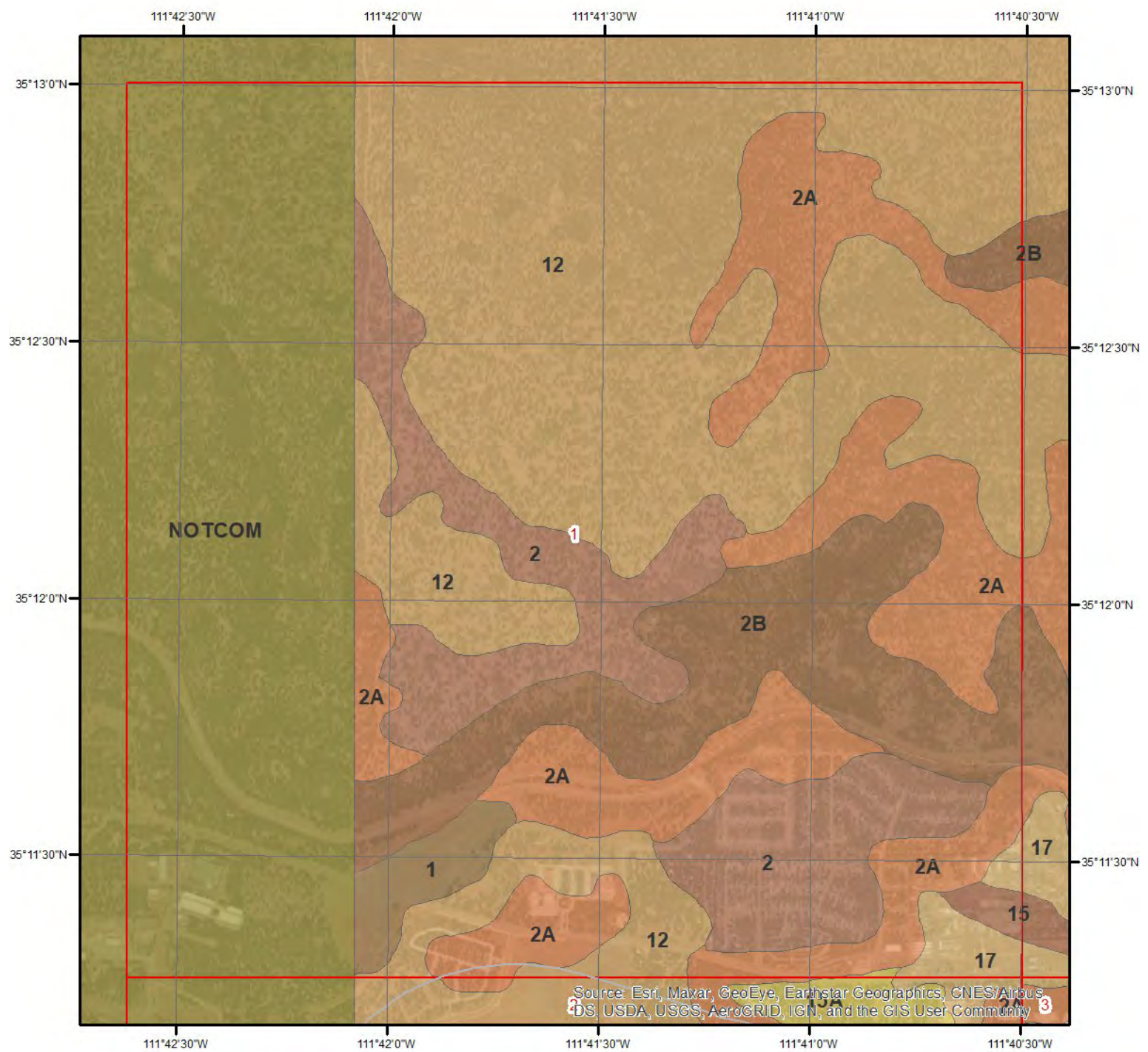
SSURGO Soils



This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.



Soil Information



SSURGO Soils - Page 1

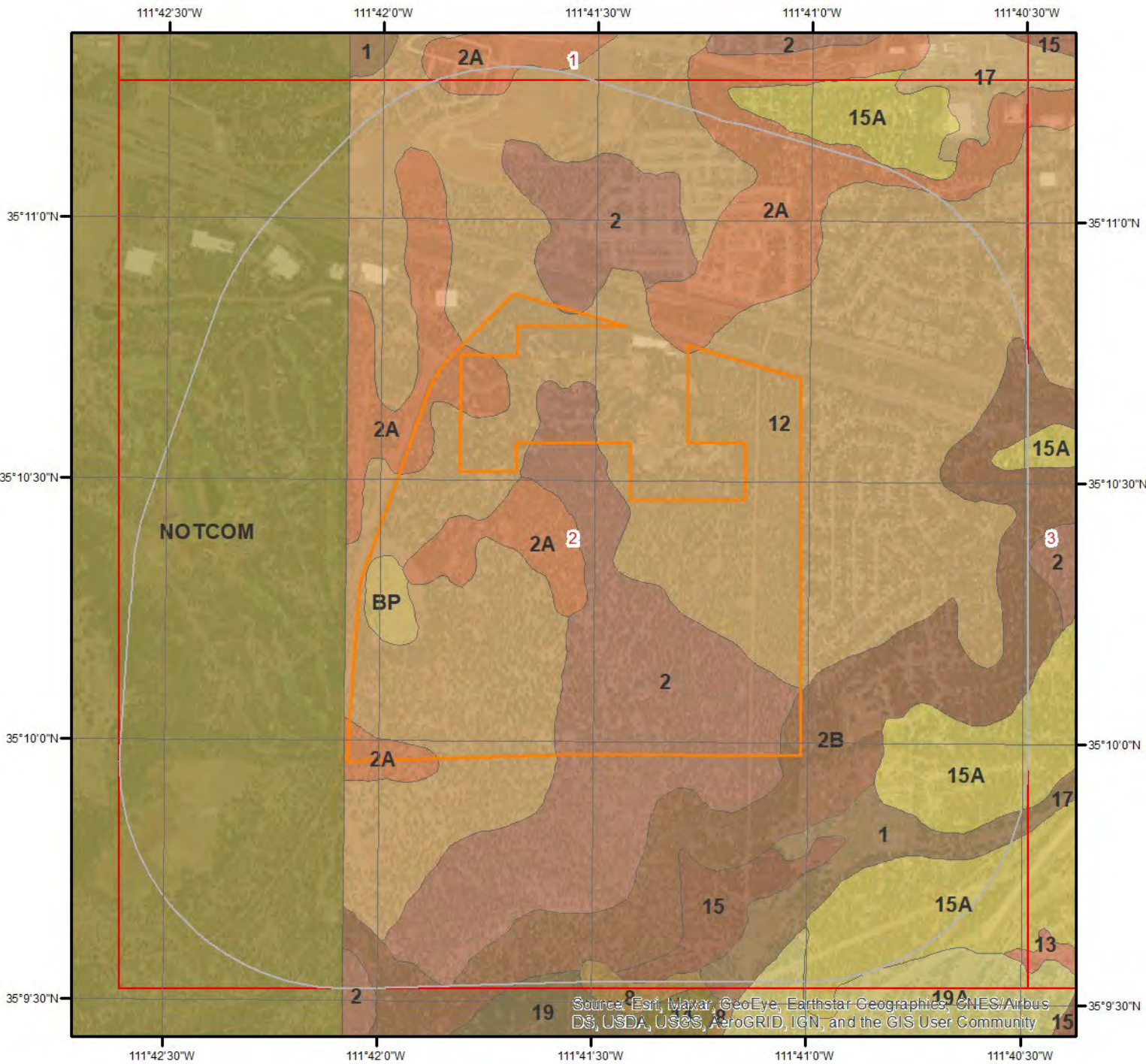
0 0.2 0.4 Miles



This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.



Soil Information

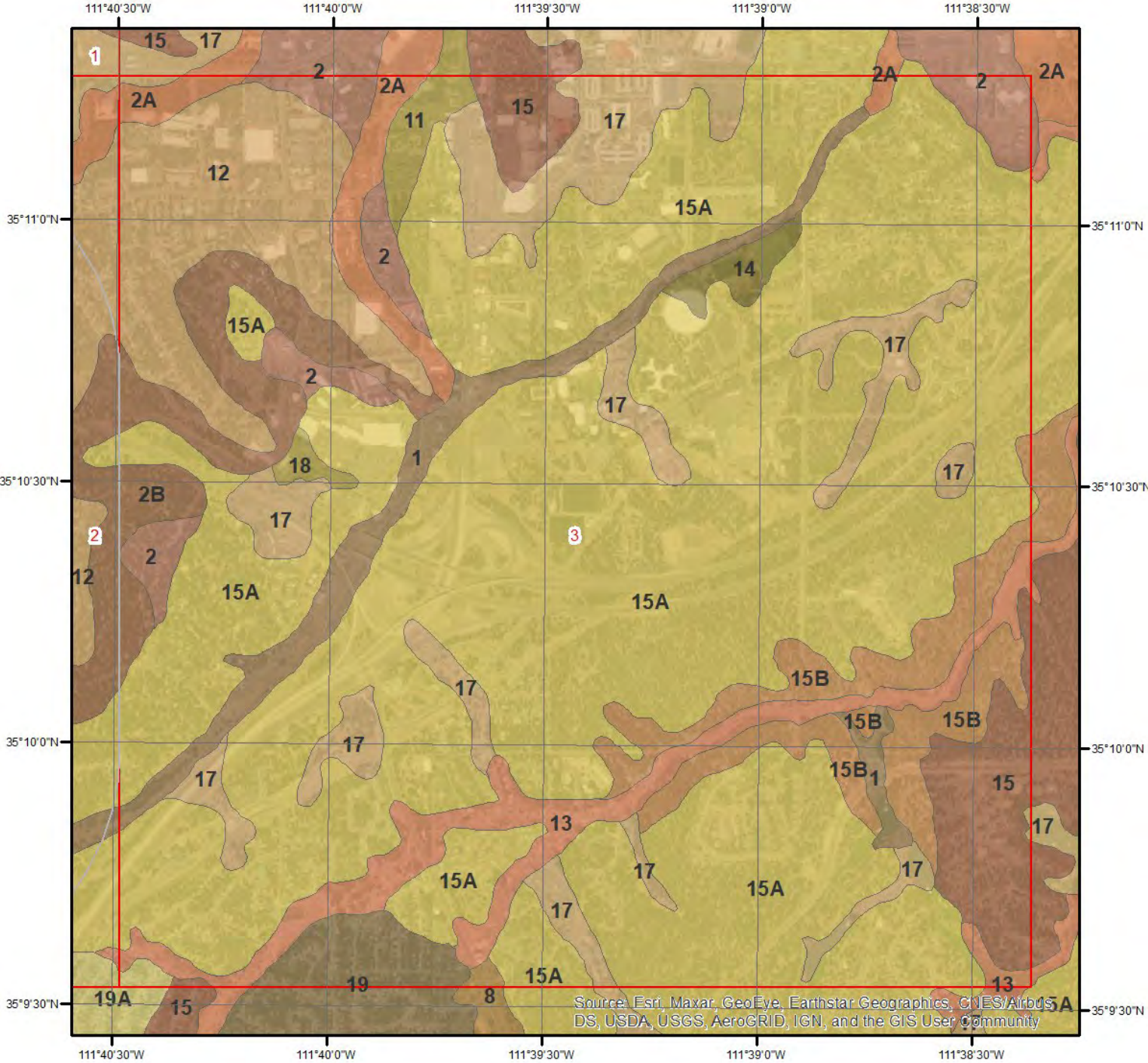


SSURGO Soils - Page 2

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.



Soil Information



SSURGO Soils - Page 3

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.



Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit 1 (0.01%)

Map Unit Name:	Jacques clay loam, 0 to 2 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Jacques(100%)

horizon H1(0cm to 41cm)	Clay loam
horizon H2(41cm to 152cm)	Clay

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 1 - Jacques clay loam, 0 to 2 percent slopes

Component: Jacques (100%)

The Jacques component makes up 100 percent of the map unit. Slopes are 0 to 2 percent. This component is on drainageways, narrow valleys. The parent material consists of mixed alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is high. This soil is frequently flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 6c. This soil does not meet hydric criteria.

Map Unit 12 (0.14%)

Map Unit Name:	Brolliar cobbly clay loam, deep variant, 0 to 5 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Brolliar(100%)

horizon H1(0cm to 8cm)	Cobbly clay loam
horizon H2(8cm to 152cm)	Clay

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 12 - Brolliar cobbly clay loam, deep variant, 0 to 5 percent slopes

Component: Brolliar (100%)

The Brolliar, deep component makes up 100 percent of the map unit. Slopes are 0 to 5 percent. This component is on basalt plateau plains. The parent material consists of residuum weathered from basalt. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 5c. This soil does not meet hydric criteria.

Soil Information

Map Unit 15 (0.0%)

Map Unit Name:	Tortugas cobbly loam, 2 to 15 percent slopes
Bedrock Depth - Min:	36cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Tortugas(100%)	
horizon H1(0cm to 8cm)	Cobbly loam
horizon H2(8cm to 36cm)	Very cobbly loam
horizon R(36cm to 61cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 15 - Tortugas cobbly loam, 2 to 15 percent slopes

Component: Tortugas (100%)

The Tortugas component makes up 100 percent of the map unit. Slopes are 2 to 15 percent. This component is on hills. The parent material consists of alluvium and/or residuum weathered from limestone. Depth to a root restrictive layer, bedrock, lithic, is 6 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 6c. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 45 percent.

Map Unit 15A (0.16%)

Map Unit Name:	Tortugas-Daze complex, 0 to 15 percent slopes
Bedrock Depth - Min:	36cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Tortugas(55%)	
horizon H1(0cm to 8cm)	Cobbly loam
horizon H2(8cm to 36cm)	Very cobbly loam
horizon R(36cm to 61cm)	Bedrock
Daze(45%)	
horizon H1(0cm to 8cm)	Fine sandy loam
horizon H2(8cm to 18cm)	Clay loam
horizon H3(18cm to 46cm)	Clay
horizon R(46cm to 71cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 15A - Tortugas-Daze complex, 0 to 15 percent slopes

Component: Tortugas (55%)

The Tortugas component makes up 55 percent of the map unit. Slopes are 0 to 15 percent. This component is on hills. The parent

Soil Information

material consists of alluvium and/or residuum weathered from limestone. Depth to a root restrictive layer, bedrock, lithic, is 6 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 6c. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 45 percent.

Component: Daze (45%)

The Daze component makes up 45 percent of the map unit. Slopes are 0 to 15 percent. This component is on hills. The parent material consists of residuum weathered from limestone and sandstone. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 6c. This soil does not meet hydric criteria.

Map Unit 19 (0.01%)

Map Unit Name:	Telephone gravelly sandy loam, 0 to 15 percent slopes
Bedrock Depth - Min:	28cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Telephone(100%)	
horizon H1(0cm to 8cm)	Gravelly sandy loam
horizon H2(8cm to 28cm)	Gravelly loamy sand
horizon R(28cm to 53cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 19 - Telephone gravelly sandy loam, 0 to 15 percent slopes

Component: Telephone (100%)

The Telephone component makes up 100 percent of the map unit. Slopes are 0 to 15 percent. This component is on hills. The parent material consists of colluvium and/or residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 8 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 6c. This soil does not meet hydric criteria.

Map Unit 19A (0.13%)

Map Unit Name:	Telephone-Daze complex, 0 to 8 percent slopes
Bedrock Depth - Min:	28cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Telephone(55%)	
horizon H1(0cm to 8cm)	Gravelly sandy loam
horizon H2(8cm to 28cm)	Gravelly loamy sand
horizon R(28cm to 53cm)	Bedrock
Daze(45%)	

Soil Information

horizon H1(0cm to 8cm)	Fine sandy loam
horizon H2(8cm to 18cm)	Clay loam
horizon H3(18cm to 46cm)	Clay
horizon R(46cm to 71cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 19A - Telephone-Daze complex, 0 to 8 percent slopes

Component: Telephone (55%)

The Telephone component makes up 55 percent of the map unit. Slopes are 0 to 8 percent. This component is on hills. The parent material consists of colluvium and/or residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 8 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 6c. This soil does not meet hydric criteria.

Component: Daze (45%)

The Daze component makes up 45 percent of the map unit. Slopes are 0 to 8 percent. This component is on hills, plains. The parent material consists of residuum weathered from limestone and sandstone. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 6c. This soil does not meet hydric criteria.

Map Unit 2 (0.04%)

Map Unit Name:	Brolliar stony clay loam, 0 to 2 percent slopes
Bedrock Depth - Min:	76cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Brolliar(100%)	
horizon H1(0cm to 8cm)	Stony clay loam
horizon H2(8cm to 76cm)	Clay
horizon R(76cm to 101cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 2 - Brolliar stony clay loam, 0 to 2 percent slopes

Component: Brolliar (100%)

The Brolliar component makes up 100 percent of the map unit. Slopes are 0 to 2 percent. This component is on basalt plateau plains. The parent material consists of residuum weathered from basalt. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 5c. This soil does not meet hydric criteria.

Map Unit 2A (0.04%)

Map Unit Name:	Brolliar stony clay loam, 2 to 8 percent slopes
Bedrock Depth - Min:	76cm

Soil Information

Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Brolliar(100%)	
horizon H1(0cm to 8cm)	Stony clay loam
horizon H2(8cm to 76cm)	Clay
horizon R(76cm to 101cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 2A - Brolliar stony clay loam, 2 to 8 percent slopes

Component: Brolliar (100%)

The Brolliar component makes up 100 percent of the map unit. Slopes are 2 to 8 percent. This component is on basalt plateau plains. The parent material consists of residuum weathered from basalt. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 5c. This soil does not meet hydric criteria.

Map Unit 2B (0.04%)

Map Unit Name:	Brolliar stony clay loam, 8 to 30 percent slopes
Bedrock Depth - Min:	76cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Brolliar(100%)	
horizon H1(0cm to 8cm)	Stony clay loam
horizon H2(8cm to 76cm)	Clay
horizon R(76cm to 101cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 2B - Brolliar stony clay loam, 8 to 30 percent slopes

Component: Brolliar (100%)

The Brolliar component makes up 100 percent of the map unit. Slopes are 8 to 30 percent. This component is on basalt hills. The parent material consists of residuum weathered from basalt. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 5c. This soil does not meet hydric criteria.

Map Unit 8 (0.0%)

Map Unit Name:	Paymaster family fine sandy loam, 0 to 3 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null

Soil Information

Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Paymaster(100%)	
horizon H1(0cm to 36cm)	Fine sandy loam
horizon H2(36cm to 152cm)	Loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 8 - Paymaster family fine sandy loam, 0 to 3 percent slopes

Component: Paymaster (100%)

The Paymaster component makes up 100 percent of the map unit. Slopes are 0 to 3 percent. This component is on flood plains, alluvial fans. The parent material consists of mixed alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is rarely flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 6c. This soil does not meet hydric criteria.

Map Unit BP (0.0%)

Map Unit Name:	Pits-Dumps complex
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No more attributes available for this map unit

Component Description:

Minor map unit components are excluded from this report.

Map Unit: BP - Pits-Dumps complex

Component: Pits (55%)

Generated brief soil descriptions are created for major soil components. The Pits is a miscellaneous area.

Component: Dumps (45%)

Generated brief soil descriptions are created for major soil components. The Dumps is a miscellaneous area.

Map Unit NOTCOM (99.42%)

Map Unit Name:	No Digital Data Available
----------------	---------------------------

No more attributes available for this map unit

Component Description:

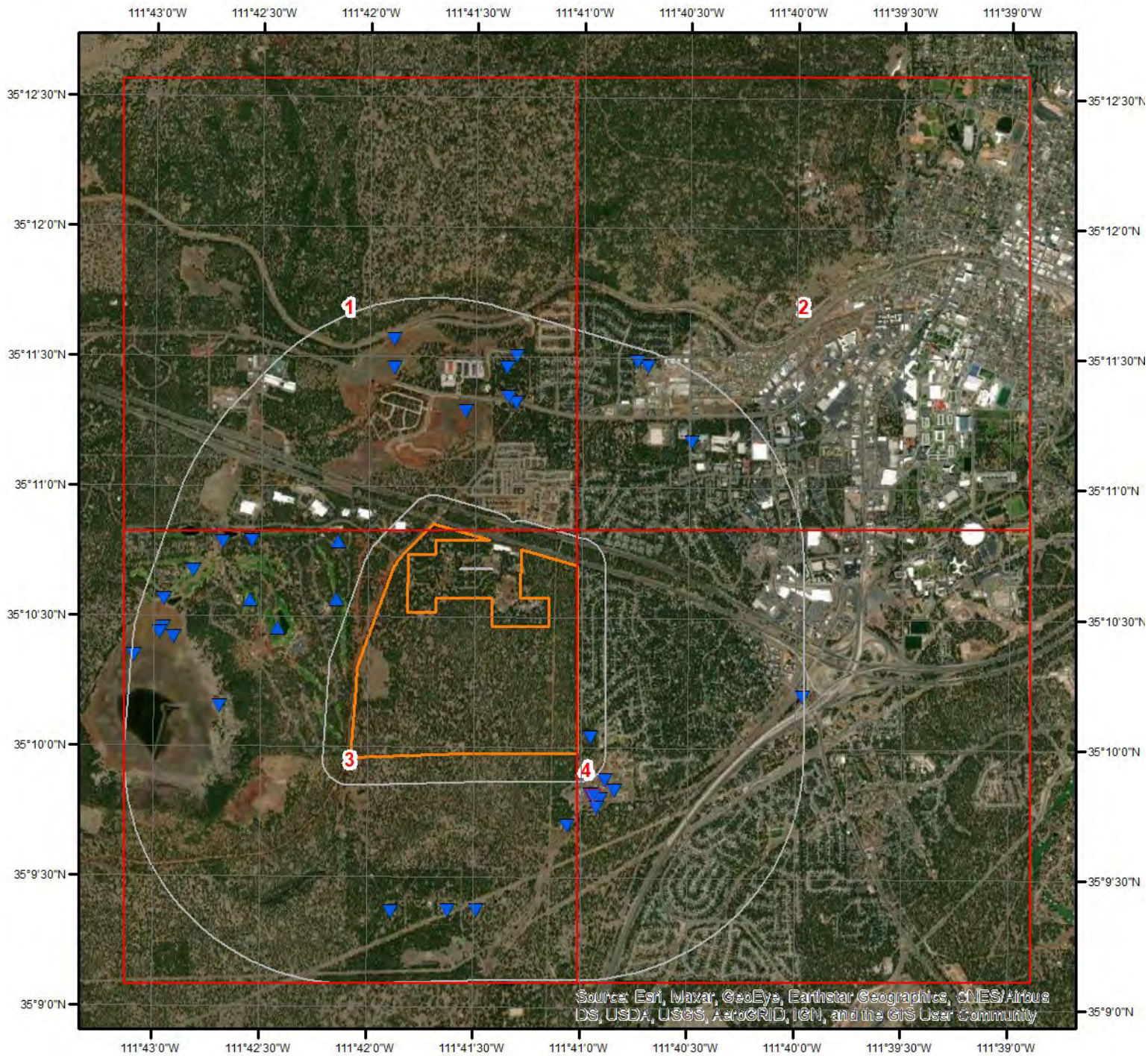
Minor map unit components are excluded from this report.

Map Unit: NOTCOM - No Digital Data Available

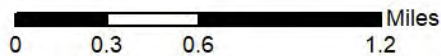
Component: NOTCOM (100%)

The NOTCOM component makes up 100 percent of the map unit. Slopes are Depth to a root restrictive layer is greater than 60 inches. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches.

Wells and Additional Sources



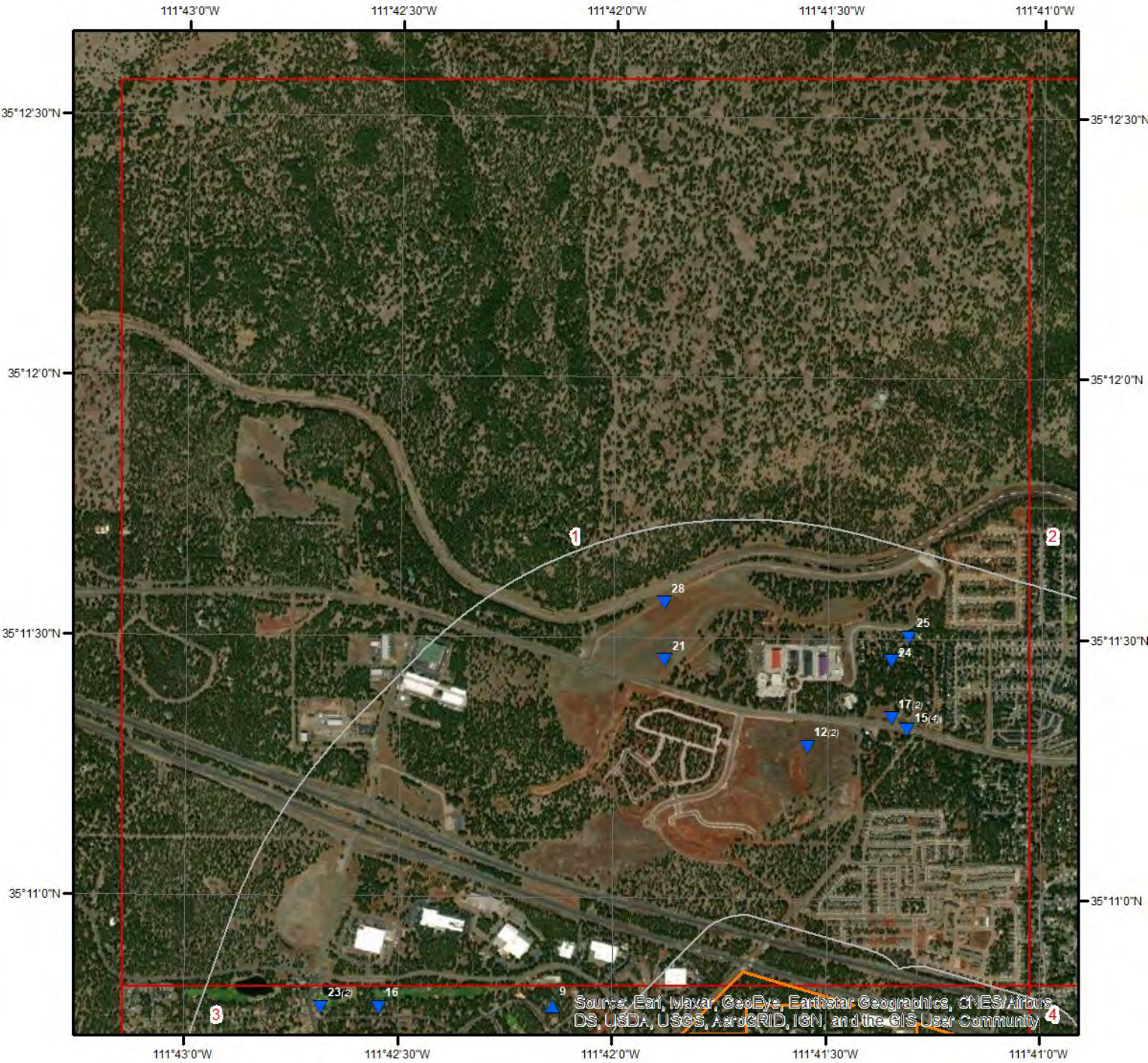
Wells & Additional Sources



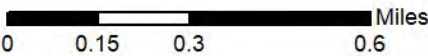
- | | |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation | ▲ OGW Sites with Higher Elevation |
| ■ Sites with Same Elevation | ■ OGW Sites with Same Elevation |
| ▼ Sites with Lower Elevation | ▼ OGW Sites with Lower Elevation |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |



Wells and Additional Sources



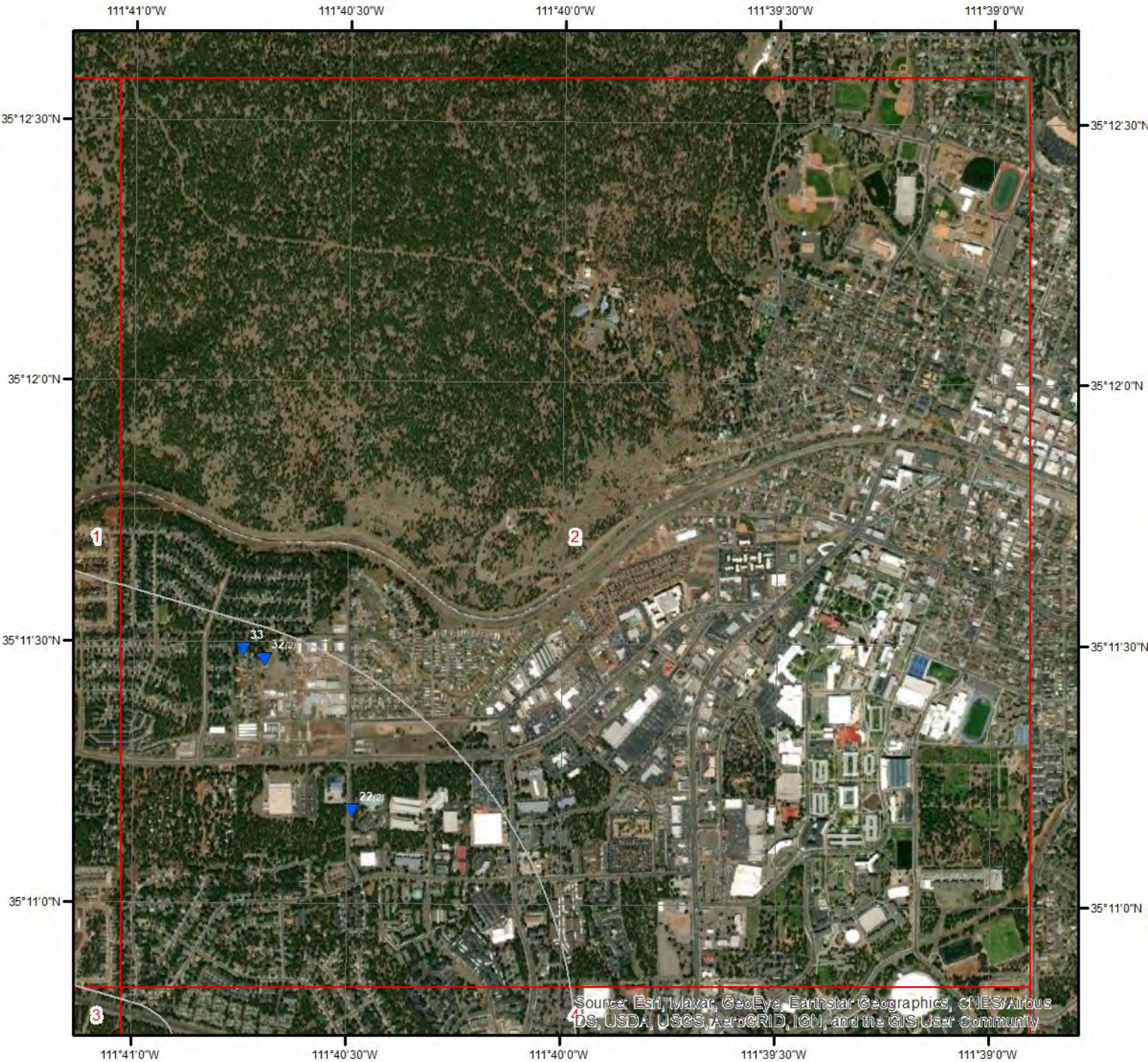
Wells & Additional Sources - Page 1



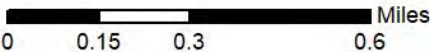
- | | |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation | ▲ OGW Sites with Higher Elevation |
| ■ Sites with Same Elevation | ■ OGW Sites with Same Elevation |
| ▼ Sites with Lower Elevation | ▼ OGW Sites with Lower Elevation |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |



Wells and Additional Sources



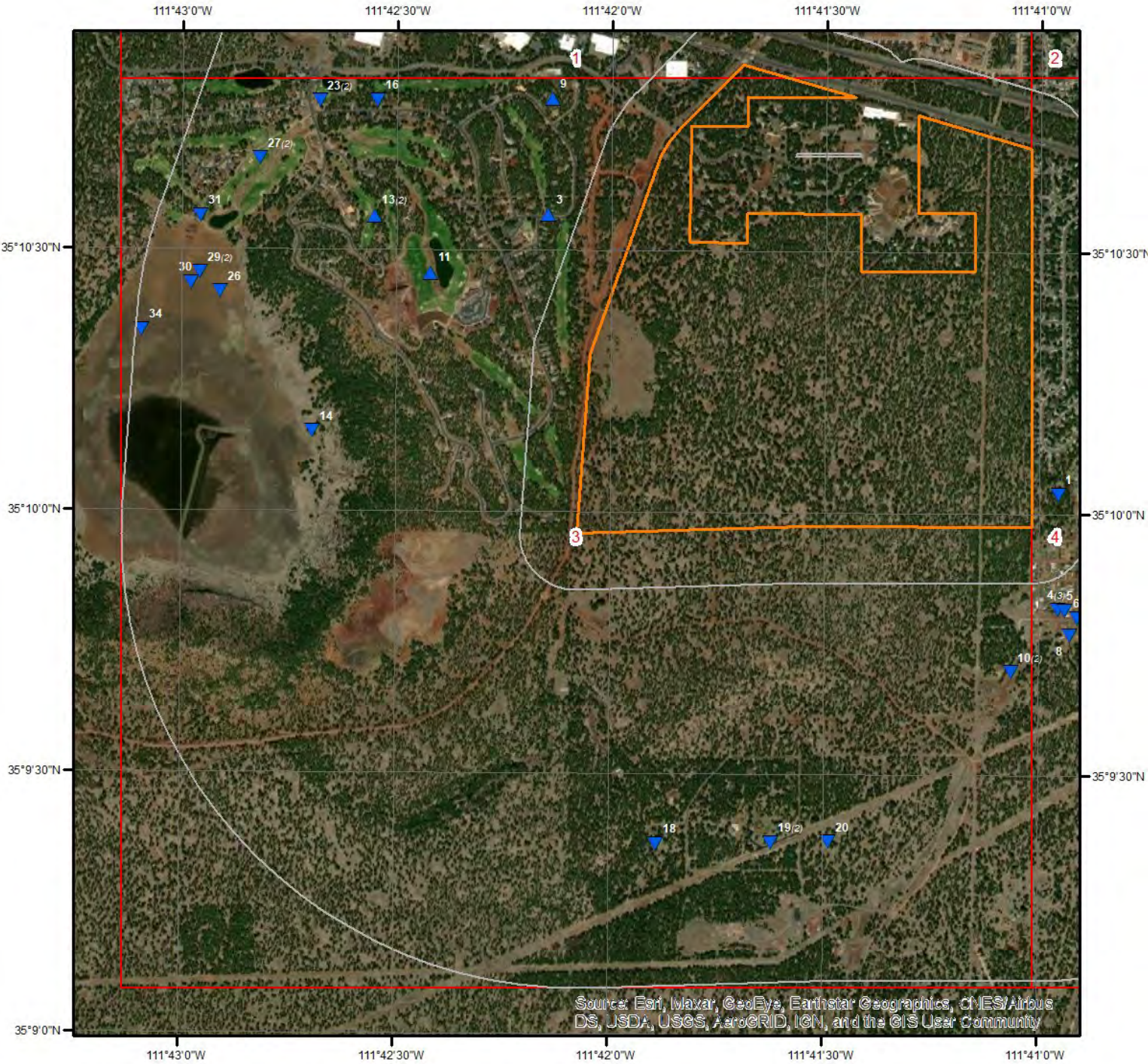
Wells & Additional Sources - Page 2



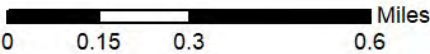
- | | |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation | ▲ OGW Sites with Higher Elevation |
| ■ Sites with Same Elevation | ■ OGW Sites with Same Elevation |
| ▼ Sites with Lower Elevation | ▼ OGW Sites with Lower Elevation |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |



Wells and Additional Sources



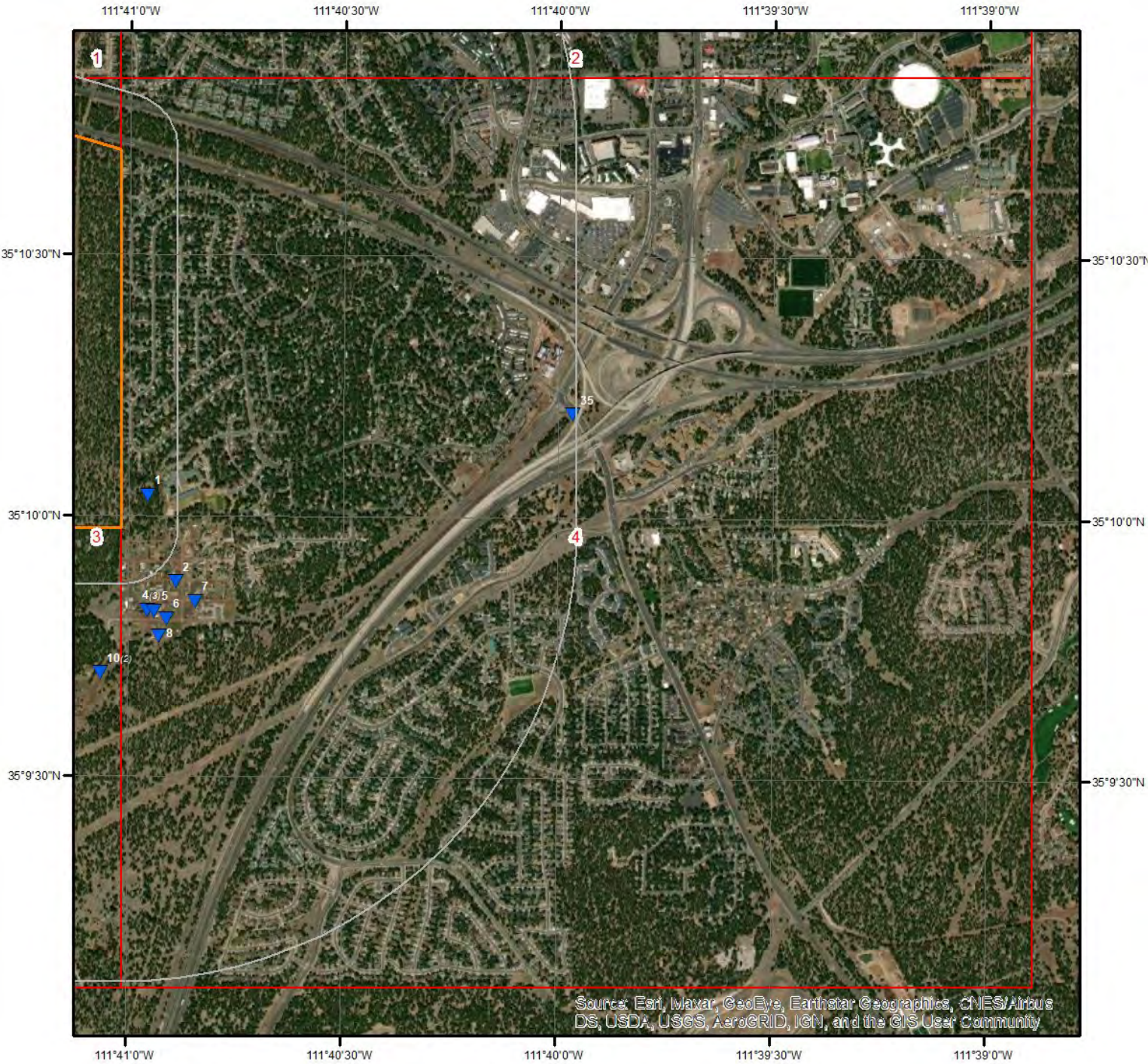
Wells & Additional Sources - Page 3



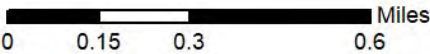
- | | |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation | ▲ OGW Sites with Higher Elevation |
| ■ Sites with Same Elevation | ■ OGW Sites with Same Elevation |
| ▼ Sites with Lower Elevation | ▼ OGW Sites with Lower Elevation |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |



Wells and Additional Sources



Wells & Additional Sources - Page 4



- | | |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation | ▲ OGW Sites with Higher Elevation |
| ■ Sites with Same Elevation | ■ OGW Sites with Same Elevation |
| ▼ Sites with Lower Elevation | ▼ OGW Sites with Lower Elevation |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |



Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	PWS ID	Distance (ft)	Direction
10	AZ0403015	1698.75	SSE
15	AZ0403076	3236.96	N
15	AZ0403352	3236.96	N
22	AZ0403573	3922.67	NE
35	AZ0403067	5238.52	E

Safe Drinking Water Information System (SDWIS)

Map Key	PWS ID	Distance (ft)	Direction
10	AZ0403015	1698.75	SSE
15	AZ0403076	3236.96	N
15	AZ0403352	3236.96	N
22	AZ0403573	3922.67	NE

USGS National Water Information System

Map Key	Monitoring Loc Identifier	Distance (ft)	Direction
6	USGS-350948111405201	1192.07	SE
7	USGS-09400650	1222.05	SE
8	USGS-350946111405301	1346.09	SE
14	USGS-351009111423901	3144.31	W
25	USGS-351130111411601	4271.42	N
26	USGS-351025111425201	4351.41	W
30	USGS-351026111425601	4695.49	W
33	USGS-351129111404201	4956.03	NNE

State Sources

Drywell Database

Map Key	ID	Distance (ft)	Direction
No records found			

Historical Drywells

Map Key	ID	Distance (ft)	Direction
No records found			

Oil and Gas Wells

Map Key	Permit	Distance (ft)	Direction
5		1052.31	SE

Wells and Additional Sources Summary

Wells 55 Registry

Map Key	Registry ID	Distance (ft)	Direction
1	507972	312.80	ESE
2	802024	901.24	SE
3	581961	993.21	WNW
4	802025	1014.05	SE
4	632525	1014.05	SE
4	632526	1014.05	SE
9	581960	1412.24	NW
11	581962	2056.34	WNW
12	573819	2720.10	N
12	202090	2720.10	N
13	588382	2891.75	WNW
13	581958	2891.75	WNW
16	581959	3301.27	WNW
17	230900	3311.57	N
17	233317	3311.57	N
18	599383	3634.21	SSW
19	579922	3664.23	S
19	570155	3664.23	S
20	923435	3673.48	S
21	207920	3732.27	NNW
23	581964	3936.37	WNW
23	588379	3936.37	WNW
24	630285	3956.00	N
27	581965	4363.00	WNW
27	588380	4363.00	WNW
28	908260	4385.59	NNW
29	511071	4623.18	W
29	509021	4623.18	W
31	509020	4788.12	WNW
32	600289	4917.59	NNE
32	806159	4917.59	NNE
34	504916	5209.48	W

Wells and Additional Sources Detail Report

Public Water Systems Violations and Enforcement Data

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	SSE	0.32	1,698.75	6,934.72	PWSV

Address Line 2: 1500 W PALMER AVE
State Code: AZ
Zip Code: 86001
City Name: FLAGSTAFF
Address Line 1:
PWS ID: AZ0403015
PWS Type Code: CWS
PWS Type Description: Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: A
PWS Activity Description: Active
PWS Deactivation Date:
Phone Number: 928-774-9550

--Details--

Population Served Count: 215
City Served: FLAGSTAFF
County Served: Coconino
State Served: AZ
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	N	0.61	3,236.96	7,063.92	PWSV

Address Line 2: 2727 W RT 66
State Code: AZ
Zip Code: 86001
City Name: FLAGSTAFF
Address Line 1:
PWS ID: AZ0403076
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: SWP
Primary Source Desc: Purchased Surface Water
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/05/2003
Phone Number:

Wells and Additional Sources Detail Report

--Details--

Population Served Count: 300
City Served: FLAGSTAFF
County Served:
State Served: AZ
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	N	0.61	3,236.96	7,063.92	PWSV

Address Line 2: 2727 W RT 66
State Code: AZ
Zip Code: 86001
City Name: FLAGSTAFF
Address Line 1:
PWS ID: AZ0403352
PWS Type Code: NTNCWS
PWS Type Description: Non-Transient Non-Community Water System
Primary Source Code: SWP
Primary Source Desc: Purchased Surface Water
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/05/2003
Phone Number:

--Details--

Population Served Count: 27
City Served: FLAGSTAFF
County Served:
State Served: AZ
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	NE	0.74	3,922.67	6,979.20	PWSV

Address Line 2: 1824 S THOMPSON ST
State Code: AZ
Zip Code: 86001-2529
City Name: FLAGSTAFF
Address Line 1:
PWS ID: AZ0403573
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: A

Wells and Additional Sources Detail Report

PWS Activity Description: Active
PWS Deactivation Date:
Phone Number: 928-527-3600

--Details--

Population Served Count: 97
City Served: FLAGSTAFF
County Served: Coconino
State Served: AZ
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
35	E	0.99	5,238.52	6,903.73	PWSV

Address Line 2: 480 LAKE MARY RD LOT 82
State Code: AZ
Zip Code: 86005
City Name: FLAGSTAFF
Address Line 1:
PWS ID: AZ0403067
PWS Type Code: CWS
PWS Type Description: Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: A
PWS Activity Description: Active
PWS Deactivation Date:
Phone Number: 928-774-1742

--Details--

Population Served Count: 130
City Served: FLAGSTAFF
County Served: Coconino
State Served: AZ
Zip Code Served:

Safe Drinking Water Information System (SDWIS)

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	SSE	0.32	1,698.75	6,934.72	SDWIS

PWS ID: AZ0403015
PWS Type: Community water system
No of Facilities: 6
No of Violations: 78
No of Site Visits: 16
Cities Served: FLAGSTAFF

Wells and Additional Sources Detail Report

Counties Served: Coconino
Population Served Count: 215
Primacy Agency: Arizona
EPA Region: Region 9

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	N	0.61	3,236.96	7,063.92	SDWIS

PWS ID: AZ0403076
PWS Type: Transient non-community system
No of Facilities: 2
No of Violations: 0
No of Site Visits: 5
Cities Served: FLAGSTAFF
Counties Served: Coconino
Population Served Count: 300
Primacy Agency: Arizona
EPA Region: Region 9

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	N	0.61	3,236.96	7,063.92	SDWIS

PWS ID: AZ0403352
PWS Type: Non-Transient non-community system
No of Facilities: 2
No of Violations: 1
No of Site Visits: 7
Cities Served: FLAGSTAFF
Counties Served: Coconino
Population Served Count: 27
Primacy Agency: Arizona
EPA Region: Region 9

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	NE	0.74	3,922.67	6,979.20	SDWIS

PWS ID: AZ0403573
PWS Type: Transient non-community system
No of Facilities: 5
No of Violations: 40
No of Site Visits: 14
Cities Served: FLAGSTAFF
Counties Served: Coconino
Population Served Count: 97
Primacy Agency: Arizona

Wells and Additional Sources Detail Report

EPA Region: Region 9

USGS National Water Information System

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	SE	0.23	1,192.07	6,903.06	FED USGS

Organiz Identifier:	USGS-AZ	Formation Type:	Supai Formation
Organiz Name:	USGS Arizona Water Science Center	Aquifer Name:	
Well Depth:	1350	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	1350	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	COCONINO
Construction Date:	19750522	Latitude:	35.1633454
Source Map Scale:	24000	Longitude:	-111.681828
Monitoring Loc Name:	A-21-07 32BBC2		
Monitoring Loc Identifier:	USGS-350948111405201		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	15020015		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	5		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	6900.		
Vertical Measure Unit:	feet		
Vertical Accuracy:	10		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	SE	0.23	1,222.05	6,899.70	FED USGS

Organiz Identifier:	USGS-AZ	Formation Type:	
Organiz Name:	USGS Arizona Water Science Center	Aquifer Name:	
Well Depth:		Aquifer Type:	
Well Depth Unit:		Country Code:	US
Well Hole Depth:		Provider Name:	NWIS
W Hole Depth Unit:		County:	COCONINO

Wells and Additional Sources Detail Report

Construction Date:	Latitude:	35.163901
Source Map Scale:	Longitude:	-111.6807169
Monitoring Loc Name:	SINCLAIR WASH AT FLAGSTAFF, ARIZ.	
Monitoring Loc Identifier:	USGS-09400650	
Monitoring Loc Type:	Stream	
Monitoring Loc Desc:		
HUC Eight Digit Code:	15020015	
Drainage Area:	8.11	
Drainage Area Unit:	sq mi	
Contrib Drainage Area:	8.11	
Contrib Drainage Area Unit:	sq mi	
Horizontal Accuracy:	10	
Horizontal Accuracy Unit:	seconds	
Horizontal Collection Mthd:	Interpolated from MAP.	
Horiz Coord Refer System:	NAD83	
Vertical Measure:	6900.	
Vertical Measure Unit:	feet	
Vertical Accuracy:	20	
Vertical Accuracy Unit:	feet	
Vertical Collection Mthd:	Interpolated from topographic map.	
Vert Coord Refer System:	NGVD29	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	SE	0.25	1,346.09	6,910.98	FED USGS

Organiz Identifier:	USGS-AZ	Formation Type:	Supai Formation
Organiz Name:	USGS Arizona Water Science Center	Aquifer Name:	
Well Depth:	1200	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	1200	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	COCONINO
Construction Date:	195609	Latitude:	35.1627899
Source Map Scale:	24000	Longitude:	-111.6821058
Monitoring Loc Name:	A-21-07 32BBC1		
Monitoring Loc Identifier:	USGS-350946111405301		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	15020015		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	5		
Horizontal Accuracy Unit:	seconds		

Wells and Additional Sources Detail Report

Horizontal Collection Mthd: Interpolated from MAP.
 Horiz Coord Refer System: NAD83
 Vertical Measure: 6910.
 Vertical Measure Unit: feet
 Vertical Accuracy: 10
 Vertical Accuracy Unit: feet
 Vertical Collection Mthd: Interpolated from topographic map.
 Vert Coord Refer System: NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	W	0.60	3,144.31	7,064.58	FED USGS

Organiz Identifier:	USGS-AZ	Formation Type:	
Organiz Name:	USGS Arizona Water Science Center	Aquifer Name:	
Well Depth:	170	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	170	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	COCONINO
Construction Date:	19651001	Latitude:	35.1691781
Source Map Scale:	24000	Longitude:	-111.7115512
Monitoring Loc Name:	A-21-06 25CDA		
Monitoring Loc Identifier:	USGS-351009111423901		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	15020015		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	1		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	7060.		
Vertical Measure Unit:	feet		
Vertical Accuracy:	10		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
25	N	0.81	4,271.42	7,071.76	FED USGS

Wells and Additional Sources Detail Report

Organiz Identifier:	USGS-AZ	Formation Type:	Supai Formation
Organiz Name:	USGS Arizona Water Science Center	Aquifer Name:	
Well Depth:	1551	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	1551	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	COCONINO
Construction Date:	19770114	Latitude:	35.1916779
Source Map Scale:	24000	Longitude:	-111.6884955
Monitoring Loc Name:	A-21-07 19ACA		
Monitoring Loc Identifier:	USGS-351130111411601		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	15020015		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	5		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	7070.		
Vertical Measure Unit:	feet		
Vertical Accuracy:	10		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
26	W	0.82	4,351.41	7,058.30	FED USGS

Organiz Identifier:	USGS-AZ	Formation Type:	Supai Formation
Organiz Name:	USGS Arizona Water Science Center	Aquifer Name:	
Well Depth:	1800	Aquifer Type:	Unconfined single aquifer
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	1800	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	COCONINO
Construction Date:	19851020	Latitude:	35.1736224
Source Map Scale:	24000	Longitude:	-111.7151625
Monitoring Loc Name:	A-21-06 25BCD		
Monitoring Loc Identifier:	USGS-351025111425201		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	15020015		

Wells and Additional Sources Detail Report

Drainage Area:
 Drainage Area Unit:
 Contrib Drainage Area:
 Contrib Drainage Area Unit:
 Horizontal Accuracy: 5
 Horizontal Accuracy Unit: seconds
 Horizontal Collection Mthd: Interpolated from MAP.
 Horiz Coord Refer System: NAD83
 Vertical Measure: 7050.
 Vertical Measure Unit: feet
 Vertical Accuracy: 10
 Vertical Accuracy Unit: feet
 Vertical Collection Mthd: Interpolated from topographic map.
 Vert Coord Refer System: NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
30	W	0.89	4,695.49	7,056.10	FED USGS

Organiz Identifier:	USGS-AZ	Formation Type:	Supai Formation, Upper
Organiz Name:	USGS Arizona Water Science Center	Aquifer Name:	
Well Depth:	1610	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	1610	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	COCONINO
Construction Date:	19841101	Latitude:	35.1739001
Source Map Scale:	24000	Longitude:	-111.7162736
Monitoring Loc Name:	A-21-06 25BCD2		
Monitoring Loc Identifier:	USGS-351026111425601		
Monitoring Loc Type:	Well: Test hole not completed as a well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	15020015		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	5		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	7050.		
Vertical Measure Unit:	feet		
Vertical Accuracy:	10		
Vertical Accuracy Unit:	feet		

Wells and Additional Sources Detail Report

Vertical Collection Mthd: Interpolated from topographic map.
Vert Coord Refer System: NGVD29

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
33	NNE	0.94	4,956.03	6,980.43	FED USGS

Organiz Identifier:	USGS-AZ	Formation Type:	Supai Formation
Organiz Name:	USGS Arizona Water Science Center	Aquifer Name:	
Well Depth:	1620	Aquifer Type:	
Well Depth Unit:	ft	Country Code:	US
Well Hole Depth:	1620	Provider Name:	NWIS
W Hole Depth Unit:	ft	County:	COCONINO
Construction Date:	19570615	Latitude:	35.1914002
Source Map Scale:	24000	Longitude:	-111.6790508
Monitoring Loc Name:	A-21-07 20BDB		
Monitoring Loc Identifier:	USGS-351129111404201		
Monitoring Loc Type:	Well		
Monitoring Loc Desc:			
HUC Eight Digit Code:	15020015		
Drainage Area:			
Drainage Area Unit:			
Contrib Drainage Area:			
Contrib Drainage Area Unit:			
Horizontal Accuracy:	5		
Horizontal Accuracy Unit:	seconds		
Horizontal Collection Mthd:	Interpolated from MAP.		
Horiz Coord Refer System:	NAD83		
Vertical Measure:	6970.		
Vertical Measure Unit:	feet		
Vertical Accuracy:	10		
Vertical Accuracy Unit:	feet		
Vertical Collection Mthd:	Interpolated from topographic map.		
Vert Coord Refer System:	NGVD29		

Oil and Gas Wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	SE	0.20	1,052.31	6,909.67	OGW

API No:		Elevation:	
Lease No:		Elev Description:	
Well Name:	ADWRWells35:7685	Elevation K:	
Lease Name:		Elevation D:	
Permit:		Elevation G:	
Status:	unknown	Casing Logg:	

Wells and Additional Sources Detail Report

Status Description:		Casing Bott:	
Status Date:		Casing Top D:	
Compl Date:		Casing Pipe:	
Release Date:		Casing Weig:	
Spud Date:		Casing We 1:	
Ended Drill:	-441849600000	Casing Thic:	
Borehole Na:	A-21007032BBC	Driller:	
Mineral Own:	P	Section:	32
Sample:		TWP:	21N
Core:		RGE:	07E
Total Depth:		Location:	
FM at TD:		Area:	
Field:		County:	Coconino
Field Description:		State:	AZ
Drilling Me:		Latitude:	35.16359599
Driller Tot:	1200	Longitude:	-111.682289
Commodity O:	water	Latitude M:	
Function :		Longitude M:	
Production:		X Coordinate:	437902
Producingi:		Y Coordinate:	3891202
Depth Refer:		Other Locat:	
Length Unit:		PLSS Meridians:	Gila and Salt River
Wellbore Sh:		Section Par:	BBC
True Vertic:		Parcel:	
Formationt:		UTM Datum Zone:	
Bit Diameter:		SRS:	EPSG:4326
Bit Diame 1:		Location 1:	
Diameter Un:		Location 2:	
Operator:			
Global ID:			
Well Type:	WS		
Other ID:	35-7685		
Other Name:			
Footage:			
Header URI:	http://resources.usgin.org/uri-gin/azgs/well/ADWRWells35:7685/		
Label:	ADWR Well Header 7685		
Parent Well:			
Location Un:	Cadastral converted using topo map on ArcMap 10; LL estimated centroid of BBC.		
Related Res:			
Notes:	Completion date was entered into end drilling date field. Well 35 ID was used as well name.		
Information:	Arizona Dept of Water Resources **Note: Many records provided by the department have a truncated INFORMATIONSOURCE field.		
Well Folder:			
Well Fold 1:			
X:	-111.68228899999997		
Y:	35.16359599900005		

Wells 55 Registry

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	ESE	0.06	312.80	7,005.73	WELLS
<div> <div> Registry ID: 507972 Rgr Pump D: NO Well Type: EXEMPT Well Type 2: EXEMPT DLIC No: Approved: Installed: 30-Jun-1984 Well Depth: 325 Water Level: 0.0 Casing Depth: 75 Casing Diameter: 8.0 Casing Type: STEEL - PERFORATED OR SLOTTED CASING Pump Type: TURBINE Pump Power: ELECTRIC MOTOR < 1 HP Pump Rate: 1 Tested Rate: 12 Draw Down: 300 Completion: X Drill Log: X Well Cance: Cadastral: A21007029CCC County: Watershed: Basin Name: Sub Basin Name: AMA Description: Quad Code: </div> <div> Whole Town: Half Towns: North South: Whole Range: Half Range: East West: Section: Quarter 16: Q Acre 160 Dir: Quarter 40: Q Acre 40 Dir: Quarter 10: Q Acre 10 Dir: UTM X Meter: 437841.2 UTM Y Meter: 3891808.0 Application: 09-May-1984 Address 1: BOX 906 Address 2: City: FLAGSTAFF State: AZ ZIP: 86002 ZIP 4: Latitude: 35.1672863665073 Longitude: -111.68256657509 Program: Owner Name: FRIED,R </div> </div>					

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	SE	0.17	901.24	6,904.96	WELLS
<div> <div> Registry ID: 802024 Rgr Pump D: YES Well Type: EXEMPT Well Type 2: EXEMPT DLIC No: Approved: Installed: 01-May-1975 Well Depth: 1350 Water Level: 980.0 Casing Depth: 300 Casing Diameter: 8.0 </div> <div> Whole Town: Half Towns: North South: Whole Range: Half Range: East West: Section: Quarter 16: Q Acre 160 Dir: Quarter 40: Q Acre 40 Dir: </div> </div>					

Wells and Additional Sources Detail Report

Casing Type:	STEEL - PERFORATED OR SLOTTED CASING	Quarter 10:	
Pump Type:	NO PUMP CODE LISTED	Q Acre 10 Dir:	
Pump Power:	NO POWER CODE LISTED	UTM X Meter:	437939.4
Pump Rate:	35	UTM Y Meter:	3891502.0
Tested Rate:	35	Application:	25-Feb-1985
Draw Down:	0	Address 1:	1341 W PALMER AVE
Completion:		Address 2:	
Drill Log:		City:	FLAGSTAFF
Well Cance:		State:	AZ
Cadastral:	A21007032BB0	ZIP:	86001
County:		ZIP 4:	
Watershed:		Latitude:	35.1645333715902
Basin Name:		Longitude:	-111.681465289962
Sub Basin Name:		Program:	
AMA Description:		Owner Name:	MOUNTAIN DELL WATER,
Quad Code:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	WNW	0.19	993.21	7,154.70	WELLS

Registry ID:	581961	Whole Town:	
Rgr Pump D:	NO	Half Towns:	
Well Type:	NON-EXEMPT	North South:	
Well Type 2:	NON-EXEMPT	Whole Range:	
DLIC No:		Half Range:	
Approved:	28-Jun-2000	East West:	
Installed:		Section:	
Well Depth:	2035	Quarter 16:	
Water Level:	1194.0	Q Acre 160 Dir:	
Casing Depth:	2040	Quarter 40:	
Casing Diameter:	8.0	Q Acre 40 Dir:	
Casing Type:	OTHER - BLACK STEEL - IRON - SEAMLESS	Quarter 10:	
Pump Type:		Q Acre 10 Dir:	
Pump Power:		UTM X Meter:	436039.7
Pump Rate:	0	UTM Y Meter:	3892802.0
Tested Rate:	0	Application:	23-Jun-2000
Draw Down:	0	Address 1:	2304 N 4TH ST STE #B
Completion:		Address 2:	
Drill Log:	X	City:	FLAGSTAFF
Well Cance:	Yes	State:	AZ
Cadastral:	A21006025ADA	ZIP:	86004
County:		ZIP 4:	
Watershed:		Latitude:	35.1761357001646
Basin Name:		Longitude:	-111.702424645602
Sub Basin Name:		Program:	
AMA Description:		Owner Name:	FLAGSTAFF RANCH GOLF CLUB

Wells and Additional Sources Detail Report

Quad Code:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	SE	0.19	1,014.05	6,920.75	WELLS

Registry ID:	802025	Whole Town:	
Rgr Pump D:	YES	Half Towns:	
Well Type:	EXEMPT	North South:	
Well Type 2:	EXEMPT	Whole Range:	
DLIC No:		Half Range:	
Approved:	07-Aug-2012	East West:	
Installed:	21-Nov-2012	Section:	
Well Depth:	1237	Quarter 16:	
Water Level:	1012.0	Q Acre 160 Dir:	
Casing Depth:	200	Quarter 40:	
Casing Diameter:	8.0	Q Acre 40 Dir:	
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING	Quarter 10:	
Pump Type:	NO PUMP CODE LISTED	Q Acre 10 Dir:	
Pump Power:	NO POWER CODE LISTED	UTM X Meter:	437838.5
Pump Rate:	35	UTM Y Meter:	3891402.0
Tested Rate:	35	Application:	25-Feb-1985
Draw Down:	0	Address 1:	1341 W. PALMER AVE.
Completion:		Address 2:	
Drill Log:	X	City:	FLAGSTAFF
Well Cance:		State:	AZ
Cadastral:	A21007032BBC	ZIP:	86001
County:		ZIP 4:	
Watershed:		Latitude:	35.1636254787922
Basin Name:		Longitude:	-111.682565633294
Sub Basin Name:		Program:	
AMA Description:		Owner Name:	MOUNTAIN DELL WATER, INC.
Quad Code:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	SE	0.19	1,014.05	6,920.75	WELLS

Registry ID:	632525	Whole Town:	
Rgr Pump D:	NO	Half Towns:	
Well Type:	EXEMPT	North South:	
Well Type 2:	EXEMPT	Whole Range:	
DLIC No:		Half Range:	
Approved:		East West:	
Installed:	01-Jan-1975	Section:	
Well Depth:	1130	Quarter 16:	
Water Level:	975.0	Q Acre 160 Dir:	

Wells and Additional Sources Detail Report

Casing Depth:	150	Quarter 40:	
Casing Diameter:	10.0	Q Acre 40 Dir:	
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING	Quarter 10:	
Pump Type:	NO PUMP CODE LISTED	Q Acre 10 Dir:	
Pump Power:	NO POWER CODE LISTED	UTM X Meter:	437838.5
Pump Rate:	35	UTM Y Meter:	3891402.0
Tested Rate:	35	Application:	03-May-1982
Draw Down:	0	Address 1:	PO BOX 1764
Completion:		Address 2:	
Drill Log:		City:	FLAGSTAFF
Well Cance:		State:	AZ
Cadastral:	A21007032BBC	ZIP:	86002
County:		ZIP 4:	
Watershed:		Latitude:	35.1636254787922
Basin Name:		Longitude:	-111.682565633294
Sub Basin Name:		Program:	
AMA Description:		Owner Name:	PALMER,E G
Quad Code:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	SE	0.19	1,014.05	6,920.75	WELLS

Registry ID:	632526	Whole Town:	
Rgr Pump D:	NO	Half Towns:	
Well Type:	EXEMPT	North South:	
Well Type 2:	EXEMPT	Whole Range:	
DLIC No:		Half Range:	
Approved:	17-Apr-1975	East West:	
Installed:	01-May-1975	Section:	
Well Depth:	1350	Quarter 16:	
Water Level:	975.0	Q Acre 160 Dir:	
Casing Depth:	100	Quarter 40:	
Casing Diameter:	8.0	Q Acre 40 Dir:	
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING	Quarter 10:	
Pump Type:	NO PUMP CODE LISTED	Q Acre 10 Dir:	
Pump Power:	NO POWER CODE LISTED	UTM X Meter:	437838.5
Pump Rate:	35	UTM Y Meter:	3891402.0
Tested Rate:	37	Application:	03-May-1982
Draw Down:	0	Address 1:	PO BOX 1764
Completion:		Address 2:	
Drill Log:	X	City:	FLAGSTAFF
Well Cance:		State:	AZ
Cadastral:	A21007032BBC	ZIP:	86002
County:		ZIP 4:	
Watershed:		Latitude:	35.1636254787922
Basin Name:		Longitude:	-111.682565633294

Wells and Additional Sources Detail Report

Sub Basin Name:
AMA Description:
Quad Code:

Program:
Owner Name: PALMER,E G

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	NW	0.27	1,412.24	7,204.85	WELLS

Registry ID:	581960	Whole Town:	
Rgr Pump D:	NO	Half Towns:	
Well Type:	NON-EXEMPT	North South:	
Well Type 2:	NON-EXEMPT	Whole Range:	
DLIC No:		Half Range:	
Approved:	28-Jun-2000	East West:	
Installed:	15-Jan-2001	Section:	
Well Depth:	1920	Quarter 16:	
Water Level:	1324.0	Q Acre 160 Dir:	
Casing Depth:	1760	Quarter 40:	
Casing Diameter:	8.0	Q Acre 40 Dir:	
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING	Quarter 10:	
Pump Type:		Q Acre 10 Dir:	
Pump Power:		UTM X Meter:	436055.1
Pump Rate:	0	UTM Y Meter:	3893212.0
Tested Rate:	0	Application:	23-Jun-2000
Draw Down:	0	Address 1:	PO BOX 10775
Completion:		Address 2:	
Drill Log:	X	City:	PHOENIX
Well Cance:	No	State:	AZ
Cadastral:	A21006025AAA	ZIP:	85064
County:		ZIP 4:	
Watershed:		Latitude:	35.179833444591
Basin Name:		Longitude:	-111.702287326878
Sub Basin Name:		Program:	
AMA Description:		Owner Name:	FLAGSTAFF RANCH WATER COMPANY
Quad Code:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	WNW	0.39	2,056.34	7,198.15	WELLS

Registry ID:	581962	Whole Town:	
Rgr Pump D:	NO	Half Towns:	
Well Type:	NON-EXEMPT	North South:	
Well Type 2:	NON-EXEMPT	Whole Range:	
DLIC No:		Half Range:	
Approved:	28-Jun-2000	East West:	
Installed:	30-Oct-2000	Section:	

Wells and Additional Sources Detail Report

Well Depth:	1780	Quarter 16:	
Water Level:	1302.0	Q Acre 160 Dir:	
Casing Depth:	1135	Quarter 40:	
Casing Diameter:	12.0	Q Acre 40 Dir:	
Casing Type:	OTHER - BLACK STEEL - IRON - SEAMLESS	Quarter 10:	
Pump Type:		Q Acre 10 Dir:	
Pump Power:		UTM X Meter:	435622.8
Pump Rate:	0	UTM Y Meter:	3892598.0
Tested Rate:	0	Application:	23-Jun-2000
Draw Down:	0	Address 1:	PO BOX 10775
Completion:		Address 2:	
Drill Log:	X	City:	PHOENIX
Well Cance:	No	State:	AZ
Cadastral:	A21006025ACD	ZIP:	85064
County:		ZIP 4:	
Watershed:		Latitude:	35.1742696994997
Basin Name:		Longitude:	-111.706986889429
Sub Basin Name:		Program:	
AMA Description:		Owner Name:	FLAGSTAFF RANCH WATER COMPANY
Quad Code:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	N	0.52	2,720.10	7,101.44	WELLS

Registry ID:	573819	Whole Town:	
Rgr Pump D:	NO	Half Towns:	
Well Type:	SPCL - GEOTECHNICAL	North South:	
Well Type 2:	OTHER	Whole Range:	
DLIC No:		Half Range:	
Approved:		East West:	
Installed:		Section:	
Well Depth:	0	Quarter 16:	
Water Level:	0.0	Q Acre 160 Dir:	
Casing Depth:	0	Quarter 40:	
Casing Diameter:	0.0	Q Acre 40 Dir:	
Casing Type:		Quarter 10:	
Pump Type:		Q Acre 10 Dir:	
Pump Power:		UTM X Meter:	436958.8
Pump Rate:	0	UTM Y Meter:	3894130.0
Tested Rate:	0	Application:	12-Mar-1999
Draw Down:	0	Address 1:	PO BOX 532711
Completion:		Address 2:	CESPL-ED-GG
Drill Log:		City:	LOS ANGELES
Well Cance:	Yes	State:	CA
Cadastral:	A21007019000	ZIP:	90053
County:		ZIP 4:	2325

Wells and Additional Sources Detail Report

Watershed:	Latitude:	35.1881677365458
Basin Name:	Longitude:	-111.692433121477
Sub Basin Name:	Program:	
AMA Description:	Owner Name:	US ARMY CORPS OF ENGINEERS
Quad Code:		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	N	0.52	2,720.10	7,101.44	WELLS

Registry ID:	202090	Whole Town:	
Rgr Pump D:	NO	Half Towns:	
Well Type:	SPCL - GEOTECHNICAL	North South:	
Well Type 2:	OTHER	Whole Range:	
DLIC No:		Half Range:	
Approved:	29-Jan-2004	East West:	
Installed:		Section:	
Well Depth:	0	Quarter 16:	
Water Level:	0.0	Q Acre 160 Dir:	
Casing Depth:	0	Quarter 40:	
Casing Diameter:	0.0	Q Acre 40 Dir:	
Casing Type:		Quarter 10:	
Pump Type:		Q Acre 10 Dir:	
Pump Power:		UTM X Meter:	436958.8
Pump Rate:	0	UTM Y Meter:	3894130.0
Tested Rate:	0	Application:	28-Jan-2004
Draw Down:	0	Address 1:	PO BOX 532711
Completion:		Address 2:	
Drill Log:	X	City:	LOS ANGELES
Well Cance:		State:	CA
Cadastral:	A21007019000	ZIP:	532711
County:		ZIP 4:	
Watershed:		Latitude:	35.1881677365458
Basin Name:		Longitude:	-111.692433121477
Sub Basin Name:		Program:	
AMA Description:		Owner Name:	USACE
Quad Code:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	WNW	0.55	2,891.75	7,155.22	WELLS

Registry ID:	588382	Whole Town:	
Rgr Pump D:	NO	Half Towns:	
Well Type:	NON-EXEMPT	North South:	
Well Type 2:	NON-EXEMPT	Whole Range:	
DLIC No:		Half Range:	

Wells and Additional Sources Detail Report

Approved:	15-Aug-2001	East West:	
Installed:		Section:	
Well Depth:	0	Quarter 16:	
Water Level:	0.0	Q Acre 160 Dir:	
Casing Depth:	0	Quarter 40:	
Casing Diameter:	0.0	Q Acre 40 Dir:	
Casing Type:		Quarter 10:	
Pump Type:		Q Acre 10 Dir:	
Pump Power:		UTM X Meter:	435424.9
Pump Rate:	0	UTM Y Meter:	3892801.0
Tested Rate:	0	Application:	09-Aug-2001
Draw Down:	0	Address 1:	2304 N 4TH ST STE #B
Completion:		Address 2:	
Drill Log:		City:	FLAGSTAFF
Well Cance:	Yes	State:	AZ
Cadastral:	A21006025ACB	ZIP:	86004
County:		ZIP 4:	
Watershed:		Latitude:	35.1760873427608
Basin Name:		Longitude:	-111.70917596423
Sub Basin Name:		Program:	
AMA Description:		Owner Name:	FLAGSTAFF RANCH GOLF CLUB
Quad Code:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	WNW	0.55	2,891.75	7,155.22	WELLS

Registry ID:	581958	Whole Town:	
Rgr Pump D:	NO	Half Towns:	
Well Type:	NON-EXEMPT	North South:	
Well Type 2:	NON-EXEMPT	Whole Range:	
DLIC No:		Half Range:	
Approved:	28-Jun-2000	East West:	
Installed:		Section:	
Well Depth:	0	Quarter 16:	
Water Level:	0.0	Q Acre 160 Dir:	
Casing Depth:	0	Quarter 40:	
Casing Diameter:	0.0	Q Acre 40 Dir:	
Casing Type:		Quarter 10:	
Pump Type:		Q Acre 10 Dir:	
Pump Power:		UTM X Meter:	435424.9
Pump Rate:	0	UTM Y Meter:	3892801.0
Tested Rate:	0	Application:	23-Jun-2000
Draw Down:	0	Address 1:	2304 N 4TH ST STE #B
Completion:		Address 2:	
Drill Log:		City:	FLAGSTAFF
Well Cance:	No	State:	AZ

Wells and Additional Sources Detail Report

Cadastral:	A21006025ACB	ZIP:	86004
County:		ZIP 4:	
Watershed:		Latitude:	35.1760873427608
Basin Name:		Longitude:	-111.70917596423
Sub Basin Name:		Program:	
AMA Description:		Owner Name:	FLAGSTAFF RANCH GOLF CLUB
Quad Code:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	WNW	0.63	3,301.27	7,118.77	WELLS

Registry ID:	581959	Whole Town:	
Rgr Pump D:	NO	Half Towns:	
Well Type:	NON-EXEMPT	North South:	
Well Type 2:	NON-EXEMPT	Whole Range:	
DLIC No:		Half Range:	
Approved:	28-Jun-2000	East West:	
Installed:		Section:	
Well Depth:	2040	Quarter 16:	
Water Level:	1329.0	Q Acre 160 Dir:	
Casing Depth:	2040	Quarter 40:	
Casing Diameter:	12.0	Q Acre 40 Dir:	
Casing Type:	OTHER - BLACK STEEL - IRON - SEAMLESS	Quarter 10:	
Pump Type:		Q Acre 10 Dir:	
Pump Power:		UTM X Meter:	435437.3
Pump Rate:	0	UTM Y Meter:	3893207.0
Tested Rate:	0	Application:	23-Jun-2000
Draw Down:	0	Address 1:	2304 N 4TH ST STE #B
Completion:		Address 2:	
Drill Log:	X	City:	FLAGSTAFF
Well Cance:	No	State:	AZ
Cadastral:	A21006025ABB	ZIP:	86004
County:		ZIP 4:	
Watershed:		Latitude:	35.179748832463
Basin Name:		Longitude:	-111.709071584043
Sub Basin Name:		Program:	
AMA Description:		Owner Name:	FLAGSTAFF RANCH GOLF CLUB
Quad Code:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	N	0.63	3,311.57	7,074.32	WELLS

Registry ID:	230900	Whole Town:	
Rgr Pump D:	NO	Half Towns:	
Well Type:	NON-EXEMPT	North South:	

Wells and Additional Sources Detail Report

Well Type 2:	NON-EXEMPT	Whole Range:	
DLIC No:		Half Range:	
Approved:	24-Jul-2019	East West:	
Installed:		Section:	
Well Depth:	0	Quarter 16:	
Water Level:	0.0	Q Acre 160 Dir:	
Casing Depth:	0	Quarter 40:	
Casing Diameter:	0.0	Q Acre 40 Dir:	
Casing Type:		Quarter 10:	
Pump Type:		Q Acre 10 Dir:	
Pump Power:		UTM X Meter:	437258.3
Pump Rate:	0	UTM Y Meter:	3894230.0
Tested Rate:	0	Application:	22-Jul-2019
Draw Down:	0	Address 1:	2502 E CAMELBACK RD, SUITE 214
Completion:		Address 2:	
Drill Log:		City:	PHOENIX
Well Cance:	Yes	State:	AZ
Cadastral:	A21007019ACD	ZIP:	85016
County:		ZIP 4:	
Watershed:		Latitude:	35.1890881500802
Basin Name:		Longitude:	-111.689151293185
Sub Basin Name:		Program:	
AMA Description:		Owner Name:	WANDERLAND FLAGSTAFF LLC
Quad Code:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	N	0.63	3,311.57	7,074.32	WELLS

Registry ID:	233317	Whole Town:	
Rgr Pump D:	NO	Half Towns:	
Well Type:	EXEMPT	North South:	
Well Type 2:	EXEMPT	Whole Range:	
DLIC No:		Half Range:	
Approved:	13-Nov-2020	East West:	
Installed:		Section:	
Well Depth:	0	Quarter 16:	
Water Level:	0.0	Q Acre 160 Dir:	
Casing Depth:	0	Quarter 40:	
Casing Diameter:	0.0	Q Acre 40 Dir:	
Casing Type:		Quarter 10:	
Pump Type:		Q Acre 10 Dir:	
Pump Power:		UTM X Meter:	437258.3
Pump Rate:	0	UTM Y Meter:	3894230.0
Tested Rate:	0	Application:	09-Nov-2020
Draw Down:	0	Address 1:	2502 E CAMELBACK RD, SUITE 214
Completion:		Address 2:	

Wells and Additional Sources Detail Report

Drill Log:	City: PHOENIX
Well Cance:	State: AZ
Cadastral: A21007019ACD	ZIP: 85016
County:	ZIP 4:
Watershed:	Latitude: 35.1890881500802
Basin Name:	Longitude: -111.689151293185
Sub Basin Name:	Program:
AMA Description:	Owner Name: WANDERLAND FLAGSTAFF, LLC
Quad Code:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	SSW	0.69	3,634.21	6,997.27	WELLS

Registry ID: 599383	Whole Town:
Rgr Pump D: NO	Half Towns:
Well Type: EXEMPT	North South:
Well Type 2: EXEMPT	Whole Range:
DLIC No:	Half Range:
Approved: 18-Jul-2003	East West:
Installed: 26-Apr-2004	Section:
Well Depth: 1600	Quarter 16:
Water Level: 1270.0	Q Acre 160 Dir:
Casing Depth: 1600	Quarter 40:
Casing Diameter: 6.0	Q Acre 40 Dir:
Casing Type: PLASTIC OR PVC	Quarter 10:
Pump Type:	Q Acre 10 Dir:
Pump Power:	UTM X Meter: 436416.4
Pump Rate: 0	UTM Y Meter: 3890575.0
Tested Rate: 0	Application: 20-Jun-2003
Draw Down: 0	Address 1: 2340 W. CONSTITUTION BLVD
Completion:	Address 2:
Drill Log: X	City: FLAGSTAFF
Well Cance:	State: AZ
Cadastral: A21007031CBD	ZIP: 86005
County:	ZIP 4:
Watershed:	Latitude: 35.1560798232645
Basin Name:	Longitude: -111.698116296589
Sub Basin Name:	Program:
AMA Description:	Owner Name: BENJAMIN LEE & YI-TZU TINA REESER
Quad Code:	

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	S	0.69	3,664.23	7,000.25	WELLS

Registry ID: 579922	Whole Town:
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Wells and Additional Sources Detail Report

Rgr Pump D:	NO	Half Towns:	
Well Type:	EXEMPT	North South:	
Well Type 2:	EXEMPT	Whole Range:	
DLIC No:		Half Range:	
Approved:	06-Apr-2000	East West:	
Installed:	23-Dec-2000	Section:	
Well Depth:	1400	Quarter 16:	
Water Level:	1187.0	Q Acre 160 Dir:	
Casing Depth:	1400	Quarter 40:	
Casing Diameter:	6.0	Q Acre 40 Dir:	
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING	Quarter 10:	
Pump Type:		Q Acre 10 Dir:	
Pump Power:		UTM X Meter:	436822.4
Pump Rate:	0	UTM Y Meter:	3890578.0
Tested Rate:	0	Application:	30-Mar-2000
Draw Down:	0	Address 1:	ROSS MCCALLISTER, MGR
Completion:		Address 2:	2910 N SWAN RD, STE 204
Drill Log:	X	City:	TUCSON
Well Cance:		State:	AZ
Cadastral:	A21007031CAD	ZIP:	85712
County:		ZIP 4:	
Watershed:		Latitude:	35.1561324752756
Basin Name:		Longitude:	-111.693659139764
Sub Basin Name:		Program:	
AMA Description:		Owner Name:	SECTION 31 WATER RIGHTS JOINT VENTURE
Quad Code:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	S	0.69	3,664.23	7,000.25	WELLS

Registry ID:	570155	Whole Town:	
Rgr Pump D:	NO	Half Towns:	
Well Type:	EXEMPT	North South:	
Well Type 2:	EXEMPT	Whole Range:	
DLIC No:		Half Range:	
Approved:		East West:	
Installed:		Section:	
Well Depth:	0	Quarter 16:	
Water Level:	0.0	Q Acre 160 Dir:	
Casing Depth:	0	Quarter 40:	
Casing Diameter:	0.0	Q Acre 40 Dir:	
Casing Type:		Quarter 10:	
Pump Type:		Q Acre 10 Dir:	
Pump Power:		UTM X Meter:	436822.4
Pump Rate:	0	UTM Y Meter:	3890578.0
Tested Rate:	0	Application:	13-Aug-1999

Wells and Additional Sources Detail Report

Draw Down:	0	Address 1:	PO BOX 4083
Completion:		Address 2:	
Drill Log:		City:	SEDONA
Well Cance:	Yes	State:	AZ
Cadastral:	A21007031CAD	ZIP:	86340
County:		ZIP 4:	
Watershed:		Latitude:	35.1561324752756
Basin Name:		Longitude:	-111.693659139764
Sub Basin Name:		Program:	
AMA Description:		Owner Name:	JOHN SCHMITT
Quad Code:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	S	0.70	3,673.48	6,976.82	WELLS

Registry ID:	923435	Whole Town:	
Rgr Pump D:	NO	Half Towns:	
Well Type:	EXEMPT	North South:	
Well Type 2:	EXEMPT	Whole Range:	
DLIC No:		Half Range:	
Approved:	05-Oct-2019	East West:	
Installed:	04-Nov-2019	Section:	
Well Depth:	1400	Quarter 16:	
Water Level:	1129.0	Q Acre 160 Dir:	
Casing Depth:	1400	Quarter 40:	
Casing Diameter:	6.0	Q Acre 40 Dir:	
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING	Quarter 10:	
Pump Type:		Q Acre 10 Dir:	
Pump Power:		UTM X Meter:	437025.4
Pump Rate:	0	UTM Y Meter:	3890579.0
Tested Rate:	0	Application:	05-Oct-2019
Draw Down:	0	Address 1:	1431 N ACACIA
Completion:		Address 2:	
Drill Log:	X	City:	TUCSON
Well Cance:		State:	AZ
Cadastral:	A21007031DBC	ZIP:	85745
County:		ZIP 4:	
Watershed:		Latitude:	35.1561542315371
Basin Name:		Longitude:	-111.691430519996
Sub Basin Name:		Program:	
AMA Description:		Owner Name:	LEON LIVING TRUST
Quad Code:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	NNW	0.71	3,732.27	7,066.31	WELLS

Wells and Additional Sources Detail Report

Registry ID:	207920	Whole Town:	
Rgr Pump D:	NO	Half Towns:	
Well Type:	SPCL - GEOTECHNICAL	North South:	
Well Type 2:	OTHER	Whole Range:	
DLIC No:		Half Range:	
Approved:	02-Jun-2005	East West:	
Installed:		Section:	
Well Depth:	0	Quarter 16:	
Water Level:	0.0	Q Acre 160 Dir:	
Casing Depth:	0	Quarter 40:	
Casing Diameter:	0.0	Q Acre 40 Dir:	
Casing Type:		Quarter 10:	
Pump Type:		Q Acre 10 Dir:	
Pump Power:		UTM X Meter:	436454.1
Pump Rate:	0	UTM Y Meter:	3894437.0
Tested Rate:	0	Application:	20-May-2005
Draw Down:	0	Address 1:	211 W ASPEN AVE
Completion:		Address 2:	
Drill Log:		City:	FLAGSTAFF
Well Cance:		State:	AZ
Cadastral:	A21007019BCA	ZIP:	86001
County:		ZIP 4:	
Watershed:		Latitude:	35.1909039781587
Basin Name:		Longitude:	-111.697999963181
Sub Basin Name:		Program:	
AMA Description:		Owner Name:	CITY OF FLAGSTAFF, UTILITIES DEPARTMENT
Quad Code:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	WNW	0.75	3,936.37	7,110.75	WELLS

Registry ID:	581964	Whole Town:	
Rgr Pump D:	NO	Half Towns:	
Well Type:	NON-EXEMPT	North South:	
Well Type 2:	NON-EXEMPT	Whole Range:	
DLIC No:		Half Range:	
Approved:	28-Jun-2000	East West:	
Installed:		Section:	
Well Depth:	0	Quarter 16:	
Water Level:	0.0	Q Acre 160 Dir:	
Casing Depth:	0	Quarter 40:	
Casing Diameter:	0.0	Q Acre 40 Dir:	
Casing Type:		Quarter 10:	
Pump Type:		Q Acre 10 Dir:	
Pump Power:		UTM X Meter:	435231.4

Wells and Additional Sources Detail Report

Pump Rate:	0	UTM Y Meter:	3893206.0
Tested Rate:	0	Application:	23-Jun-2000
Draw Down:	0	Address 1:	2304 N 4TH ST STE #B
Completion:		Address 2:	
Drill Log:		City:	FLAGSTAFF
Well Cance:	Yes	State:	AZ
Cadastral:	A21006025BAA	ZIP:	86004
County:		ZIP 4:	
Watershed:		Latitude:	35.179726557141
Basin Name:		Longitude:	-111.711332684797
Sub Basin Name:		Program:	
AMA Description:		Owner Name:	FLAGSTAFF RANCH GOLF CLUB
Quad Code:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	WNW	0.75	3,936.37	7,110.75	WELLS

Registry ID:	588379	Whole Town:	
Rgr Pump D:	NO	Half Towns:	
Well Type:	NON-EXEMPT	North South:	
Well Type 2:	NON-EXEMPT	Whole Range:	
DLIC No:		Half Range:	
Approved:	15-Aug-2001	East West:	
Installed:		Section:	
Well Depth:	0	Quarter 16:	
Water Level:	0.0	Q Acre 160 Dir:	
Casing Depth:	0	Quarter 40:	
Casing Diameter:	0.0	Q Acre 40 Dir:	
Casing Type:		Quarter 10:	
Pump Type:		Q Acre 10 Dir:	
Pump Power:		UTM X Meter:	435231.4
Pump Rate:	0	UTM Y Meter:	3893206.0
Tested Rate:	0	Application:	09-Aug-2001
Draw Down:	0	Address 1:	2304 N 4TH ST STE #B
Completion:		Address 2:	
Drill Log:		City:	FLAGSTAFF
Well Cance:	Yes	State:	AZ
Cadastral:	A21006025BAA	ZIP:	86004
County:		ZIP 4:	
Watershed:		Latitude:	35.179726557141
Basin Name:		Longitude:	-111.711332684797
Sub Basin Name:		Program:	
AMA Description:		Owner Name:	FLAGSTAFF RANCH GOLF CLUB
Quad Code:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

24	N	0.75	3,956.00	7,072.58	WELLS
Registry ID:	630285	Whole Town:			
Rgr Pump D:	YES	Half Towns:			
Well Type:	EXEMPT	North South:			
Well Type 2:	EXEMPT	Whole Range:			
DLIC No:		Half Range:			
Approved:		East West:			
Installed:	01-Jan-1976	Section:			
Well Depth:	1551	Quarter 16:			
Water Level:	1201.0	Q Acre 160 Dir:			
Casing Depth:	1551	Quarter 40:			
Casing Diameter:	7.0	Q Acre 40 Dir:			
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING	Quarter 10:			
Pump Type:	NO PUMP CODE LISTED	Q Acre 10 Dir:			
Pump Power:	NO POWER CODE LISTED	UTM X Meter:	437257.3		
Pump Rate:	30	UTM Y Meter:	3894435.0		
Tested Rate:	30	Application:	13-Jan-1982		
Draw Down:	0	Address 1:	1848 S ELENA STE B		
Completion:		Address 2:			
Drill Log:		City:	REDONDO BEACH		
Well Cance:		State:	CA		
Cadastral:	A21007019ACA	ZIP:	90277		
County:		ZIP 4:			
Watershed:		Latitude:	35.1909364709567		
Basin Name:		Longitude:	-111.6891778847		
Sub Basin Name:		Program:			
AMA Description:		Owner Name:	HIDDEN HOLLOW M P,		
Quad Code:					

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
27	WNW	0.83	4,363.00	7,099.02	WELLS

Registry ID:	581965	Whole Town:
Rgr Pump D:	NO	Half Towns:
Well Type:	NON-EXEMPT	North South:
Well Type 2:	NON-EXEMPT	Whole Range:
DLIC No:		Half Range:
Approved:	28-Jun-2000	East West:
Installed:		Section:
Well Depth:	0	Quarter 16:
Water Level:	0.0	Q Acre 160 Dir:
Casing Depth:	0	Quarter 40:
Casing Diameter:	0.0	Q Acre 40 Dir:
Casing Type:		Quarter 10:
Pump Type:		Q Acre 10 Dir:

Wells and Additional Sources Detail Report

Pump Power:	UTM X Meter:	435020.5
Pump Rate: 0	UTM Y Meter:	3893002.0
Tested Rate: 0	Application:	23-Jun-2000
Draw Down: 0	Address 1:	2304 N 4TH ST STE #B
Completion:	Address 2:	
Drill Log:	City:	FLAGSTAFF
Well Cance: Yes	State:	AZ
Cadastral: A21006025BAC	ZIP:	86004
County:	ZIP 4:	
Watershed:	Latitude:	35.1778735719293
Basin Name:	Longitude:	-111.713632695024
Sub Basin Name:	Program:	
AMA Description:	Owner Name:	FLAGSTAFF RANCH GOLF CLUB
Quad Code:		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
27	WNW	0.83	4,363.00	7,099.02	WELLS

Registry ID: 588380	Whole Town:	
Rgr Pump D: NO	Half Towns:	
Well Type: NON-EXEMPT	North South:	
Well Type 2: NON-EXEMPT	Whole Range:	
DLIC No:	Half Range:	
Approved: 15-Aug-2001	East West:	
Installed:	Section:	
Well Depth: 0	Quarter 16:	
Water Level: 0.0	Q Acre 160 Dir:	
Casing Depth: 0	Quarter 40:	
Casing Diameter: 0.0	Q Acre 40 Dir:	
Casing Type:	Quarter 10:	
Pump Type:	Q Acre 10 Dir:	
Pump Power:	UTM X Meter:	435020.5
Pump Rate: 0	UTM Y Meter:	3893002.0
Tested Rate: 0	Application:	09-Aug-2001
Draw Down: 0	Address 1:	2304 N 4TH ST STE #B
Completion:	Address 2:	
Drill Log:	City:	FLAGSTAFF
Well Cance: Yes	State:	AZ
Cadastral: A21006025BAC	ZIP:	86004
County:	ZIP 4:	
Watershed:	Latitude:	35.1778735719293
Basin Name:	Longitude:	-111.713632695024
Sub Basin Name:	Program:	
AMA Description:	Owner Name:	FLAGSTAFF RANCH GOLF CLUB
Quad Code:		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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Wells and Additional Sources Detail Report

28	NNW	0.83	4,385.59	7,063.87	WELLS
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Registry ID:	908260	Whole Town:	
Rgr Pump D:	NO	Half Towns:	
Well Type:	NON-EXEMPT	North South:	
Well Type 2:	NON-EXEMPT	Whole Range:	
DLIC No:		Half Range:	
Approved:	17-Dec-2008	East West:	
Installed:	12-Apr-2009	Section:	
Well Depth:	2486	Quarter 16:	
Water Level:	1240.0	Q Acre 160 Dir:	
Casing Depth:	2480	Quarter 40:	
Casing Diameter:	9.0	Q Acre 40 Dir:	
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING	Quarter 10:	
Pump Type:		Q Acre 10 Dir:	
Pump Power:		UTM X Meter:	436452.7
Pump Rate:	0	UTM Y Meter:	3894641.0
Tested Rate:	0	Application:	12-Dec-2008
Draw Down:	0	Address 1:	211 WEST ASPEN AVENUE
Completion:		Address 2:	
Drill Log:	X	City:	FLAGSTAFF
Well Cance:		State:	AZ
Cadastral:	A21007019BBD	ZIP:	86001
County:		ZIP 4:	
Watershed:		Latitude:	35.1927432524007
Basin Name:		Longitude:	-111.698031072738
Sub Basin Name:		Program:	
AMA Description:		Owner Name:	CITY OF FLAGSTAFF
Quad Code:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
29	W	0.88	4,623.18	7,060.83	WELLS

Registry ID:	511071	Whole Town:	
Rgr Pump D:	NO	Half Towns:	
Well Type:	NON-EXEMPT	North South:	
Well Type 2:	NON-EXEMPT	Whole Range:	
DLIC No:		Half Range:	
Approved:		East West:	
Installed:	20-Oct-1985	Section:	
Well Depth:	1800	Quarter 16:	
Water Level:	1122.0	Q Acre 160 Dir:	
Casing Depth:	1800	Quarter 40:	
Casing Diameter:	12.0	Q Acre 40 Dir:	
Casing Type:	STEEL - PERFORATED OR	Quarter 10:	

Wells and Additional Sources Detail Report

	SLOTTED CASING		
Pump Type:	NO PUMP CODE LISTED	Q Acre 10 Dir:	
Pump Power:	NO POWER CODE LISTED	UTM X Meter:	434806.3
Pump Rate:	0	UTM Y Meter:	3892599.0
Tested Rate:	0	Application:	08-May-1985
Draw Down:	0	Address 1:	2300 PASEO DEL PRADO
Completion:	C	Address 2:	
Drill Log:	X	City:	LAS VEGAS
Well Cance:		State:	NV
Cadastral:	A21006025BCD	ZIP:	85129
County:		ZIP 4:	
Watershed:		Latitude:	35.1742260510674
Basin Name:		Longitude:	-111.715953107744
Sub Basin Name:		Program:	
AMA Description:		Owner Name:	FLAGSTAFF RANCH ASSO,
Quad Code:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
29	W	0.88	4,623.18	7,060.83	WELLS

Registry ID:	509021	Whole Town:	
Rgr Pump D:	YES	Half Towns:	
Well Type:	NON-EXEMPT	North South:	
Well Type 2:	NON-EXEMPT	Whole Range:	
DLIC No:		Half Range:	
Approved:		East West:	
Installed:	15-Mar-1985	Section:	
Well Depth:	1810	Quarter 16:	
Water Level:	1182.0	Q Acre 160 Dir:	
Casing Depth:	0	Quarter 40:	
Casing Diameter:	19.0	Q Acre 40 Dir:	
Casing Type:	STEEL - PERFORATED OR SLOTTED CASING	Quarter 10:	
Pump Type:	TURBINE	Q Acre 10 Dir:	
Pump Power:	ELECTRIC MOTOR 16 - 100 HP	UTM X Meter:	434806.3
Pump Rate:	65	UTM Y Meter:	3892599.0
Tested Rate:	86	Application:	23-Aug-1984
Draw Down:	287	Address 1:	PO BOX 10775
Completion:	X	Address 2:	
Drill Log:	X	City:	PHOENIX
Well Cance:		State:	AZ
Cadastral:	A21006025BCD	ZIP:	85064
County:		ZIP 4:	
Watershed:		Latitude:	35.1742260510674
Basin Name:		Longitude:	-111.715953107744
Sub Basin Name:		Program:	
AMA Description:		Owner Name:	FLAGSTAFF RANCH WTR,

Wells and Additional Sources Detail Report

Quad Code:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
31	WNW	0.91	4,788.12	7,093.60	WELLS

Registry ID:	509020	Whole Town:	
Rgr Pump D:	NO	Half Towns:	
Well Type:	NON-EXEMPT	North South:	
Well Type 2:	NON-EXEMPT	Whole Range:	
DLIC No:		Half Range:	
Approved:		East West:	
Installed:		Section:	
Well Depth:	0	Quarter 16:	
Water Level:	0.0	Q Acre 160 Dir:	
Casing Depth:	0	Quarter 40:	
Casing Diameter:	0.0	Q Acre 40 Dir:	
Casing Type:	NO CASING CODE LISTED	Quarter 10:	
Pump Type:	NO PUMP CODE LISTED	Q Acre 10 Dir:	
Pump Power:	NO POWER CODE LISTED	UTM X Meter:	434810.8
Pump Rate:	0	UTM Y Meter:	3892800.0
Tested Rate:	0	Application:	23-Aug-1984
Draw Down:	0	Address 1:	2300 PASEO DEL PRADO
Completion:		Address 2:	
Drill Log:		City:	LAS VEGAS
Well Cance:	Yes	State:	NV
Cadastral:	A21006025BCA	ZIP:	85129
County:		ZIP 4:	
Watershed:		Latitude:	35.1760386545575
Basin Name:		Longitude:	-111.715919581229
Sub Basin Name:		Program:	
AMA Description:		Owner Name:	FLAGSTAFF RANCH ASSO,
Quad Code:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
32	NNE	0.93	4,917.59	6,965.48	WELLS

Registry ID:	600289	Whole Town:	
Rgr Pump D:	YES	Half Towns:	
Well Type:	EXEMPT	North South:	
Well Type 2:	EXEMPT	Whole Range:	
DLIC No:		Half Range:	
Approved:		East West:	
Installed:	15-Jun-1957	Section:	
Well Depth:	1600	Quarter 16:	
Water Level:	1255.0	Q Acre 160 Dir:	
Casing Depth:	1255	Quarter 40:	

Wells and Additional Sources Detail Report

Casing Diameter:	8.0	Q Acre 40 Dir:	
Casing Type:	NO CASING CODE LISTED	Quarter 10:	
Pump Type:	SUBMERSIBLE	Q Acre 10 Dir:	
Pump Power:	ELECTRIC MOTOR 16 - 100 HP	UTM X Meter:	438254.8
Pump Rate:	30	UTM Y Meter:	3894443.0
Tested Rate:	30	Application:	07-Dec-1981
Draw Down:	0	Address 1:	PO BOX 934
Completion:	X	Address 2:	
Drill Log:	X	City:	FLAGSTAFF
Well Cance:		State:	AZ
Cadastral:	A21007020BDB	ZIP:	86002
County:		ZIP 4:	
Watershed:		Latitude:	35.1910704569511
Basin Name:		Longitude:	-111.678222441065
Sub Basin Name:		Program:	
AMA Description:		Owner Name:	RIORDAN,R E
Quad Code:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
32	NNE	0.93	4,917.59	6,965.48	WELLS

Registry ID:	806159	Whole Town:	
Rgr Pump D:	YES	Half Towns:	
Well Type:	EXEMPT	North South:	
Well Type 2:	EXEMPT	Whole Range:	
DLIC No:		Half Range:	
Approved:		East West:	
Installed:		Section:	
Well Depth:	0	Quarter 16:	
Water Level:	0.0	Q Acre 160 Dir:	
Casing Depth:	1570	Quarter 40:	
Casing Diameter:	0.0	Q Acre 40 Dir:	
Casing Type:	NO CASING CODE LISTED	Quarter 10:	
Pump Type:	NO PUMP CODE LISTED	Q Acre 10 Dir:	
Pump Power:	NO POWER CODE LISTED	UTM X Meter:	438254.8
Pump Rate:	30	UTM Y Meter:	3894443.0
Tested Rate:	0	Application:	01-Oct-1991
Draw Down:	0	Address 1:	1109 S PLAZA WAY 167
Completion:		Address 2:	
Drill Log:		City:	FLAGSTAFF
Well Cance:		State:	AZ
Cadastral:	A21007020BDB	ZIP:	86001
County:		ZIP 4:	
Watershed:		Latitude:	35.1910704569511
Basin Name:		Longitude:	-111.678222441065
Sub Basin Name:		Program:	

Wells and Additional Sources Detail Report

AMA Description:
Quad Code:

Owner Name:

LUPTON BATES ASSOCS,

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
34	W	0.99	5,209.48	7,036.40	WELLS

Registry ID:	504916	Whole Town:	
Rgr Pump D:	NO	Half Towns:	
Well Type:	NON-EXEMPT	North South:	
Well Type 2:	NON-EXEMPT	Whole Range:	
DLIC No:		Half Range:	
Approved:		East West:	
Installed:		Section:	
Well Depth:	0	Quarter 16:	
Water Level:	0.0	Q Acre 160 Dir:	
Casing Depth:	0	Quarter 40:	
Casing Diameter:	0.0	Q Acre 40 Dir:	
Casing Type:	NO CASING CODE LISTED	Quarter 10:	
Pump Type:	NO PUMP CODE LISTED	Q Acre 10 Dir:	
Pump Power:	NO POWER CODE LISTED	UTM X Meter:	434599.5
Pump Rate:	0	UTM Y Meter:	3892398.0
Tested Rate:	0	Application:	07-Mar-1983
Draw Down:	0	Address 1:	2800 W SAHARA AVE
Completion:		Address 2:	
Drill Log:		City:	LAS VEGAS
Well Cance:	Yes	State:	NV
Cadastral:	A21006025CBB	ZIP:	89102
County:		ZIP 4:	
Watershed:		Latitude:	35.1724002959252
Basin Name:		Longitude:	-111.718208074951
Sub Basin Name:		Program:	
AMA Description:		Owner Name:	SUN CNTY DEVELOPMENT,
Quad Code:			

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for COCONINO County: **2**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L

Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L

Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for COCONINO County

No Measures/Homes:	89
Geometric Mean:	0.9
Arithmetic Mean:	1.9
Median:	0.9
Standard Deviation:	2.5
Maximum:	13.5
% >4 pCi/L:	9
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of Arizona conducted during 1987-88. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

Federal Sources

FEMA National Flood Hazard Layer

FEMA FLOOD

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data

INDOOR RADON

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data

PWSV

List of drinking water violations and enforcement actions from the Safe Drinking Water Information System (SDWIS) made available by the Drinking Water Protection Division of the US EPA's Office of Groundwater and Drinking Water. Enforcement sensitive actions are not included in the data released by the EPA. Address information provided in SDWIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level

RADON ZONE

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS)

SDWIS

The Safe Drinking Water Information System (SDWIS) contains information about public water systems as reported to US Environmental Protection Agency (EPA) by the states. Addresses may correspond with the location of the water system, or with a contact address.

Soil Survey Geographic database

SSURGO

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

U.S. Fish & Wildlife Service Wetland Data

US WETLAND

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

USGS Current Topo

US TOPO

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology

US GEOLOGY

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System

FED USGS

The U.S. Geological Survey (USGS)'s National Water Information System (NWIS) is the nation's principal repository of water resources data. This database includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data.

State Sources

Drywell Database

DRYWELLS

The Drywell database contains information regarding drywells in Arizona. This database is maintained by

Appendix

the Arizona Department of Environmental Quality (ADEQ).

Historical Drywells

Historical listing of registered drywells once maintained and made available by the Arizona Department of Environmental Quality (ADEQ) Water Quality Division. As of May 2018, ADEQ stopped accepting paper forms and will no longer be updating this list.

DRYWELLS HIST

Oil and Gas Wells

List of Oil and Gas wells in the State of Arizona that have been permitted by the State Oil and Gas Conservation Commission (OGCC). Gas wells include natural gas, helium, and carbon dioxide wells. This data was provided by Arizona Geological Survey.

OGW

Wells 55 Registry

The Wells 55 Registry lists wells registered in the state, including NOIs to drill, modify, abandon, or deepen, registrations, driller reports, completion reports, change of well information, change of ownership, notice of well capping, and abandonment completion reports. The database was created in 1980 to store registration information submitted by well owners and drillers. Data made available by the Arizona Department of Water Resources.

WELLS

Liability Notice

Reliance on information in Report: The Physical Setting Report (PSR) DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a review of environmental databases and physical characteristics for the site or adjacent properties.

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APPENDIX E

SUPPORTING
DOCUMENTATION

SITE ASSESSMENT QUESTIONNAIRE

Property Name: Flagstaff Job No.: _____

Property Address: _____

Form Completed By: Joe Charles - ASLD Date: 10/18/21

Your relationship to the property (Owner, Owner Representative, Property Manager, Tenant, etc.): _____

Section 1 Current and Historical Uses of Property

1. How long have you been associated with, or had knowledge of, the property?

1 Year

2. Name(s) of current and any previous occupant(s) or provide a tenant list.

Unknown

3. Please describe the current use(s) of the property or indicate uses on the tenant list.

Unknown

4. Please describe the past (histories) uses of the property, with approximate dates.

Unknown

5. Has a previous Phase I ESA or other Environmental Investigation been done on the property? If possible, please provide a copy of these previous studies.

Unknown

Site Assessment Questionnaire

Section 2 Potential Environmental Conditions

If you are aware of any of the conditions identified, please answer yes so that we can clarify all past and present environmental conditions.

Conditions	Yes	No	Unknown
1. Industrial Uses of Subject or Adjoining Properties Industrial uses including, but not limited to: gas/service stations, auto repair or painting, printing, dry cleaners, photo processing or chrome plating, smelting, petroleum refining, and/or other chemical manufacturing	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Agricultural / Silva Culture / Aquaculture Uses Crop production, concentrated animal feeding (poultry, cattle, fish, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Waste Storage or Disposal Junkyard, recycling facility, battery storage, landfill, dump, wastewater lagoon	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Equipment Use, Storage, or Abandonment Production lines, hydraulic equipment, vehicles, heavy equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Hazardous Materials (greater than 5-gallon containers or 25-lb bags) Pesticides, paints, solvents, acids, bases, antifreeze, other regulated materials	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. Petroleum Hydrocarbons (greater than 5-gallon containers) Gasoline, diesel, lubricating oil, waste oil, fuel oil, heating oil or bunker oil, kerosene, benzene, toluene, ethylbenzene, xylene, aviation or jet fuel	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Spills or Releases of Petroleum Hydrocarbons or Hazardous Materials Stained soil, dead vegetation, or any other evidence of a petroleum or chemical spill	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. PCBs Transformers, hydraulic equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9. Surface Water Issues Pits, ponds, or lagoons associated with wastewater storage	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Site Assessment Questionnaire

	Yes	No	Unknown
10. Groundwater Issues Monitoring or drinking water wells, injection wells, or drains that go directly into the ground	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11. Wastewater Issues Floor drains and trenches, sumps, oil water separators on the site	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
12. Underground Storage Tanks (USTs) / Above-ground Storage Tanks (ASTs) UST / ASTs present or removed – If yes, please specify material stored: gasoline, diesel, fuel oil, used oil, and indicate capacity.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
13. Asbestos Issues Asbestos Survey, Inspection, Operation and Management Plans, Abatement Reports	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
14. Septic Tanks and Leach Fields Currently used or abandoned	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15. Utility Corridors Oil or Gas Pipelines, Right-of-ways, Easements	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
16. Regulatory Compliance Stormwater Plans, Spill Prevention Plans, Air Permits, Wastewater Discharge Permits, UST Permits, 404 Wetlands Permit. If yes, specify which Plan or Permit.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
17. Natural Resource Issues Wetlands and Riparian Areas, Critical Habitat, Threatened and Endangered Species, Historic or Cultural Resources	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
18. Legal or Regulatory Actions Are you aware of any governmental enforcement actions, environmental liens with regard to the property, pending lawsuits, or administrative proceedings concerning a release or threatened release of any hazardous substances or petroleum products involving the property against the owner or any tenant of the property?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Site Assessment Questionnaire

Section 3 User Provided Information

User Provided Information

Yes No Unknown

1. **Environmental Liens**

Environmental liens that are filed or recorded against the property. Did a search of recorded land title records identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?

☐ ☐ ☒

2. **AULs**

Activity and use limitations that are in place on the property or have been filed or recorded against the property. Did a search of record land title records identify any AULs, such as engineering controls, land use restrictions, or intuition controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?

☐ ☐ ☒

3. **Specialized Knowledge**

Specialized knowledge or experience of the person seeking to qualify for the LLP. 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 adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

☐ ☐ ☒

4. **Fair Market Value of Property**

Relationship of the purchase price to the fair market value of the property if it were not contaminated. Does the purchase price 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 on the property?

☐ ☐ ☒

Site Assessment Questionnaire

5. Commonly Known Information

Yes No Unknown

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

a. Do you know the past uses of the property?

☐ ☐ ☒

b. Do you know the specific chemicals that are present or once were present at the property?

☐ ☐ ☒

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

☐ ☐ ☒

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

☐ ☐ ☒

6. Presence of Contamination

The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation. Based on your knowledge and experience related to the property, are there any obvious indications that point to the presence or likely presence of releases at the property?

☐ ☐ ☒

I have completed the above questionnaire to the best of my knowledge.

Signature: _____

Date: _____

10/18/2021

Printed name: _____

Joe Charles

Company: _____

Arizona State Land Department

Please return to CMT by email hank.belliston@cmtlaboratories.com)

CMT ENGINEERING
LABORATORIES

APPENDIX F

STATEMENT OF QUALIFICATIONS

HANK BELLISTON, M.S., P.E.

ARIZONA ENGINEERING MANAGER

PROFESSIONAL EXPERIENCE

Hank Belliston is a registered Professional Engineer in the State of Arizona and has over 17 years of geotechnical engineering experience. He specializes in materials characterization and testing, pavement thickness design, and foundation evaluations.

Mr. Belliston has experience conducting engineering review and analysis of field and laboratory materials testing, reviewing and preparing geotechnical, forensic and percolation reports, and preparing project cost proposals. He has also conducted and directed field exploration activities, including scheduling, overseeing drill rig and backhoe operations, sampling operations, and coordination of laboratory materials testing. As a Project Engineer and Geotechnical Department Manager, he also conducted Phase I Environmental Site Assessments and Phase II Environmental Studies.

PROJECT EXPERIENCE

Mr. Belliston has been involved with numerous projects included residential subdivisions, custom homes, commercial projects, pavement designs, slope evaluations (Visual Slope), and communication towers. He has conducted forensic investigations to determine possible causes of foundation movements under existing structures.

Ames Construction / Well Canyon Bridge Re-Alignment, ADOT, Yavapai County, Arizona (GTI) – 2015-2016

Mr. Belliston prepared slope stability analyses for pre-construction slopes, temporary construction slopes, and post-construction slopes. Temporary construction slopes included consideration of temporary loading from large construction equipment, including full-loaded cranes.

Paul Ekstrom / Ames Construction / 602-431-2111

Travis League / Ames Construction / 602-431-2111

Wood Partners / ALTA Central, (GTI) – 2016

Mr. Belliston prepared the geotechnical proposal, oversaw the drilling and soil tester, and prepared the geotechnical report for a four-story apartment building with a five-story parking garage. His involvement included pavement design for driveways and fire lane, conventional continuous spread footings for the garage, and post-tension slab-on-grade recommendations for the apartments.

Clay Richardson / Wood Partners/ 480-607-0622

Jared Tieman / Wood Partners / 480-607-0622

Coconino County / Ancient Trail Pavement and Slope Analysis – 2016

As of December, 2017, the project is in progress. CMT's task is to conduct an investigation of the subsoils within the existing roadway in order to classify the existing soils, and recommend specifications for the construction of the new roadway. It is our intention to close that portion of Ancient Trail to traffic during our field work. A traffic plan was provided. CMT will provide slope stability information for the slope to the northwest of the roadway, and to provide recommendations regarding any necessary cuts into the existing slope. We will also provide information regarding soils on the southeast slope of the adjacent wash, in terms of whether or not it can be easily excavated to re-route the channel, if necessary.

James Guidotti / Coconino County / 928-608-9367

J.D. Brice / Coconino County / 928-635-4828

Education

Brigham Young University

M.S., Civil Engineering (Geotechnical Emphasis), 2006

Training and Certifications

Arizona PE #49104

ADOSH (Arizona Division of Occupational Safety and Health) – Excavation Safety ASTM Phase I & Phase II Environmental Site Assessment Processes

Work History

CMT Engineering Laboratories

2017 - Present

Arizona Engineering Manager

Geotechnical Testing & Inspections 2010-2017

Project Engineer and Geotechnical Department Manager

*Construction Inspection & Testing Co
2004-2008*

Engineer in Training



LINDSEY BRADSHAW

ENVIRONMENTAL SPECIALIST

EDUCATION

Utah State University,
Logan, Utah
B.SA Interior Design, 2009

PROFESSIONAL CLASSES

ASTM International
Phase I and II Training Course,
Las Vegas, Nevada

PROFESSIONAL HISTORY

GSH Geotechnical, Inc, Murray, Utah
Environmental Technician, Nov. 2011 to April. 2017

CMT Engineering Laboratories, Vineyard, Utah
Environmental Specialist, May 2017 to present

CAPABILITIES

Environmental site assessments, environmental fields sampling, geotechnical engineering field sampling

EXPERIENCE

Performed numerous Phase I and II Environmental Site Assessments throughout the State of Utah and surrounding states.

Assisted with numerous geotechnical engineering studies throughout the State of Utah.