PHASE I ENVIRONMENTAL SITE ASSESSMENT

PARCEL 210-12-0010

PIMA County, Arizona

APRIL 23, 2020

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LIST OF COMMON ACRONYMS

Phase I ESA	Phase I Environmental Site Assessment
ADEQ	Arizona Department of Environmental Quality
ADWR	Arizona Department of Water Resources
AST	Above Ground Storage Tank
ASTM	American Society for Testing and Materials
AWQS	Aquifer Water Quality Standards
BEC	Bowers Environmental Consulting, LLC
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CORRACTS	Corrective Actions
DAS	DataMap Area Study
EDR	Environmental Data Resources, Inc.
EPA	United States Environmental Protection Agency
LUST	Leaking Underground Storage Tank
MCLs	Maximum Contaminant Levels
NPL	National Priority List
ODI	Open Dumps Inventory
Target Property	The Area Under Evaluation for this Report
RCRIS	Resource Conservation and Recovery Information System
RCRA	Resource Conservation and Recovery Act
RECs	Recognized Environmental Conditions
RCRIS	Resource Conservation and Recovery Information System
SHWS	State Hazardous Waste Site
RECs	Recognized Environmental Conditions
SWF	Solid Waste
SHWS	Hazardous Waste Site
TDS	Total Dissolved Solids
SWF	Solid Waste Facilities
USGS	United States Geological Survey
USC	United States Code

EXECUTIVE SUMMARY

This report details the scope and findings of the Phase I Environmental Site Assessment (Phase I ESA) that was conducted by Bowers Environmental Consulting, LLC (BEC) on 80.59 acres of Arizona State Trust land located in Township 15 South, Range 12 East, Section 5 in Pima County, Arizona (the "Target Property"). The Target Property is located north of W. Ajo Highway and west of S. Vahalla Road and is bisected by W. Old Tucson - Ajo Highway. The Target Property has not street address but consists of Pima County Assessor Parcel Number 210-12-0010 that is surrounded by private and State Trust land. Universal Transverse Mercator (UTM) coordinates for the corners (NE, SE, SW, NW) of the Target Property are approximately: NE latitude 32.1515553 N, longitude -111.131625 W; SE latitude 32.147830 N, longitude -111.131595 W; SW latitude 32.147831 N, longitude -111.140221; and NW latitude 32.151457, longitude -111.1402143.

The This Phase I ESA was prepared for the Tucson Trap and Skeet Club and Arizona State Land Department in accordance with the American Society of Testing and Materials (ASTM) Standard E 1527-13, Standard Practice for Environmental Site Assessments: *Phase I Environmental Site Assessment Process*, consistent with good commercial or customary practice: as defined in 42 United States Code (USC) Sec. 9601(35)(B). The scope of work includes: 1) a site reconnaissance to physically inspect the site; 2) acquisition and review of a current regulatory agency database report and historical documents that reference the Target Property and surrounding land, and 3) preparation of this Phase I ESA report.

Findings related to historic or current activities on the Target Property and adjacent areas include the following:

- The Target Property consists of 80.59 acres of undeveloped State Trust Land.
- Vehicular and pedestrian reconnaissance confirms that there is no visible evidence of past land use activities, building foundations, or other above ground facilities on the Target Property that would indicate past or current uses other than vacant, undeveloped land.
- This assessment that includes a review of regulatory agency records and historic information regarding past or current uses has revealed no evidence of historic or current RECs on the Target Property or adjacent land.

Conclusions, opinions, and recommendations related to historic or current activities on the Target Property and adjacent areas include the following:

- BEC concludes that there is no historic or current information that would indicate the release or potential release of hazardous materials or petroleum products on or near the Target Property. This conclusion is based on review of standard historical information such as aerial photographs, topographic maps, regulatory agency records, and other historical documentation that satisfies the requirements of ASTM E 1527-13 Standard.

- It is our opinion that no further studies are necessary with respect to identifying RECs on the Target Property and offer no recommendations.

1.0 INTRODUCTION

1.1 Purpose and Organization of the Report

Bowers Environmental Consulting LLC (BEC) was retained by The WLB Group on behalf of Tucson Trap and Skeet Club and the Arizona State Land Department to conduct a Phase I Environmental Site Assessment (Phase I ESA) on a parcel of State Trust land identified as Parcel 210-12-0010 that is located in Pima County, Arizona (the "Target Property"). This Phase I ESA has been prepared to conduct "all appropriate inquiry" into the previous ownership and uses of the site, consistent with good commercial or customary practice: as defined in the American Society for Testing and Materials (ASTM) Standard E1527-13. BEC conducted this Phase I Environmental Site Assessment (Phase I ESA) to identify and disclose any *recognized environmental conditions* (RECs) that may present an environmental liability or would restrict the use of the Target Property.

RECs generally include past or present hazardous conditions that may have the effect of limiting the value or use of the Target Property. The presence of RECs, particularly contaminants, may not always be apparent, and the completion of a Phase I ESA in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) requirements cannot provide a guarantee that hazardous wastes or materials do not exist at the Target Property.

The scope of work for this Phase I ESA does not constitute an audit for regulatory compliance, nor does it comprise a detailed condition survey for asbestos, lead-based paint, radon, naturally occurring materials, wetlands, or other conditions or potential hazardous materials not specifically outlined in the scope of work presented below. No below ground investigation (e.g., soil vapor extraction or intrusion, soil boring, geotechnical drilling, well sampling, etc.) was conducted, nor were environmental samples (e.g., air, water, soil, etc.) collected or analyzed as part of this Phase I ESA.

The report includes a description of the physical characteristics of the Target Property, historic site conditions, current site conditions, a review of regulatory agency records and databases, summary, and recommendations. The report has been prepared for the exclusive use of Tucson Trap and Skeet Club, ASLD and their assigns.

1.2 Scope of Services

This Phase I ESA comprises a number of individual elements whose basic nature and extent are determined in accordance with the standard of care as outlined by CERCLA 42 USC 9601(35)(B)(III) and by ASTM 1527-13. The standard of care is commonly defined as the care applied by the ordinary practitioner in the area where the Phase I ESA was performed. We believe that we have complied with the applicable standard of care in performing this Phase I ESA.

Under the scope of work, the activities performed to obtain information about the Target Property included the following:

- Site reconnaissance of the Target Property and adjacent areas on April 7, 2020, to assess current land use activities, unusual conditions (e.g., stained soils, discarded drums, storage tanks, etc.), surface drainage patterns, and a visual evidence of RECs.
- Interviews or written questionnaires with key site personnel that have knowledge of past and current activities on the Target Property.

- Review of available environmental reports and other publicly available information regarding soils, geology, and hydrology in the vicinity of the Target Property.
- Review of current regulatory reporting information obtained from Environmental Data Resources, Inc. (EDR) that includes federal, state, local and tribal regulatory databases that meet the government records search requirements for ASTM Standard E 1527-13.

1.3 Limitations and Exceptions of the AAI/Phase I ESA

This Phase I ESA report was prepared for the exclusive use of Tucson Trap and Skeet Club, the Arizona State Land Department, and their assigns. The conclusions are based solely on the information presented in this report. Additional information that was not readily available at the time of this report may result in modification of the findings and conclusions presented in sections 9 and 10.

The scope of services for this Phase I ESA intentionally does not include specific surveys for asbestos containing materials, radon, methane gas, lead in paint, lead in domestic water supply, electromagnetic energy from power lines, or the investigation or detection of the presence of any biological pollutants on or near the Target Property. The term "biological pollutants" includes, but is not limited to, molds, fungi, spores, bacteria and viruses, and the byproducts of any such biological organism. No environmental sampling, laboratory analysis or research work was included in the Phase I ESA activities unless it was specifically referenced in this report.

The findings and conclusions presented in Sections 9 and 10 of this report are based solely upon the information obtained during the Phase I ESA. Further, the conclusions include our assessment of the potential for the Target Property to have been environmentally impacted from past activities on or near the Target Property. Although the findings and conclusions represent our best judgment, they do not represent a certification of the environmental status of the Target Property.

Current conditions and information observed by BEC during this study are subject to change. Indicators of the presence of hazardous materials or petroleum products that were latent at the time of this Phase I ESA (April 23, 2020) may subsequently become observable. In a similar manner, records or other information sources that BEC did not review, because the research effort commonly associated with the Phase I ESA did not indicate their existence, may contain important information that could not have been considered in the formulation of BEC's conclusions. Information and representations obtained from the individuals interviewed for this updated Phase I ESA were relied on unless incidents of conflicting data were noted. BEC accepts no responsibility for inaccuracies or deficiencies in this Phase I ESA resulting from omissions or misrepresentations by the individual(s) interviewed.

In the event that Tucson Trap and Skeet Club or Arizona State Land Department obtains information on environmental or hazardous waste issues at the Target Property not contained in this report, such information shall be brought to BEC's attention forthwith. BEC will evaluate such information and, on the basis of this evaluation, may modify the conclusions stated in this report.

1.4 Special Terms and Conditions

For the purpose of this Phase I ESA, the following terms, referred to in the report, shall be defined as follows:

- *Target Property* – Assessor Parcel Numbers (APN) 210-12-0010 consisting of 80.59 acres of Arizona State Trust Land in Pima County, Arizona.

- *Adjoining Properties* – Any real property or properties, the border of which is contiguous or partially contiguous with that of the Property, or that would be contiguous or partially contiguous with that of the Property but for a street, road, or other public thoroughfare separating them.
- *Environment* – environment shall have the same meaning as the definition of environment in CERCLA 42 U.S.C§9601(8).
- *Release* – a release of any hazardous substance or petroleum product shall have the same meaning as the definition of "release" in CERCLA 42 U.S.C§9601(22). A release or threatened release of a hazardous substance includes any "spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping or disposing into the environment (including the abandonment of discarding of barrels, containers and other closed receptacles containing any hazardous substance or pollutant or contaminant.
- *Project Vicinity* – Refers to an approximate ½-mile radius around the Target Property.
- *Recognized Environmental Condition* – The term recognized environmental condition means 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 indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimus conditions are not recognized environmental conditions.
- *Controlled Recognized Environmental Condition* – 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 Recognized Environmental Condition* – 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 any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).
- *De Minimus Condition* – 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. Conditions determined to be de minimus are not recognized environmental conditions or controlled recognized environmental conditions.
- *Key Site Manager* – The person identified by the owner or operator of the property as having good knowledge of the uses and physical characteristics of the Property. The Key Site Manager and User have been identified as Mr. Rob Elliott.
- *Migrate/Migration* - The movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface of subsurface, and vapor in the subsurface.
- *User* – the party seeking to use this Phase I ESA. A User may include, without limitation, a potential purchaser of Property, a potential tenant of property, and owner of property, a lender, or a property manager. The User has specific obligation for completing a successful application of this Phase I ESA.

1.5 User Reliance

This Phase I ESA has been prepared by BEC on behalf of and for the exclusive use of Tucson Trap and Skeet Club (the "User") and the Arizona State Land Department (the "Owner"). The User and Owner in accordance with the current ASTM standard may request reliance on this report for additional entities. Any letters of

reliance prepared by BEC would be bound by the terms and conditions of the original Services Agreement and proposal.

2.0 DESCRIPTION OF THE TARGET PROPERTY AND VICINITY

2.1 Target Property Location and Existing Structures

The Target Property consists of 80.59 acres of private land located in Township 15 South, Range 12 East, Section 5, southeast of the Gila and Salt River Baseline and Meridian, in Pima County, Arizona (the "Target Property"). The Target Property is located on State Trust Land south of the Tucson Trap and Skeet Club, northwest of W. Ajo Highway and West of S. Vahalla Road, southwest of the City of Tucson, Arizona. The Target Property has no street address but consists of Pima County Assessor Parcel Number 210-12-0010 that is surrounded by private and State Trust land. Universal Transverse Mercator (UTM) coordinates for the corners (NE, SE, SW, NW) of the Target Property are approximately: NE latitude 32.1515553 N, longitude -111.131625 W; SE latitude 32.147830 N, longitude -111.131595 W; SW latitude 32.147831 N, longitude -111.140221; and NW latitude 32.151457, longitude -111.1402143. Figures 1 to 3 show the project location and depict the Target Property on aerial photograph and topographic map backgrounds (***Attachment A***).

No structures occur on the Target Property. However, W. Old Tucson – Ajo Highway bisects the Target Property diagonally from northeast to southwest.

2.2 Topography and Vegetation

According to the United States Geographic Service (U.S.G.S.) Brown Mountain, Arizona, 7.5-minute Topographic Quadrangle, the landform consists of a vast floodplain that slopes from 2,440 feet above mean sea level (amsl) near the southeastern corner to 2,390 ft. amsl near the northwest corner of the Target Property. Several large ephemeral drainages cross the site from southeast to northwest following the topography that tilts generally towards the northwest. Similarly, groundwater flow direction is expected to follow the general landform towards northwest. Field reconnaissance confirmed the flat nature of the Target Property, as no hills or significant elevation changes were observed.

Native vegetation on the Target Property and surrounding land consists of Sonoran Desertscrub, which occurs around 3,000 feet amsl in the Basin and Range physiographic province (Brown 1984). Dominant plants included creosotebush (*Larrea tridentate*), Mesquite (*Prosopis velutina*), paloverde (*Cercidium microphyllum*), saguaro cactus (*Carnegiea gigantea*), barrel cactus (*Ferocactus wislizeni*), cholla and prickly pear cactus (*Opuntia spp.*). Vegetation coverage over much of the Target Property is relatively simple and open, with very little canopy coverage except along the ephemeral washes that form ribbons of dense tree coverage that is limited to the immediate margins of the drainages. Numerous annuals were observed, but very little, if any, grass species occur on the Target Property.

2.3 Geology and Climate

The Target Property is located in southeastern extent of the Avra Valley that lies within the Basin and Range physiographic province as depicted on the Brown Mountain 7.4' USGS quadrangle Map. This area consists of alternating northwest-trending mountain ranges that surround flat alluvial-filled basins, most of which were formed by block faulting during the last part of the Cenozoic Era, five to fifteen million years ago. The Avra Valley is a broad alluvial basin bounded to the east by the Tucson Mountains, to the northwest by the Silverbell Mountains, to the west by Dobbs Buttes, and to the south by the Sierrita Mountains. The basin floor

is underlain by unconsolidated to indurated sedimentary deposits of Tertiary and Quaternary ages. The primary sedimentary unit underlying the project area is the Fort Lowell Formation of Pleistocene age. The Fort Lowell Formation consists primarily of clayey silts interbedded with sands and gravels. The project area occurs approximately 5 miles southwest of the Tucson Mountains and 12 miles north of the Sierrita Mountains, where ephemeral drainages that cross the project area originate. These ephemeral drainages cross the project area and flow within a vast floodplain into ephemeral tributaries of Black Wash, which connects with Brawley Wash that drains north through the center of Avra Valley.

Soils on the Target Property are comprised of material generated from the surrounding mountains and are generally described as well drained, moderately alkaline, floodplain soils. ***Table 1*** provides a description of the soil types that occur on the Target Property.

TABLE 1. DESCRIPTION OF SOIL TYPES THAT OCCUR ON THE TARGET PROPERTY

Soil Component Name	Description
Anthony Fine Sandy loam (37.2%)	Very deep, well drained soils formed on stratified alluvium. Anthony soils are on floodplains and have slopes from 0 to 3 percent. Consists of coarse loamy, mixed, superactive, calcareous, thermic Typic Torrifluvents.
Bucklebar-Sahuarita Complex (18%)	Occurs on gently sloping fan terraces with slopes of 1 to 5 percent. These soils have high available water availability and moderate permeability. They are mildly to moderately alkaline, non-calcareous in the surface layer and calcareous in the subsoil and underlying material. Runoff is medium and the hazard of erosion is moderate.
Hantz loam (7.8%)	Hants soils occur on floodplains and alluvial fans with slopes of 0 to 4 percent. These soils have high available water capacity and very slow permeability. They are moderately to strongly alkaline and calcareous throughout the profile. Runoff is medium and the hazard of erosion is moderate.
Tuubac Sandy Loam (40.9%)	Tubac soils are on fan terraces with slopes from 0 to 5 percent. These soils have high available water capacity and slow permeability. They are medium acid to neutral in the surface layers and moderately alkaline in the subsoil stratum. This soil type is usually non-calcareous in the surface and upper subsoil but become calcareous below about 20 inches. Runoff is slow and the hazard of erosion is slight.

2.4 Surface Water Hydrology

As described in Section 2.2 surface water hydrology in the region is directly influenced by topography, which promotes drainage generally towards the northwest. The Target Property and surrounding lands are semi-arid and the soils are well-drained, so ephemeral drainage flows only in response to significant precipitation events. Drainage in the region flows into Black Wash, which all reports downstream to Brawley Wash and eventually the Santa Cruz River north of the Target Property.

2.5 Ground Water Hydrology

Groundwater data from the U.S. Geographical Society (USGS) is provided in the EDR database report. This information includes registry for wells located within 1-mile of the Target Property. There are 8 wells recorded within 1-mile of the Target Property. These records are incomplete, but several wells are listed as 550 feet deep with the water surface elevation at 400 ft. below the ground surface. General groundwater flow direction as inferred from the topography is expected to be towards the northwest.

3.0 HISTORIC SITE CONDITIONS

A variety of ASTM-recognized sources and additional information sources regarding the Target Property were reviewed to determine historical use and current use of the Target Property and adjacent properties. These sources include historic topographic maps and aerial photographs, regulatory agency records, other public documents that provide a history of activities that have occurred on the Target Property and vicinity.

3.1 Aerial Photograph Review

BEC reviewed a series of historical aerial photographs of the Target Property and adjacent lands provided by EDR, Inc. on April 21, 2020 for the years 1936 to 2017. These photographs were reviewed to visually identify, to the extent practicable, historical land uses and other activities on the Target Property and vicinity. A continuous five-year interval of historical photographs was not available. This data-gap, however, is not considered significant to the historical use record of the Target Property, which is undeveloped private land. ***Table 2*** provides a summary of the aerial photograph review and copies of the historical aerial photographs that are provided in ***Appendix B***.

TABLE 2. HISTORICAL AERIAL PHOTOGRAPH INTERPRETATION

Date of Aerial Photograph	Observations
Photo Date: February 26, 1936 Source: SCS Scale: 1”=500 ft.	This photograph shows that W. Old Tucson-Ajo Highway in its present location diagonally crossing the Target Property. All surrounding land is undeveloped. No structures are evident on this photograph, and there is no visible evidence of RECs on the Target Property or vicinity.
Photo Date: February 19, 1956 Source: USGS Scale: 1”=500 ft.	This photograph shows an anomaly near the northeast corner of the Target Property. This anomaly consists of a white oval that may be a pit or lagoon or borrow area. All surrounding land is undeveloped. No built structures are evident on this photograph, and there is no visible evidence of RECs on the Target Property or vicinity.
Photo Date: May 5, 1966 Source: USGS Scale: 1”=500 ft.	This photograph does not show the anomaly near the northeast corner of the Target Property. The anomaly could have been development error on the photograph. All surrounding land is undeveloped. No built structures are evident on this photograph, and there is no visible evidence of RECs on the Target Property or vicinity.
Photo Date: September 19, 1979 Source: USGS Scale: 1”=1000 ft.	This photograph has low resolution; however, it shows that the Target Property and surrounding land is undeveloped. There is no visible evidence of RECs can be identified on this photograph.
Photo Date: June 24, 1983 Source: USDA Scale: 1”=500	This photograph shows the Tucson Trap and Skeet Club along the north side of the Target Property. Surrounding lands are undeveloped. No built structures are evident on this photograph, and there is no visible evidence of RECs on the Target Property or vicinity.
Flight Date: October 28, 1990 Source: USGS Scale: 1”=500 ft.	This photograph shows the same conditions as the 1983 photograph. There is no visible evidence of built structures or other features on the Target Property or surrounding land that might be considered RECs.

TABLE 2. HISTORICAL AERIAL PHOTOGRAPH INTERPRETATION

Date of Aerial Photograph	Observations
Flight Date: May 16, 1992 Source: USGS/DOQQ Scale: 1”=500 ft.	This photograph shows the same conditions as the 1990 photograph. There is no visible evidence of built structures or other features on the Target Property or surrounding land that might be considered RECs.
Flight Date: May 16, 2003 Source: USDA/NAIP Scale: 1”=750 ft.	This photograph has poor resolution but shows the same conditions as the 1992 photograph. There is no visible evidence of built structures or other features on the Target Property or surrounding land that might be considered RECs.
Flight Date: 2007 Source: USDA/NAIP Scale: 1”=500 ft.	This photograph shows the same conditions as the 2003 photograph. There is no visible evidence of built structures or other features on the Target Property or surrounding land that might be considered RECs.
Flight Date: 2010 Source: Google Earth Scale: 1”=500 ft.	This photograph shows the same conditions as the 2007 photograph. There is no visible evidence of built structures or other features on the Target Property or surrounding land that might be considered RECs.
Flight Date: 2013 Source: Google Earth Scale: 1”=500 ft	This photograph shows the same general conditions as the 2010 photograph. The Tucson Trap and Skeet Club has expanded. There is no visible evidence of built structures or other features on the Target Property or surrounding land that might be considered RECs.
Flight Date: 2017 Source: Google Earth Scale: 1”=500 ft	This photograph shows the same general conditions as the 2013 photograph. The Tucson Trap and Skeet Club has expanded. There is no visible evidence of built structures or other features on the Target Property or surrounding land that might be considered RECs.

3.2 Topographic Map Review

The purpose of the topographic map review is to identify, if possible, past land uses and other activities that were present on the Target Property and on adjacent lands. BEC reviewed U.S. Geological Survey (USGS) topographic maps of the Target Property and vicinity for the years 1968, 1992, 2011, and 2018 that were obtained from the USGS on-line database available through the topoView website (***Appendix B***).

Based on the prior map review, the Target Property appears to be undeveloped, as no symbols representing built structures or industrial facilities were observed on or near the Target Property. Summary comments of the topographic map interpretation are presented in ***Table 3***.

TABLE 3. SUMMARY OF HISTORICAL TOPOGRAPHIC MAP INTERPRETATION

Map Information	Observations
Year: 1968 Quad Name: Brown Mountain, Arizona Series 7.5-minute Scale: 1:24,000	This map depicts the Target Property and surrounding geographical features. W. Old Tucson-Ajo Highway is evident on the map, but there are no visible indicators of other human-built structures that would indicate industrial activities or other activities that could release hazardous materials into the environment. No develop is evident on adjacent properties.

TABLE 3. SUMMARY OF HISTORICAL TOPOGRAPHIC MAP INTERPRETATION

Map Information	Observations
Year: 1992 Quad Name: Brown Mountain, Arizona Series 7.5-minute Scale: 1:24,000	This map depicts the Target Property and surrounding geographical features. Structures associated with the Tucson Trap and Skeet Club are evident, but there are no visible indicators of other human-built structures on the Target Property that would indicate industrial activities or other activities that could release hazardous materials into the environment. No develop is evident on adjacent properties.
Year: 2011 Quad Name: Brown Mountain Arizona Series 7.5-minute Scale: 1:24000	This map shows the general topography on the Target Property. There are no visible indicators of other human-built structures on the Target Property that would indicate industrial activities or other activities that could release hazardous materials into the environment. No develop is evident on adjacent properties.
Year: 2018 Quad Name: Brown Mountain, Arizona Series 7.5-minute Scale: 1:24000	This map shows the general topography on the Target Property. There are no visible indicators of other human-built structures on the Target Property that would indicate industrial activities or other activities that could release hazardous materials into the environment. No develop is evident on adjacent properties.

3.3 Recorded and Public Documents

Public records, such as City Directory and Sanborn Fire Insurance Maps, may be used to satisfy the historic research requirement of the ASTM E1527-13 Standard. These historic documents may provide an insight into to the past use and occupancy of a parcel of real estate based on publicly recorded and archived data. A city directory is a listing of residents, streets, businesses, organizations, or institutions, giving their location in a city. The Sanborn Fire Insurance Maps were originally created for assessing fire insurance information regarding town and building information in over 12,000 U.S. towns and cities from 1867 to 2007. Sanborn maps include outlines of buildings and outbuildings, the location of windows and doors, street names, street and sidewalk widths, property boundaries, fire walls, natural features (rivers, canals, etc.), railroad corridors, building use (sometimes even particular room use), house and block number, as well as the composition of building materials including framing, flooring, and roofing materials, the strength of local fire department, indications of sprinkler systems, locations of fire hydrants, location of water and gas mains and even the names of most public buildings, churches and companies.

Due to the rural nature of the Target Property and review of other historical documents indicating no structures have ever been built, a City Directory search was not conducted. Sanborn maps were provided by EDR as part of the standard database research. Results of the Sanborn map review is described below.

Sanborn Fire Insurance Maps: Because the Target Property is located in a historically rural area, there is only a remote likelihood that Sanborn maps covering the Target Property exist. However, in order to satisfy the ASTM historical search requirements, BEC requested and reviewed the Certified Sanborn Map Report (CSMR) provided by EDR (***Appendix B***). The CSRM includes the results of a certified search of the complete holdings of the Sanborn Library, LLC collection for the Target Property. Fire insurance maps covering the Target Property were not found.

3.4 Existing Environmental Reports

No existing environmental reports were reviewed as part of this Phase I ESA.

3.5 Historical Summary

Aerial photography and historical topographic maps dating from 1936 indicate the visible evidence of the past and current use of the Target Property and adjacent lands. These historical documents confirm the Target Property consist of undeveloped land. Furthermore, there is no visible evidence on the historic topographic maps and aerial photographs that would indicate the manufacture, storage, use, or disposal of hazardous materials or waste on the Target Property or adjacent land.

Sanborn fire insurance maps provided by EDR did not reveal any historic records or other information that would indicate the presence of any historic or existing RECs at the Target Property or vicinity. Further, no records of environmental liens or recorded activity, and land use limitations were revealed by the regulatory database records research by EDR.

4.0 CURRENT SITE CONDITIONS

Rion Bowers conducted a reconnaissance of the Target Property on April 7, 2020. Representative photographs of the Target Property, and adjacent areas were recorded to document the current visible condition of the Target Property and adjacent areas. A summary of the reconnaissance is provided in the Section 4.1 and photographs showing the condition of the Target Property, items of concern and any RECs are provided in ***Appendix C***.

4.1 Target Property Reconnaissance

The reconnaissance consisted of a vehicular and pedestrian survey to accessible portions of the Target Property and adjacent lands, to search for visible evidence of RECs. During the reconnaissance, Mr. Bowers drove along W. Old Ajo Highway and hiked through the interior of Target Property to search for visible evidence of cleared areas, built structures or other indications of other past activities that may have resulted in the release of hazardous materials or petroleum products into the environment. He also accessed the Target Property from the north through the Tucson Trap and Skeet Club property.

The following conditions were observed during reconnaissance of the Target Property:

- The Target Property consists of flat ground with open vegetation structure, and ephemeral drainages that cross from southeast to northwest.
- Portions of the Target Property are fenced, and there are several open gates along the northern property boundary with the Tucson Trap and Skeet Club.
- Adjacent land use consists of the Tucson Trap and Skeet Club along the northern boundary of the Target Property, W. Old Tucson-Ajo Highway bisects the site, and W. Ajo Highway is near the southeastern corner of the Target Property. The alignment for S. Vahalla Road is located along the eastern boundary of the Target Property.
- A few discarded tires and various household or construction debris was noted on the Target Property.
- No visible evidence of surface staining, underground fill pipes, above or underground storage tanks, or other signs of RECs was observed on the Target Property or adjacent land during the reconnaissance.

4.2 Adjacent Area Reconnaissance

Adjacent areas were viewed from the accessible portions along the perimeter of the Target Property during the site reconnaissance, and also on aerial photographs and topographic maps (Section 3.0). These observations confirm the findings from the aerial photograph review that surrounding lands adjacent to and

within the vicinity of the Target Property consist of the existing trap and skeet range facility and undeveloped land. Due to the remote nature of the area, it is unlikely any industrial facilities or similar activities have manufactured, treated, or disposed of hazardous materials on the Target Property or adjacent lands. No landfills were observed during the reconnaissance, or on aerial photos or topographic maps of the Target Property. A description of the adjacent areas is provided in ***Table 4***.

Table 4. Adjacent Area Land Use Descriptions

Direction	Land Use	Notes
North	Developed Private Land	The property to the north of the Target Property is occupied by the Tucson Trap and Skeet Club recreational shooting facility. This facility consists of administrative and maintenance facilities, RV parking areas, and shooting range facilities.
East	Undeveloped State Trust Land	The property to the east is undeveloped, native desert.
South	Undeveloped State Trust Land	Except for W. Old Tucson-Ajo Highway and W. Ajo Way, the property to the south is undeveloped.
West	Undeveloped Private Land	The area west of the Target Property consists of undeveloped private land owned by the Tucson Airport Authority.

5.0 INTERVIEWS

BEC submitted Owner and User questionnaires to The WLB Group for distribution to the landowner/manager, and User of the Phase I ESA that may have knowledge of current and past activities on all or portions of the Target Property. For the purpose of this Phase I ESA all individuals interviewed are considered "key site personnel." ***Table 5.*** lists the key site personnel that provided responses on the questionnaires for this Phase I ESA and a copy of the completed questionnaires are provided in ***Appendix D***.

TABLE 5. LIST OF KEY SITE PERSONNEL AND DATE OF INTERVIEW OR RESPONSE TO QUESTIONNAIRE

Key Site Personnel	Title / Responsibility	Owner/User Form	Questionnaire Response Date
Michael Braeglemann	Tucson Trap and Skeet Club, Inc.	User	April 6, 2020
Bruce Campbell	Arizona State Land Department	Owner	April 9, 2020

Results of the questionnaires provided to the key site personnel indicate:

- Current zoning restrictions prohibit residential development on the Target Property.
- There are no known activity use limitations or environmental liens recorded against the property.
- No information was provided regarding knowledge of the manufacture, treatment, storage or disposal of hazardous materials on the Target Property.
- No information was provided regarding any past land use activities that would result in the release of hazardous materials or petroleum products on the Target Property.
- Questionnaire responses do not indicate potential RECs on the Target Property from past or current uses of the property.

6.0 USER PROVIDED INFORMATION

6.1 Purpose of this AAI/Phase I ESA

The stated reason for this Phase I ESA is to support the environmental due diligence process for a real estate transaction.

6.2 Commonly Known and Reasonably Ascertainable Information

No information was identified by BEC, or provided by the User or Owner, regarding commonly known and reasonably ascertainable information.

6.3 Property Value Comparison

The User indicated that the transaction represented fair market value but did not disclose the value of the Target Property or any comparison of land values in the immediate area.

6.4 Specialized Knowledge of the User

According to the information provided in the User Questionnaire completed by Mr. Braegelmann, he does not have any specialized knowledge related to potential contamination of the Target Property.

6.5 Land Title Records

A title report for Target Property has not been reviewed by BEC. However, it is known that the property has been owned/managed by the same entity for at least 50 years.

6.6 Environmental Liens or Activity and Use Limitations

Other than zoning restrictions to exclude residential development of the Target Property, the current Owner and User did not reveal to BEC any environmental liens, activity use limitations, or regulatory encumbrances that would additionally impair use of the Target Property.

7.0 REGULATORY AGENCY RECORDS REVIEW

BEC obtained and reviewed a current Radius Map Report (RMR) with GeoCheck from Environmental Data Resources, Inc. (EDR) dated April 21, 2020. The RMR provides the results of industry standard regulatory database research of available environmental records for the Target Property and vicinity. This database search was conducted in accordance with the search requirements of EPA Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), and ASTM Standard E1527-13.

BEC reviewed over 100 separate database records from federal, state, and local regulatory authorities and Tribal entities that were researched by EDR. Results of this search indicate:

- The Target Property and adjacent land is not listed on any of the regulatory databases that were searched by EDR.
- No mapped sites were identified in EDR's search of available ("reasonably ascertainable") government records either on the Target Property or within the search radius around the Target Property.
- The RMR did not identify any orphan sites due to incomplete locality information.

Section 7.1 lists all of the databases, including all of the federal and state Standard Environmental Records as defined in Section 8.2.1 of ASTM Standard Practice E1527-13, that were searched by EDR. A copy of the current RMR that includes the complete list of agency records that were searched by EDR is included in ***Appendix E***.

7.1 Standard Environmental Record Sources

The regulatory agency database search was conducted in accordance with the current ASTM standard search requirements. The ASTM-required search radius was adjusted to accommodate the size and shape of the Target Property, and to eliminate any margin of error. ***Table 6*** lists all standard and EDR proprietary database records that were searched for the Target Property and surrounding areas. Mapped sites are emphasized in the table with bold text.

TABLE 6. SUMMARY OF EDR DATABASE RECORDS SEARCH

Database	ASTM Search Distance (miles)	Number of Sites/Map ID+
Federal ASTM Standard Environmental Record Sources		
National Priority List (NPL)	1.0	0
Proposed NPL	1.0	0
NPL Liens	0.001	0
Delisted NPL	1.0	0
RCRA Corrective Action Report (CORRACTS)	1.0	0
SEMS-ARCHIVE	0.5	0
Department of Defense Sites (AZ DOD)	0.50	0
RCRA Treatment, Storage, Disposal (RCRA-TSDF)	0.50	0
Large Quantity Generator (RCRA-LQG)	0.25	0
RCRA Small Quantity Generators (RCRA SQG)	0.25	0
Emergency Response Notification System (ERNS)	0.001	0
State ASTM Standard Environmental Record Sources		
Water Quality Assurance Revolving Fund Sites (AZ WQARF)	1.0	0
Superfund Program List (SPL)	1.0	0
Directory of Solid Waste Facilities / Land Fill Sites (SWF/LF)	0.5	0
Leaking Underground Storage Tank Listing (LUST)	0.50	0
Registered Underground Storage Tank listing (UST)	0.125	0
Brownfields / Voluntary Remediation Program Sites (VCP)	0.5	0
Additional Federal and State Environmental Records Sources		
CIRCLA Lien Information (LIENS 2)	0.001	0
RCRA Non Generator (RCRA-NonGen)	0.25	0
Conditionally Exempt Small Quantity Generator (RCRA-CESQG)	0.25	0
Engineering Controls Sites List (US Engineering Controls)	0.50	0
Sites with Institutional Controls (US Institutional Controls)	0.50	0
Hazardous Materials Information Reporting System (HMIRS)	0.001	0
Department of Transportation DOT OPS	0.001	0
Clandestine Drug Labs (US CDL)	0.001	0
Clandestine Drug Labs (CLD)	0.001	0
US Historic CLD (US HIST CDL)	0.001	0
US Brownfields List (federal)	0.50	0
FUASRAP	1.0	0
UXO	1.0	0
DOCKET HWC	0.001	0

Database	ASTM Search Distance (miles)	Number of Sites/Map ID+
Enforcement	TP	0
FULES PROGRAM	0.25	0
ECHO	0.001	0
EMAP	0.001	0
Federal Department of Defense Sites (DOD)	1.0	0
Land Use Information Systems (LUCIS)	0.50	0
Superfund (CERCLA) Consent Decrees (CONSENT)	1.0	0
Record of Decision (ROD)	1.0	0
Uranium Mill Tailing Sites (UMTRA)	0.50	0
Illegal Dump Site Locations (DEBRIS Region 9)	0.50	0
Open Dump Inventory (ODI)	0.50	0
Mines Master Index File (US MINES)	0.25	0
Abandoned Mines	TP	0
Toxic Chemical Release Inventory System (TRIS)	0.001	0
Toxic Substance Control Act (TSCA)	0.001	0
Facility Index System (FINDS)	0.001	0
FIFRA/TSCA Tracking System (FTTS)	0.001	0
FIFRA/TSCA Administrative Case Listing (HIST FTTS)	TP	0
Section 7 Tracking System (SSTS)	0.001	0
Integrated Compliance Information System (ICIS)	0.001	0
PCB Activity Database System (PADS)	0.001	0
Medical Licensing Tracking System (MLTS)	0.001	0
Radiation Information Database (RADINFO)	0.001	0
RCRA Administrative Action Tracking System (RAATS)	0.001	0
Risk Management Plans (RMP)	0.001	0
Coal Combustion Residues Surface Impoundments List (Coal Ash EPA)	0.50	0
State Coalition for Remediation of Drycleaners (SCRD Dry Cleaners)	0.50	0
PCB Transformer Registration Database (PCB TRANSFORMER)	0.001	0
Federal Facility Site Information Listing (FEDERAL FACILITY)	0.50	0
SEMS	0.050	0
U.S. Financial Assurance Information (US FIN ASSUR)	0.001	0
EPA Watch List	0.001	0
FUDS	1.0	0
Potentially Responsible Party (PRP)	0.001	0
2020 Corrective Action Program List (2020 COR ACTION)	0.25	0
Steam-Electric Plant Operation Data (Coal Ash DOE)	0.001	0
Underground Storage Tank Listing (FEMA UST)	0.25	0
Lead Smelters	0.001	0
U.S. Airs Database	0.001	0
Financial Assurance	0.001	0
AZ NPL	1.0	0
Waste Water Treatment Facility with Aquifer Protection Permit (AQUIFER)	0.001	0
Waste Water Treatment Facility (WWFAC)	0.50	0
State Hazardous Waste (SHWS)	1.0	0
Underground Injection Control Well (UIC)	0.001	0
Solid Waste Tire Facilities (SWTIRE)	0.50	0
Above Ground Storage Tank Listing (AST)	0.25	0
Facility and Manifest Data (MANIFEST)	0.25	0

Database	ASTM Search Distance (miles)	Number of Sites/Map ID+
Hazardous Materials Logbook (SPILLS)	0.001	0
SPILLS 90	0.001	
DEUR Database (AUL)	0.5	0
Drycleaner Facility Listing (DRYCLEANERS)	0.25	0
Brownfields Tracking System (BROWNFIELDS)	0.50	0
Remediation and DEUR/VEMUR Tracking System (AZURITE)	0.50	0
Dry Wells Registration (Dry Wells)	0.001	0
Arizona Airs Database (AIRS)	0.001	0
Tribal Environmental Record Sources		
Indian Reservations	0.001	0
Indian ODI (Open Dumps)	0.50	0
Indian LUST	0.50	0
Indian UST	0.25	0
Indian VCP (Voluntary Cleanup)	0.05	0
EDR Proprietary Records		
Proprietary Manufactured gas plants (EDR MGP)	1.0	0
Exclusive Historic Gas Stations (EDR US Hist Auto Stat)	0.125	0
Exclusive Historic Dry Cleaners (EDR US Hist Cleaners)	.0125	0
EDR MPG	1.0	0
EDR Recovered Government Archives		
Recovered Government Archive (RGA) Land Fill List	0.001	0
RGA Hazardous Waste Facility List	0.001	0
RGA LUST	0.001	0

*TP: Target Property

7.2 Mapped Site Summary

No mapped sites for the property or adjacent properties were identified in the RDR. No reported hazardous materials incidents or any violations regarding the storage, treatment or disposal of hazardous materials or petroleum products have been reported for the property.

8.0 DATA FAILURES AND GAPS

All historical records were not available for sequential 5-year intervals. Intervals for historical topographic maps and aerial photographs in some instances exceeded the 5-year intervals, however topographic map coverage dates back to 1936 and the topographic maps date back to 1968. This is not considered a significant data gap, due to the historic rural nature of the area and visible history that indicates that the Target Property is undeveloped. A City Directory search was not conducted, but other historical records also provide information as to the historical uses on the Target Property for the missing photographic intervals.

9.0 FINDINGS

BEC has performed Phase I ESA in accordance with the scope of work outlined in Chapter 2 that is consistent with the requirements of “all appropriate inquiry” into the previous ownership and uses of the site, consistent with good commercial or customary practice: as defined in 42 United States Code (USC) Sec. 9601(35)(B) and ASTM Standard E 1527-13.

Findings related to historic or current activities on the Target Property and adjacent areas include the following:

- The Target Property consists of 80.59 acres of undeveloped State Trust Land.
- Vehicular and pedestrian reconnaissance confirms that there is no visible evidence of past land use activities, building foundations, or other above ground facilities on the Target Property that would indicate past or current uses other than vacant, undeveloped land.
- This assessment that includes a review of regulatory agency records and historic information regarding past or current uses has revealed no evidence of historic or current RECs on the Target Property or adjacent land.

10.0 CONCLUSIONS, OPINIONS, RECOMMENDATIONS

Conclusions, opinions, and recommendations related to historic or current activities on the Target Property and adjacent areas include the following:

- BEC concludes that there is no historic or current information that would indicate the release or potential release of hazardous materials or petroleum products on or near the Target Property. This conclusion is based on review of standard historical information such as aerial photographs, topographic maps, regulatory agency records, and other historical documentation that satisfies the requirements of ASTM E 1527-13 Standard.

- It is our opinion that no further studies are necessary with respect to identifying RECs on the Target Property and offer no recommendations.

11.0 PREPARER INFORMATION

Mr. Bowers has over 25 years of experience as an Environmental Professional. He has completed numerous Phase I ESA studies, supervised several Phase II site characterizations, and has coordinated the cleanup of contaminated surface soils and removal of drums containing petroleum products and hazardous materials at various project sites in Arizona, California, Nevada, Texas and elsewhere. He prepared this Phase I ESA in accordance with the standard practices and methods described by 42 United States Code (USC) Sec. 9601(35)(B) and ASTM 1527-13, the Scope of Services presented in Section 1.2 and the limitations outlined in Section 1.3 above. His Environmental Professional Statement and signature are provided below. A copy of his professional resume is attached as ***Appendix F***.

I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR 312.

I have the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the Target Property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared by: _____

Rion Bowers, President
Bowers Environmental Consulting, LLC

12.0 REFERENCES

ADWR 2009	Arizona Department of Water Resources. 2009. Arizona Water. Accessed April 10, 2020 at: http://www.azwater.gov/AzDWR/StatewidePlanning/WaterAtlas/
Brown 1994	Brown, David E. 1994. Biotic Communities: Southwestern United States and Northwestern Mexico. University of Utah Press.
Hendricks 1985	Hendricks, David M. 1985. Arizona Soils. Chapter 7 Description of the Mapping Units of the Arizona General Soil Map. College of Agriculture, University of Arizona, Tucson, Arizona. Accessed August 10, 2009, [web page] at: http://southwest.library.arizona.edu/azso/body.1_div.7.html
Web Soil Survey 2020	http://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx

APPENDIX A
FIGURES

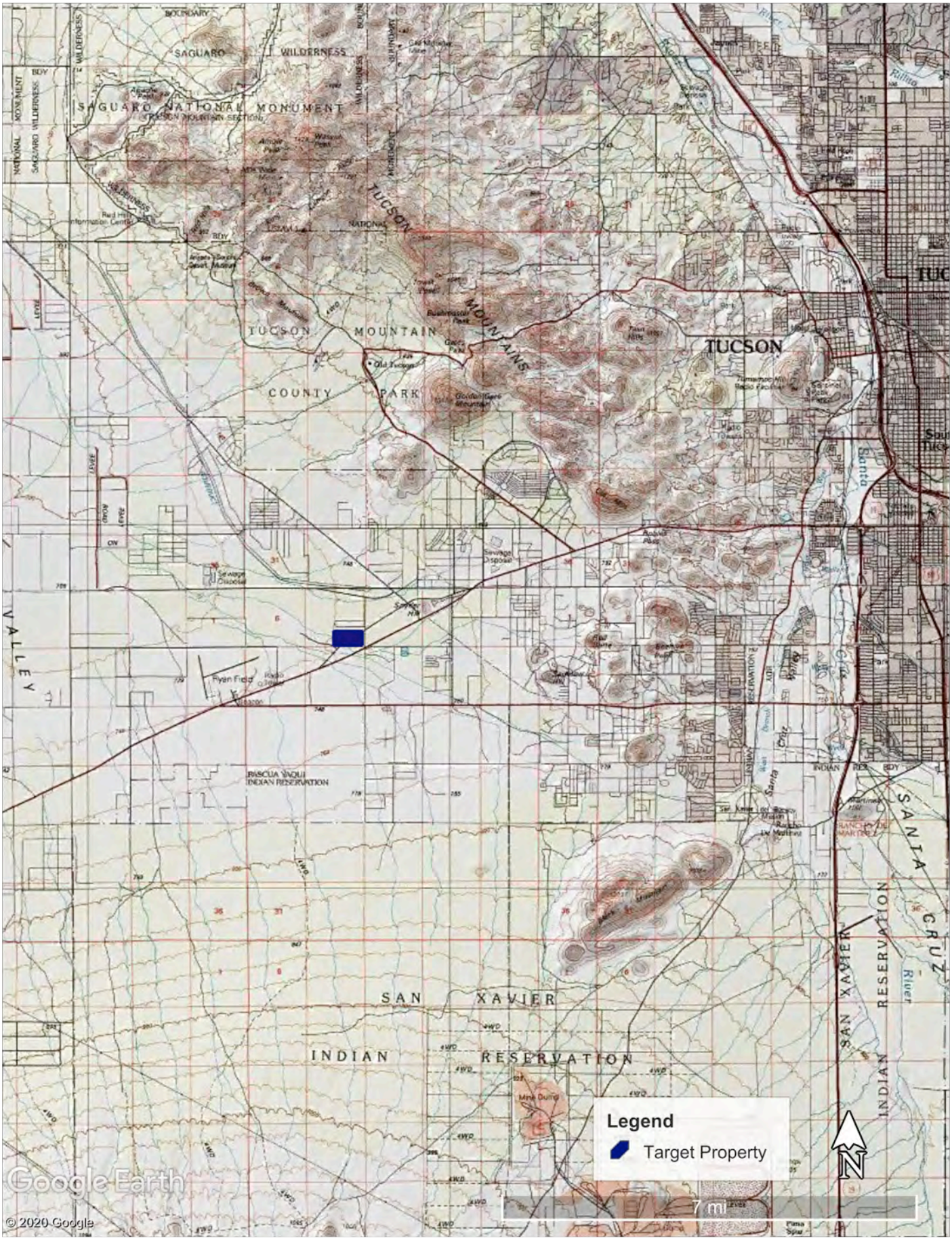

Figure 1. Target Property Location Map

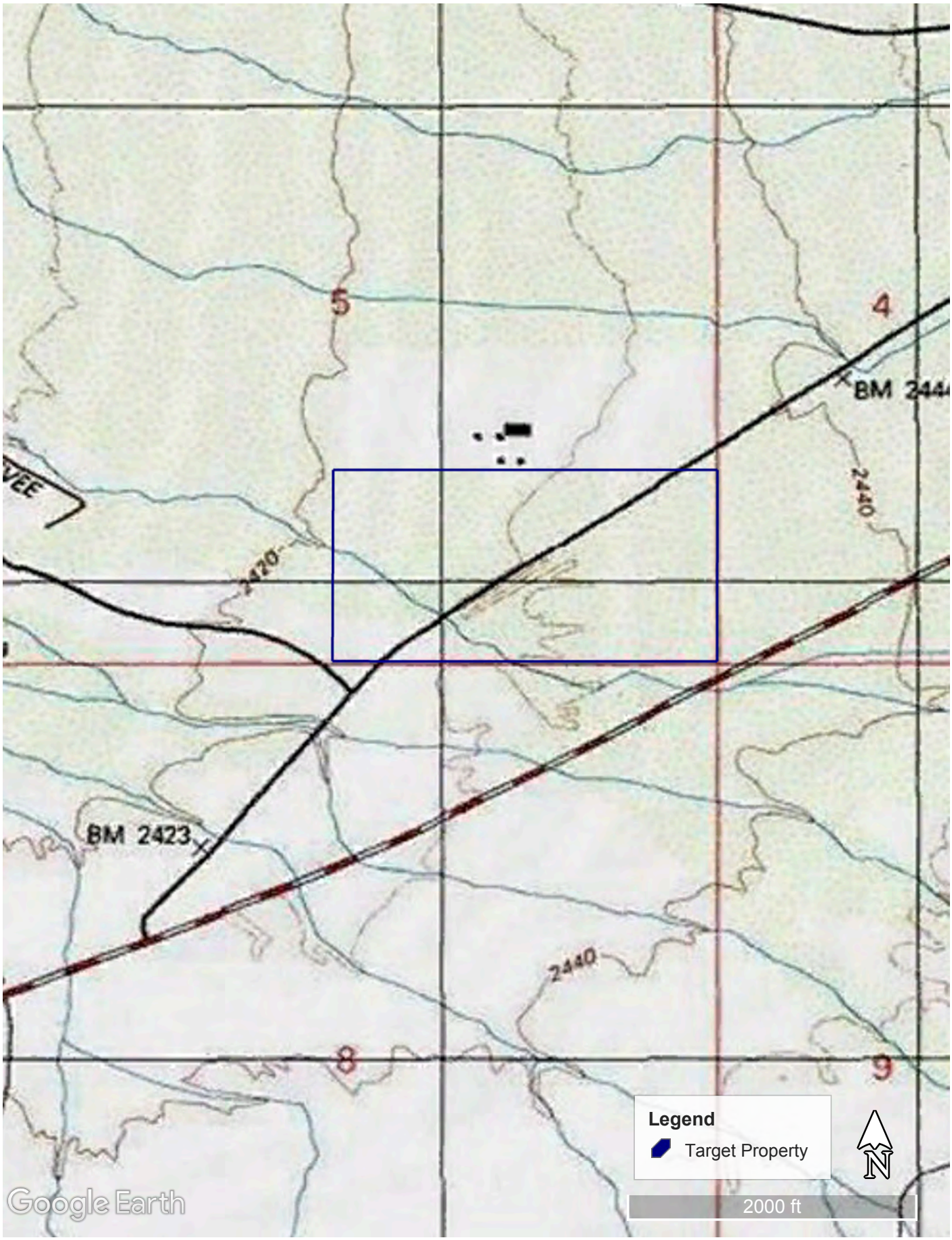

Figure 2. Target Property Topographic Map

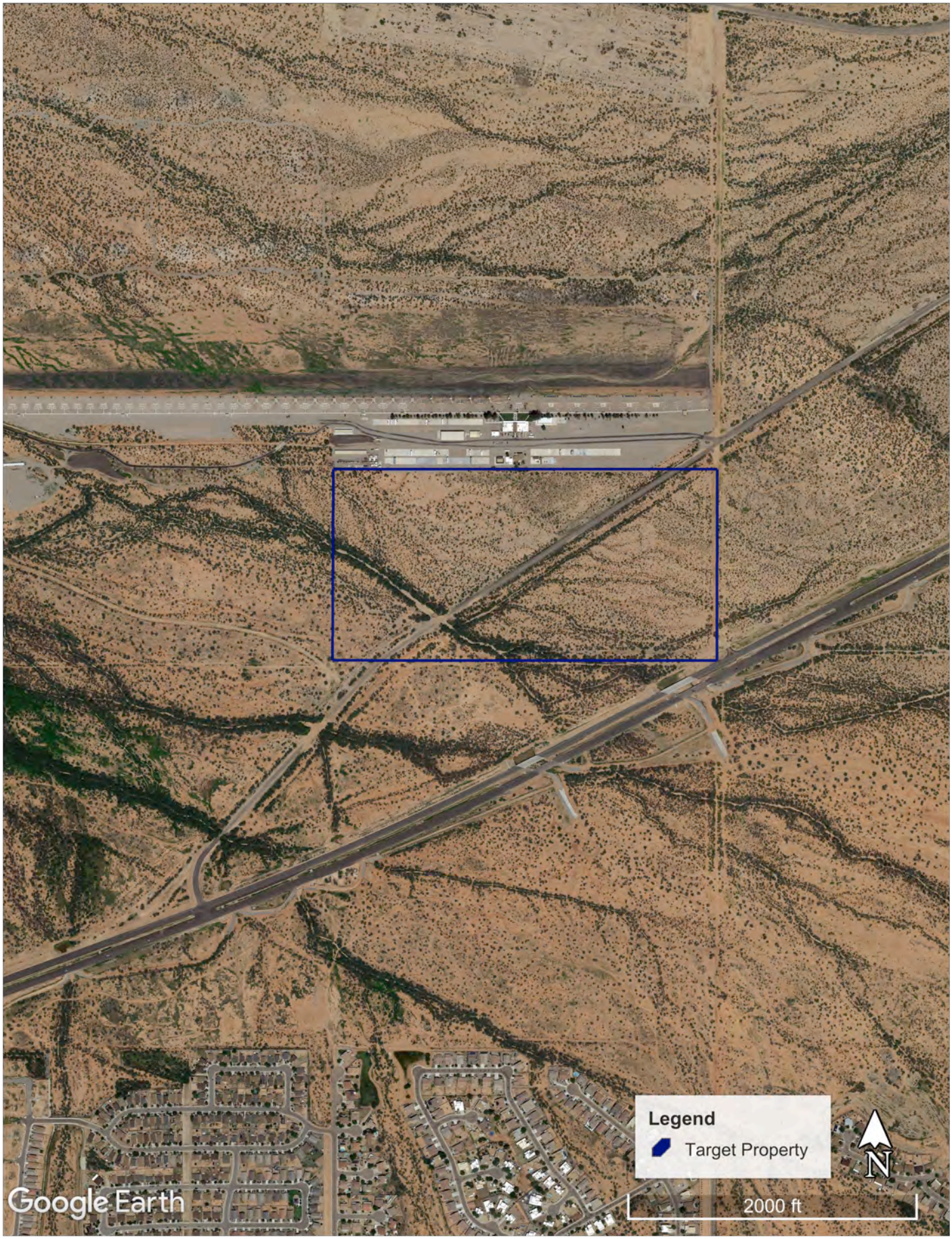

Figure 3. Target Property Aerial Overview Map

APPENDIX B
HISTORICAL INFORMATION SOURCES
(Aerial Photographs, Topographic Maps, Sanborn Map Report**)**

Tucson Trap and Skeet Phase I ESA

W. Old Ajo Highway

Tucson, AZ 85735

Inquiry Number: 6045193.5

April 21, 2020

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

04/21/20

Site Name:

Tucson Trap and Skeet Phase
W. Old Ajo Highway
Tucson, AZ 85735
EDR Inquiry # 6045193.5

Client Name:

Bowers Environmental Consulting
4502 W. Ironwood Hill Drive
Tucson, AZ 85745
Contact: Rion Bowers

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	*Scale*	*Details*	*Source*
2017	1"=500'	Flight Year: 2017	USDA/NAIP
2013	1"=500'	Flight Year: 2013	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2007	1"=500'	Flight Year: 2007	USDA/NAIP
2003	1"=750'	Flight Date: September 16, 2003	USGS
1992	1"=500'	Acquisition Date: May 16, 1992	USGS/DOQQ
1990	1"=500'	Flight Date: October 28, 1990	USGS
1983	1"=500'	Flight Date: June 24, 1983	USDA
1979	1"=1000'	Flight Date: September 19, 1979	USGS
1966	1"=500'	Flight Date: May 05, 1966	USGS
1956	1"=500'	Flight Date: February 19, 1956	USGS
1936	1"=500'	Flight Date: February 26, 1936	SCS

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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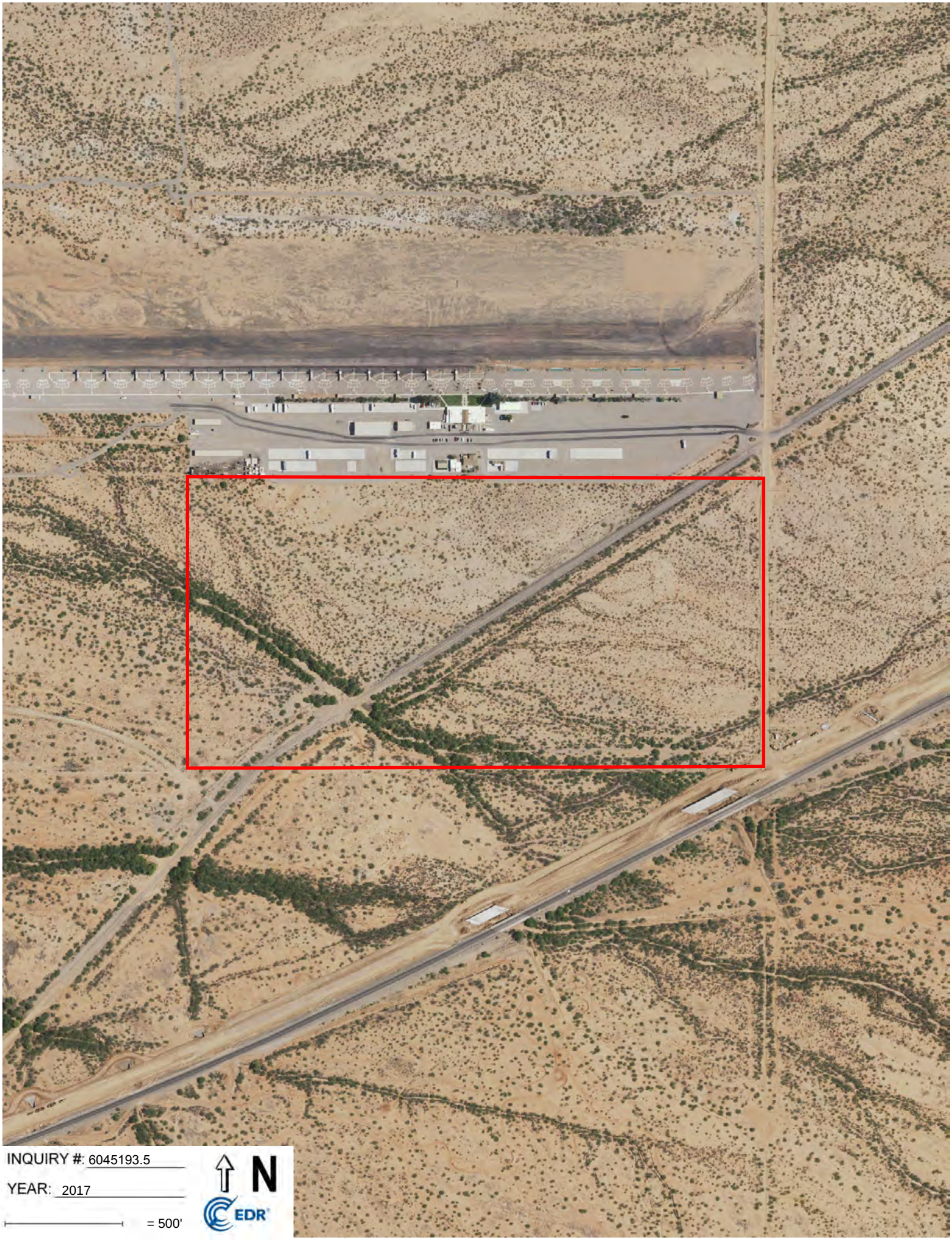
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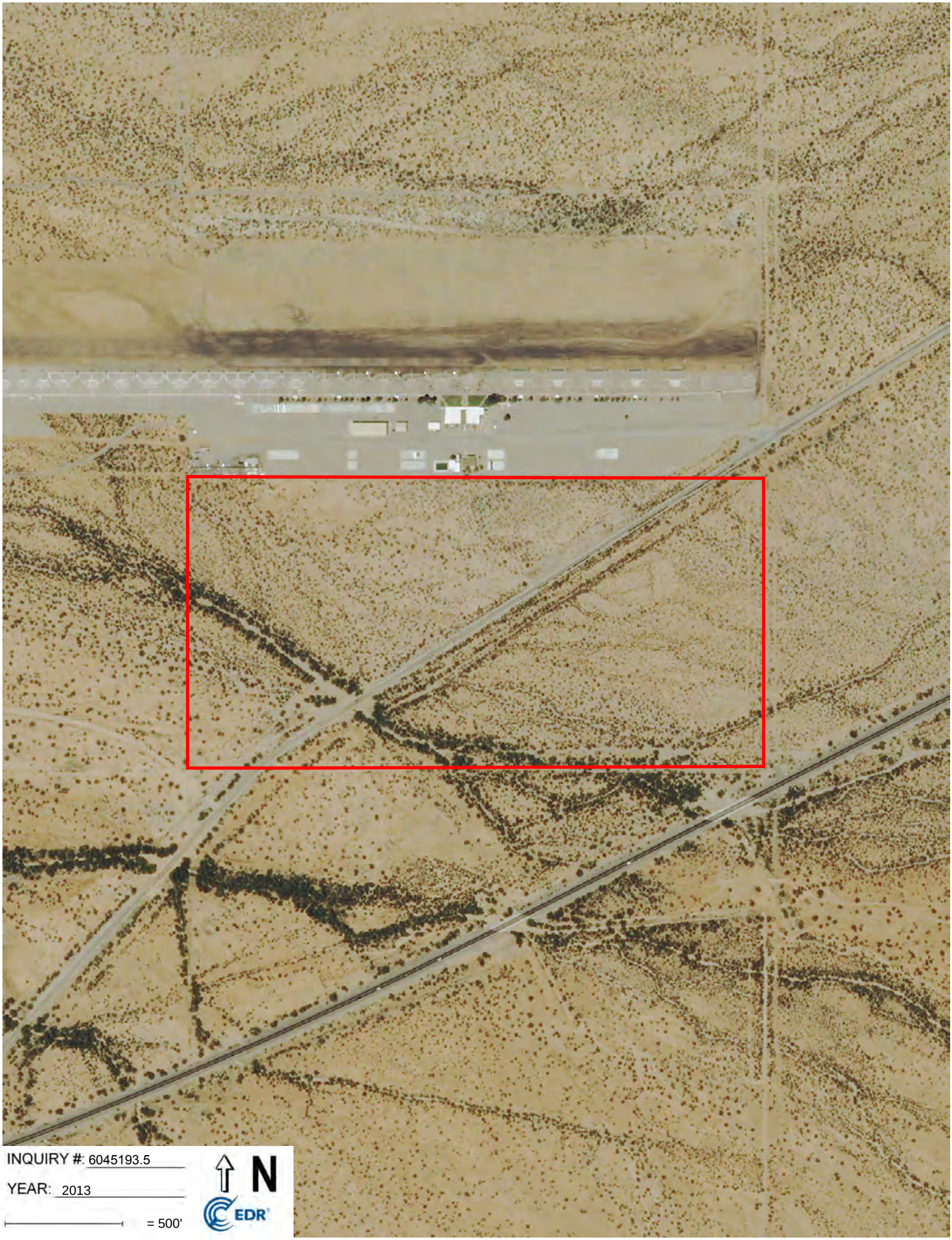
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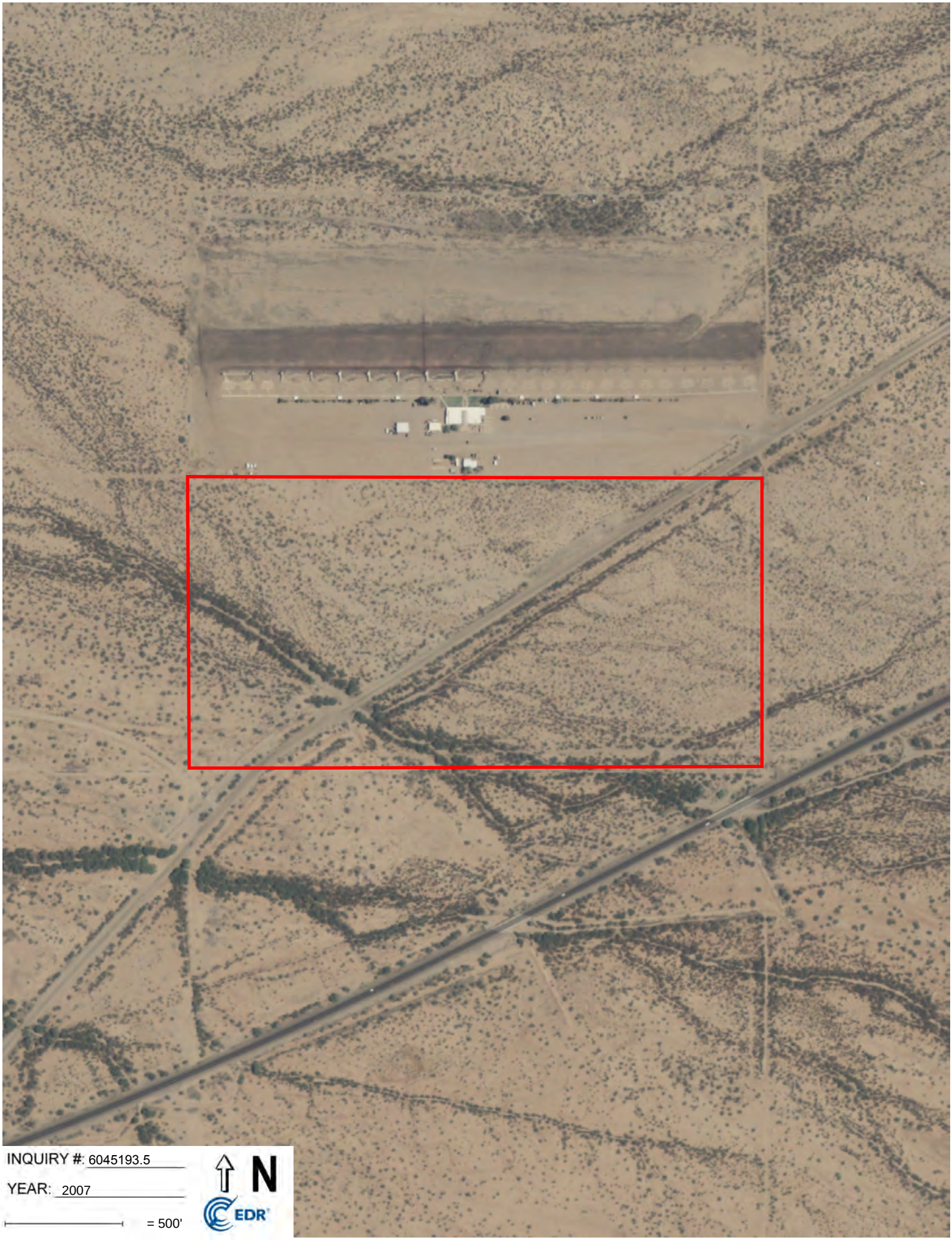
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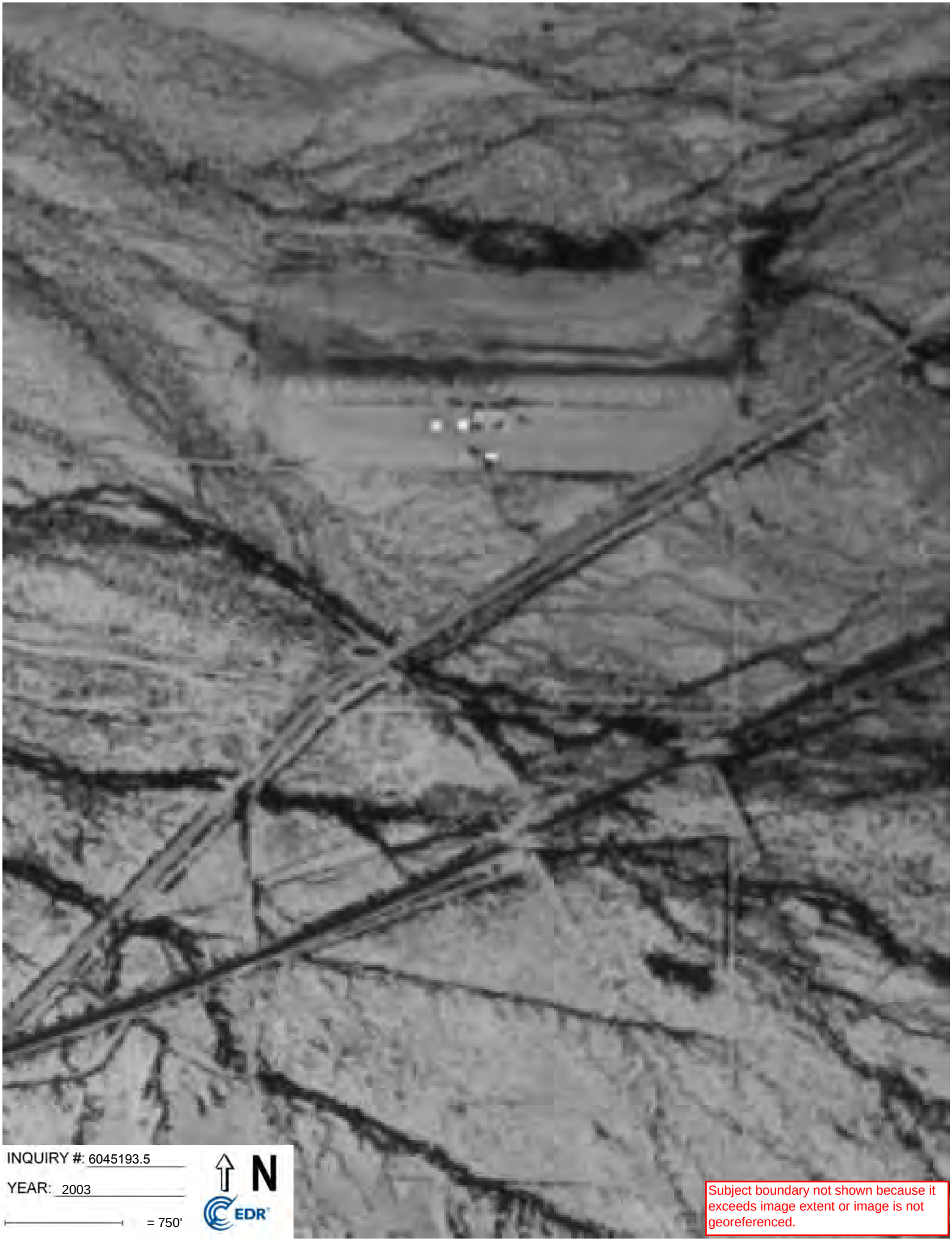
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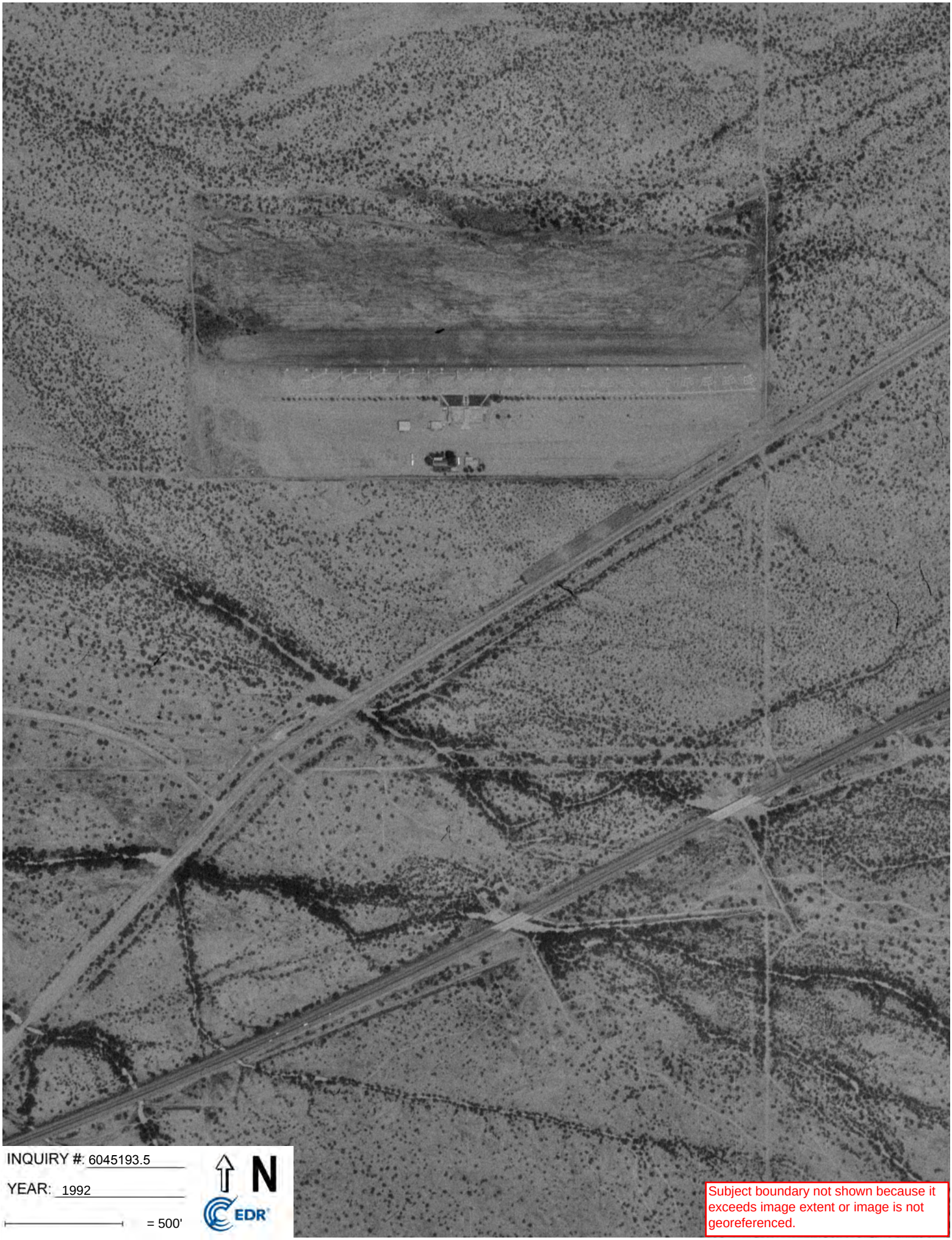

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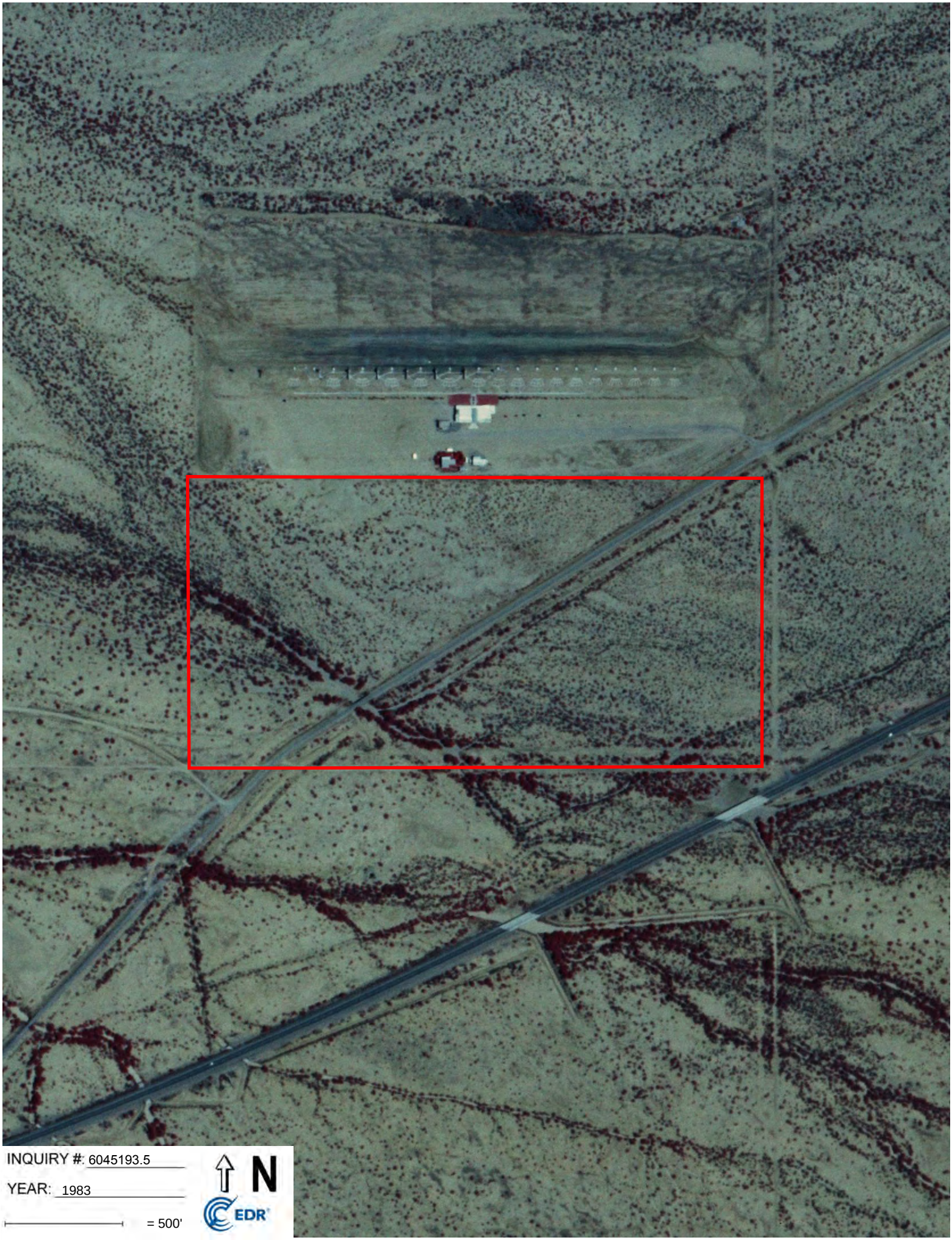
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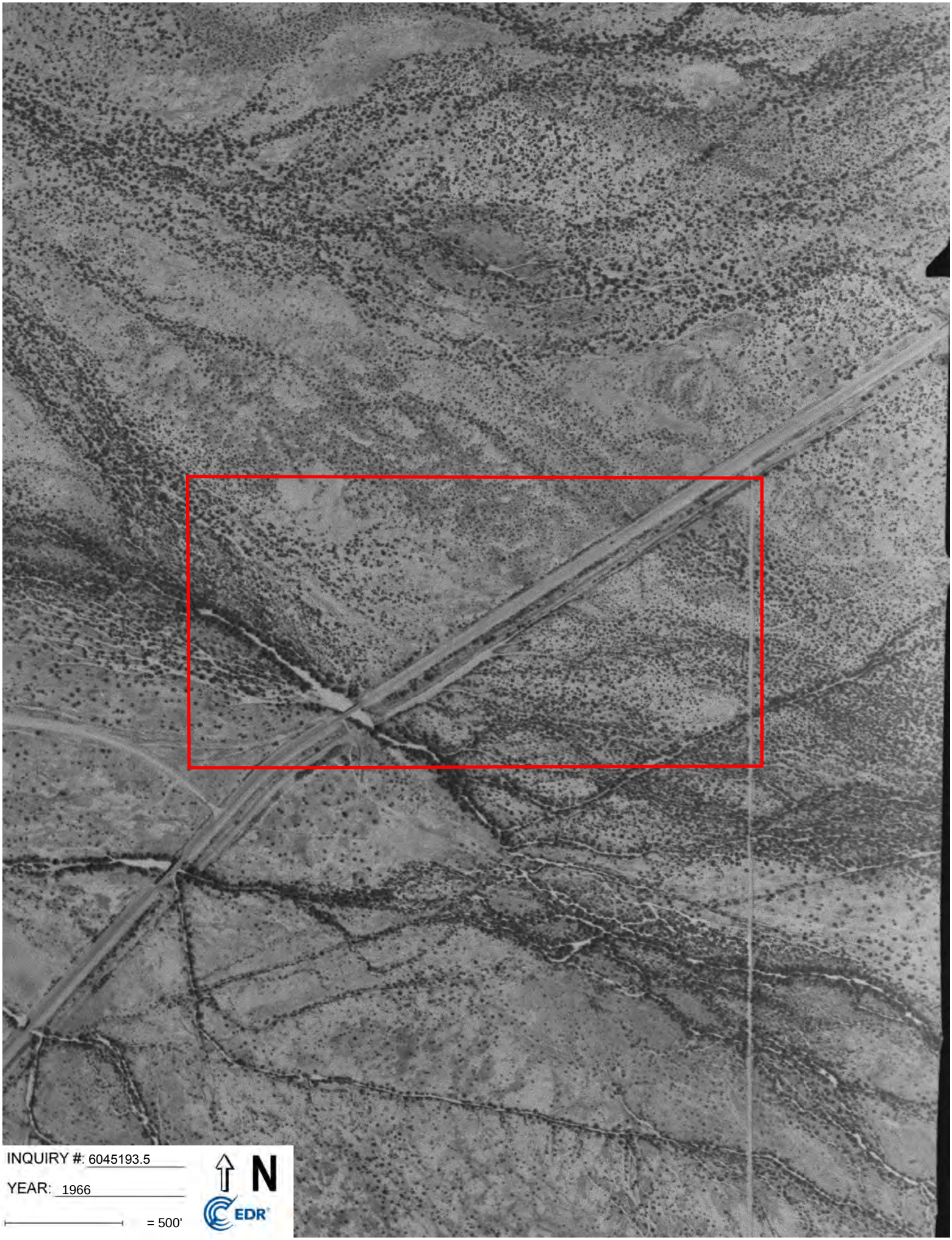
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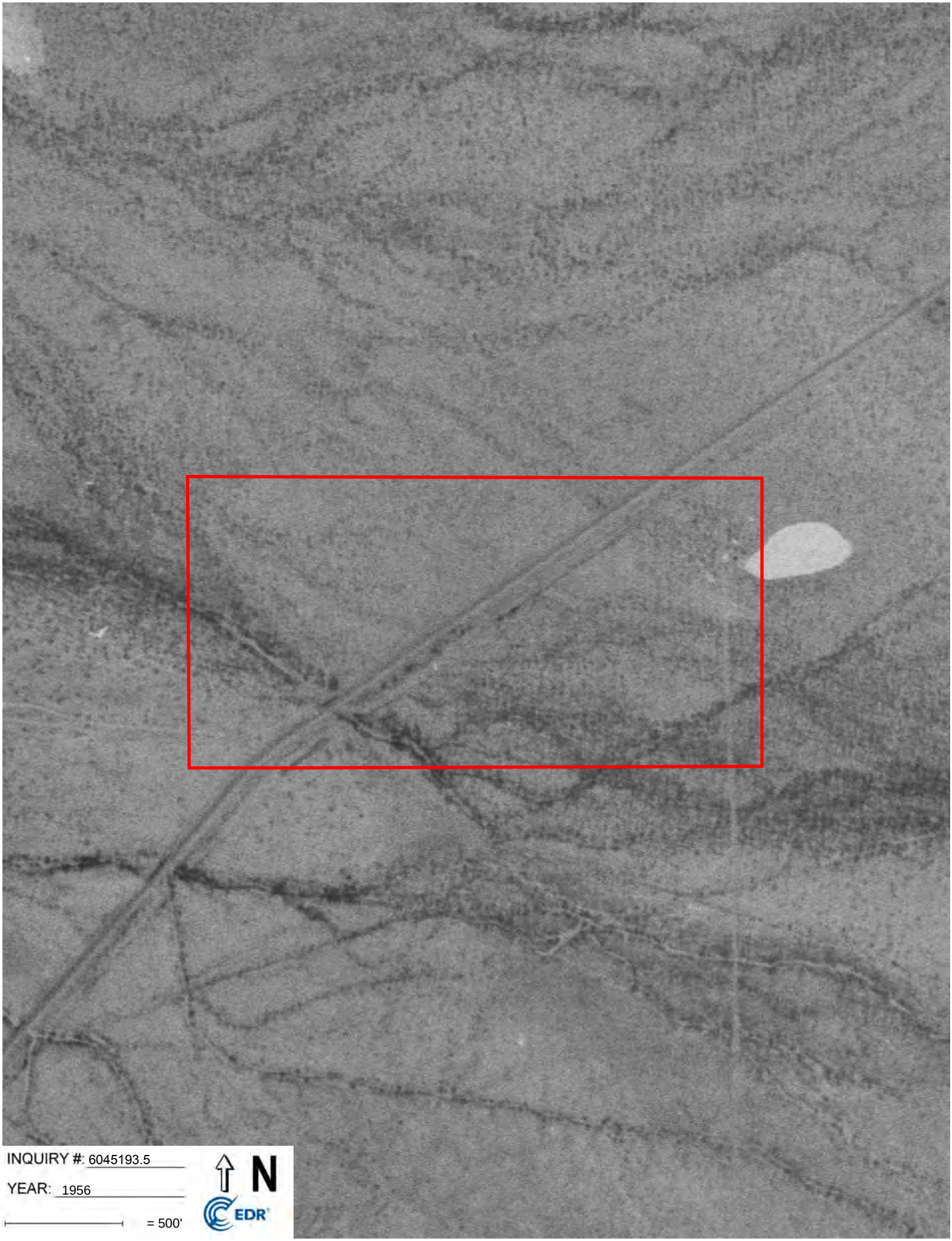
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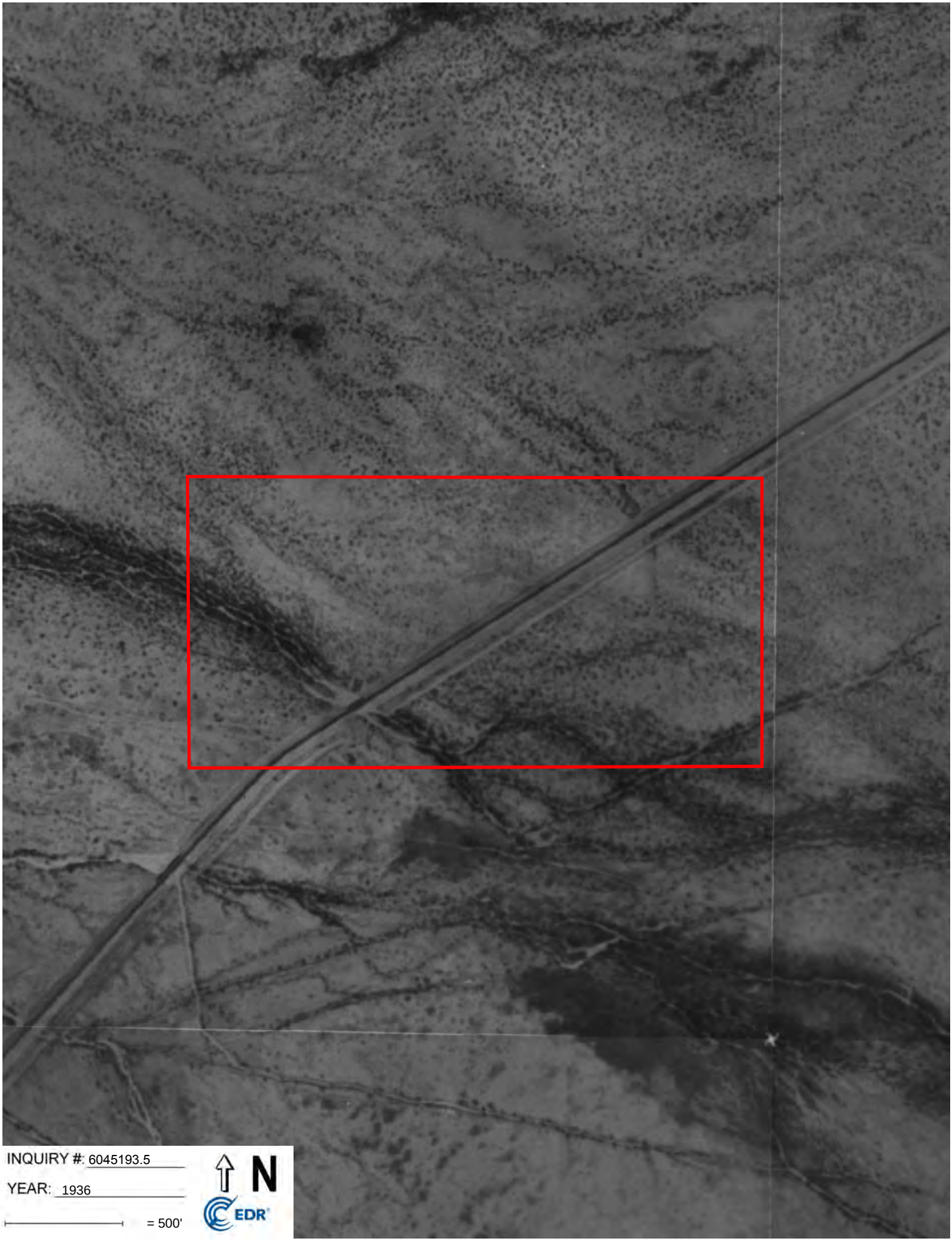
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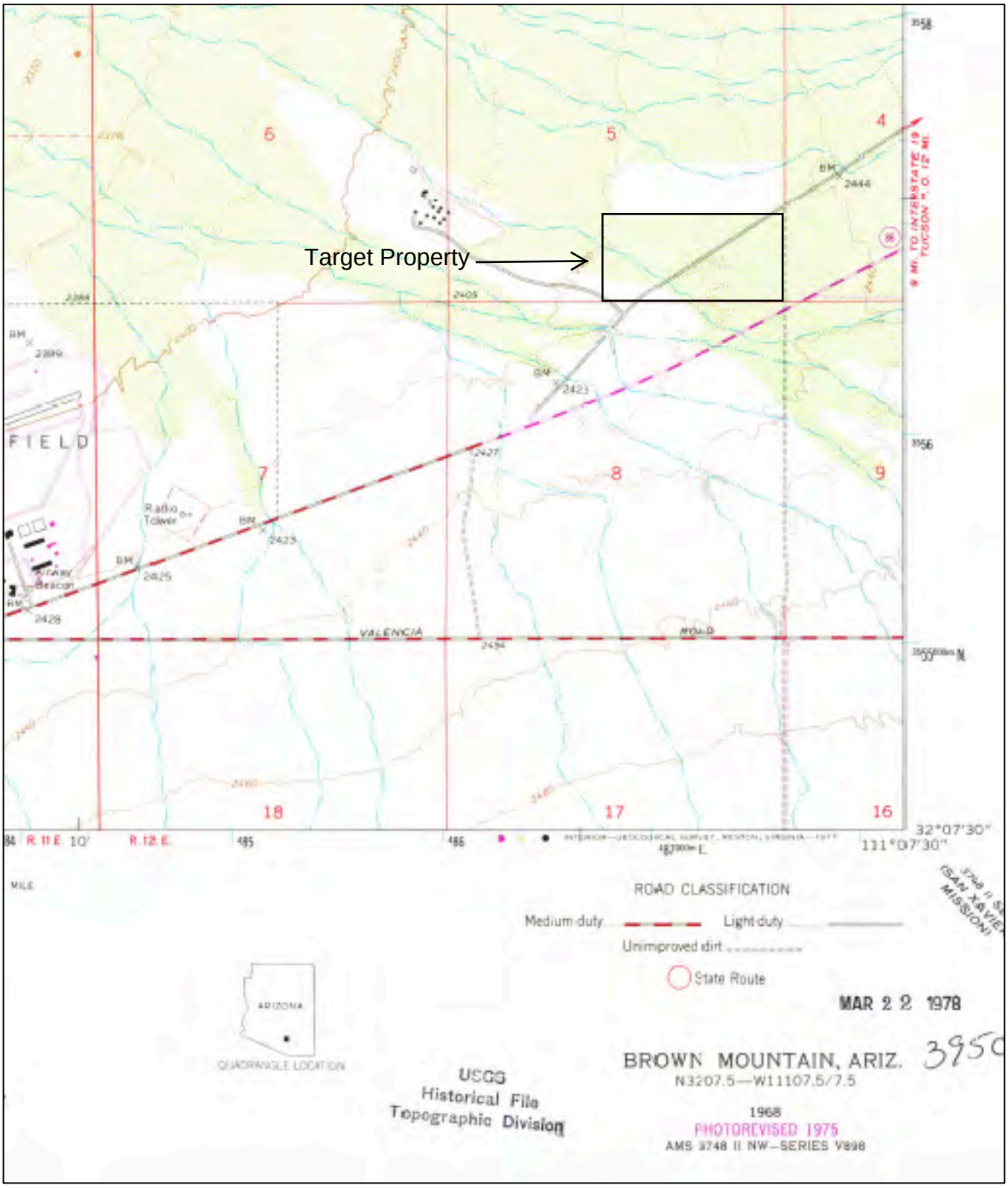
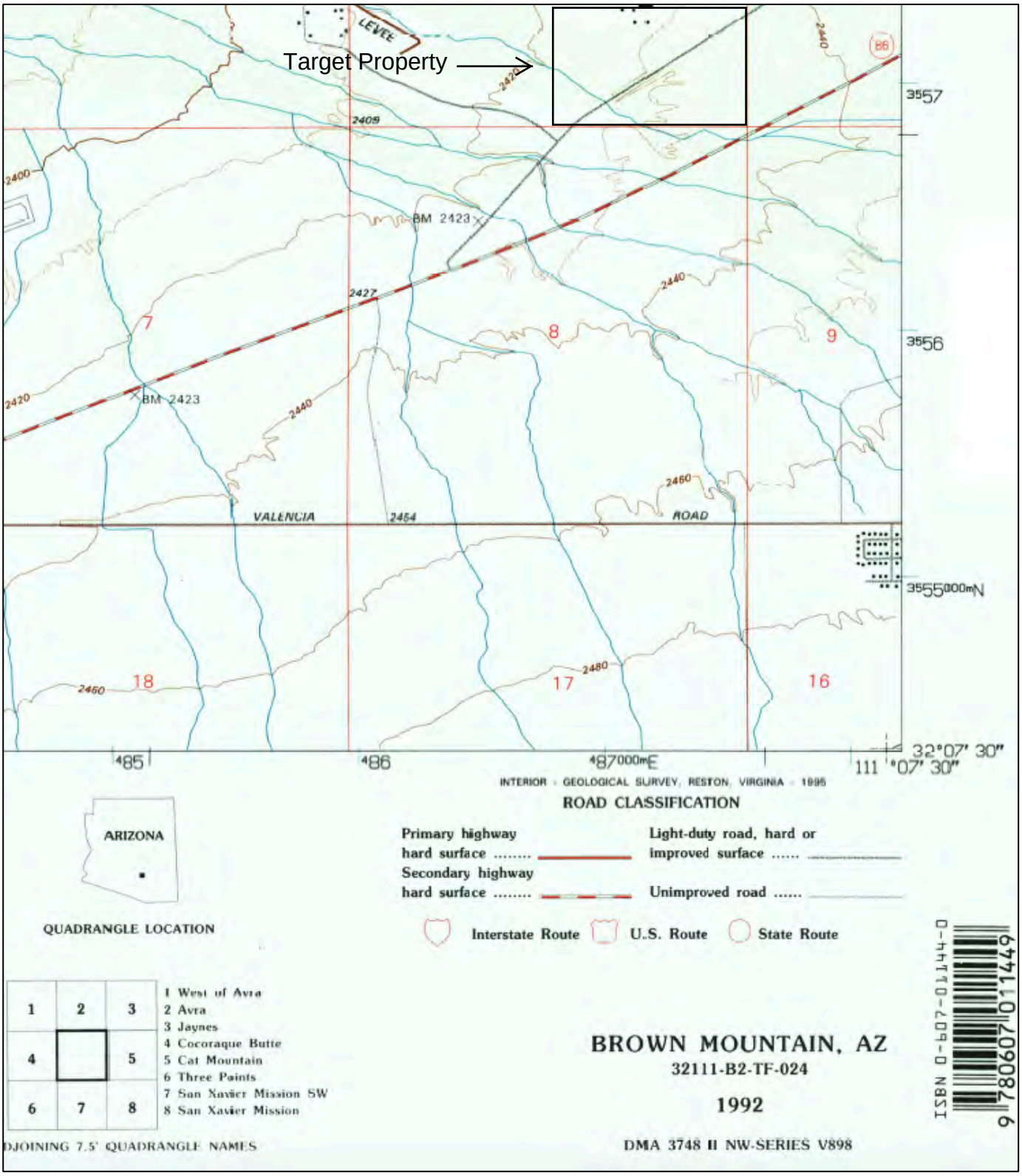


1968 - USGS TOPOGRAPHIC MAP



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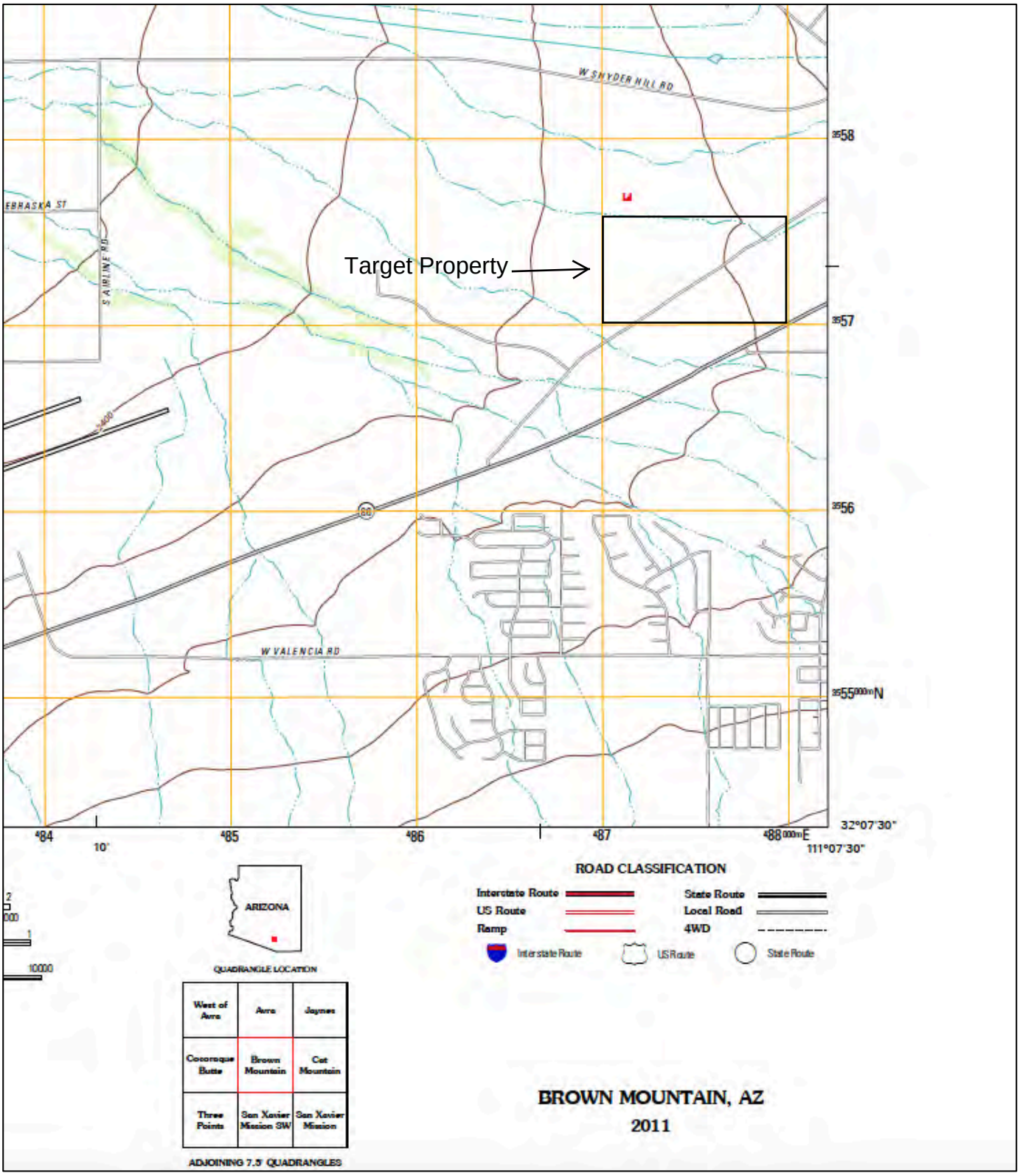
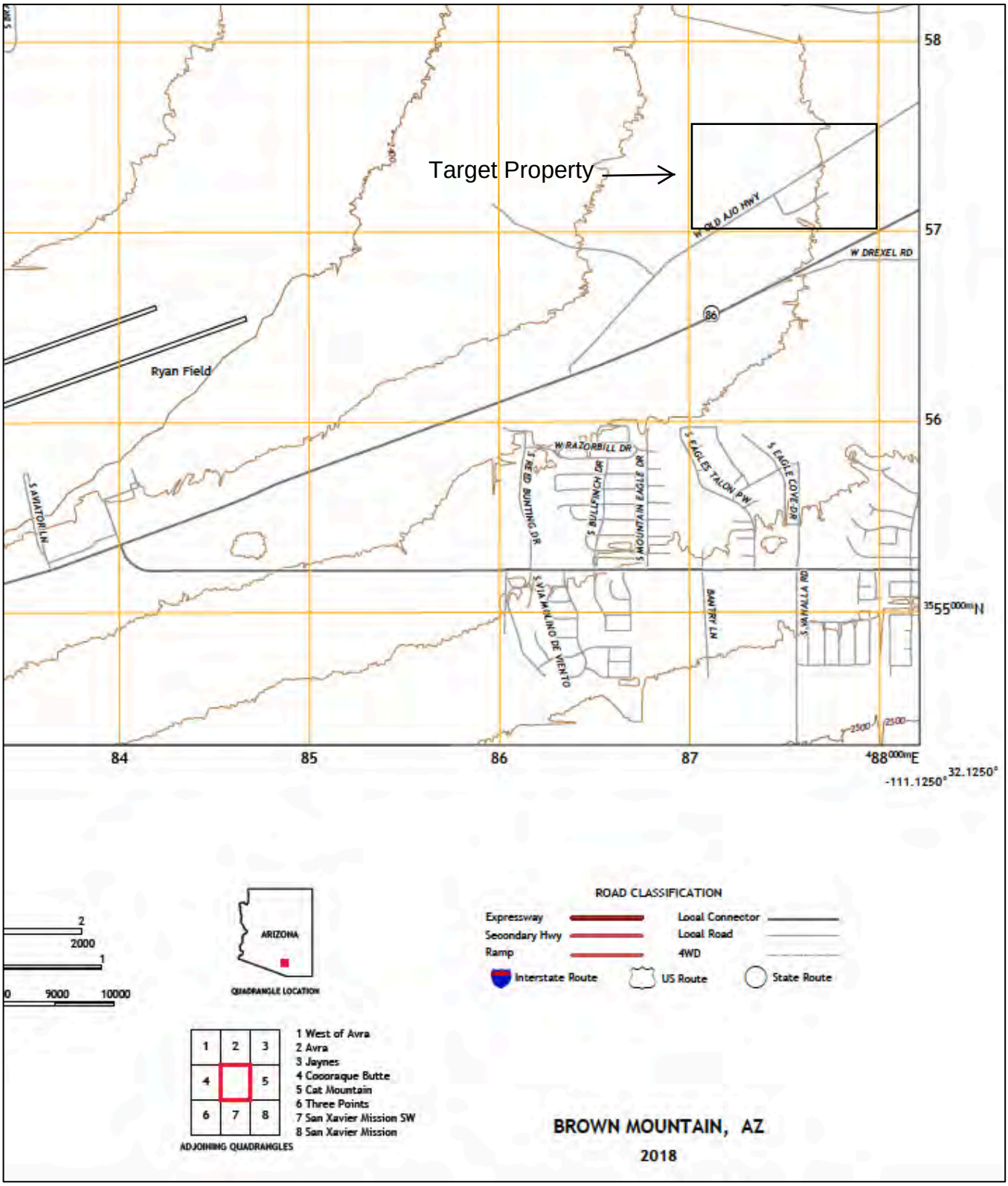


2011 - USGS TOPOGRAPHIC MAP



2018 - USGS TOPOGRAPHIC MAP

Tucson Trap and Skeet Phase I ESA

W. Old Ajo Highway

Tucson, AZ 85735

Inquiry Number: 6045193.3

April 21, 2020

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

04/21/20

Site Name:	Client Name:
Tucson Trap and Skeet Phase	Bowers Environmental Consulting
W. Old Ajo Highway	4502 W. Ironwood Hill Drive
Tucson, AZ 85735	Tucson, AZ 85745
EDR Inquiry # 6045193.3	Contact: Rion Bowers

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Bowers Environmental Consulting were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # 2EE2-4179-B237

PO # NA

Project Tucson Trap and Skeet

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

Sanborn® Library search results

Certification #: 2EE2-4179-B237

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✔ Library of Congress
- ✔ University Publications of America
- ✔ EDR Private Collection

The Sanborn Library LLC Since 1866™

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APPENDIX C
FIELD RECONNAISSANCE PHOTOGRAPHS

SITE PHOTOGRAPHS
Parcel 210-12-0010

Photo 1. View west from the northwestern corner of the Target Property.

Photo 2. View north from the center of the Target Property.

SITE PHOTOGRAPHS
Parcel 210-12-0010

Photo 3. Discarded tire on the Target Property.

Photo 4. Trash pile near the center of the Target Property along W. Old Tucson-Ajo Highway.

SITE PHOTOGRAPHS
Parcel 210-12-0010

Photo 5. Concrete debris near the northeast corner of the Target Property

Photo 6. Representative ephemeral wash on the Target Property.

APPENDIX D
INTERVIEW QUESTIONNAIRES

Phase I Environmental Site Assessment User Questionnaire
Target Property APN: 210-12-0010 Pima County, AZ

In order to qualify for one of the Landowner Liability Protections offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001, the User must conduct the following inquiries required by the applicable sections of the All Appropriate Inquiries Rule. The User should provide the information to Bowers Environmental Consulting. For all "Yes" answers, please provide copies, references, or additional information on an attached sheet.

Your Name: Michael L. Braegelmann Tel: 520-240-7530
User's Name: Tucson Trap and Skeet Club, Inc.
Property Name: Arizona State Trust Land
Property Address: T15 S R12 E Section 5 Pima County City: Tucson State: AZ

Environmental Liens (40 CFR § 312.25) – 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?. — No

Activity and Use Limitations (40 CFR § 312.26(a)(1)((v) and (vi) – Did a search of recorded land title records, judicial records where applicable, or agency records identify any Activity and Use Restrictions, such as engineering controls, Institutional Controls or Land Use Restrictions, that are in place at the Property and/or have been filed or recorded against the Property under federal, tribal, state or local law? — Yes, no residential Zoning allowed

Specialized Knowledge (40 CFR § 312.28) - Do you have any specialized knowledge or experience relative to the Property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the Property or an adjoining property, such that you would have special knowledge of the chemicals or processes used by the types of businesses? — No

Purchase Price to Fair Market Value (40 CFR § 312.29(a)) - Is the purchase price being paid for this Property reduced or discounted from the fair market value of the Property? — No

Reason for Lowered Purchase Price (40 CFR § 312.29(b)) - If the purchase price is reduced or discounted, could the lowered purchase price be because of known or perceived contamination on the Property? — No

Commonly Known or Reasonably Ascertainable Information (40 CFR 312.30) - Are you aware of commonly known or reasonably ascertainable information about the Property (e.g. past uses, water quality problems, environmental compliance issues, or permit violations), that might help the environmental professional identify conditions indicative of releases or suspected releases? For example, do you know of past uses? Do you know of specific chemicals used on the Property? Do you know if spills or chemical releases occurred on the Property? Do you know of any environmental clean-ups that have occurred on the Property? — No

Reason for This Study (ASTM E1527-13, Section 6.8) – Can you tell us why you are having this study completed (please circle all that apply)?

Lender's Requirements
Planning/Zoning Requirements
Landowner Liability Protection
Insurance Requirements
Baseline Review
Business Planning
Required by Seller

Signature: Michael Braegelmann Date: 04/06/2020

Phase I Environmental Site Assessment
Owner, Occupant, Manager Questionnaire

Target Property: APN: 210-12-0010 Pima County, AZ

Instructions – Thank you for completing this environmental questionnaire. The questions asked were derived directly from the federal All Appropriate Inquiry Rule (AAI) and from the ASTM Standard E1527. Simply answer the questions based on the information you actually know about the Property. You are not expected to find the answers. If you answer "yes" to any of the questions, you can provide additional information at the end of this form, or a BEC representative will contact you to go over the information. Feel free to attach any information you think might be helpful with you answers. Your information is important to us in researching the Property, so please complete the form and return as soon as possible.

PROPERTY INFORMATION

Address: T15S, R12E, Section 5 City: Pima County State: AZ

Current Occupants: None

Current Activities: Unk

UTILITY INFORMATION

1. Please list the service providers for the following utilities:
   Electric: _____ Gas: _____
   Water: _____ Sewer: _____
   Solid Waste: _____

2. What is the fuel source for heating buildings on the Property? N/A

3. What is the fuel source for cooling buildings on the Property? N/A

STORAGE TANKS

4. Y ● Unk Are there any aboveground storage tanks (ASTs) currently located on the Property?

5. Y ● Unk Are you aware of any past ASTs located on the Property?

6. Y ● Unk Are there any underground storage tanks (USTs) currently located on the Property?

7. Y ● Unk Are you aware of any past USTs located on the Property?

Phase I Enviornmental Site Assessment
Owner, Occupant, Manager Questionnaire

Project: APN: 210-12-0010 Pima County, AZ

HAZARDOUS SUBSTANCES, PETROLEUM PRODUCTS, AND CONTAINERS

8. Y ● Unk — Are there any containers of hazardous chemicals or petroleum currently stored or used on the Property?

9. Y ● Unk — Are you aware of past uses of hazardous chemicals on the Property?

10. Y ● Unk — Do you know of any stained soils on the Property?

11. Y ● Unk — Do you know of any current or previous in-ground hydraulic lifts on the Property?

12. Y ● Unk — Have pesticides ever been mixed, stored, or applied on the Property?

SOLID WASTE

13. Y ● Unk — Do you know if solid waste like garbage, refuse, demolition debris, construction debris, landscaping debris, liquids, containers have been discarded on or buried beneath Property?

14. Y ● Unk — Do you know if the Property has ever operated as a landfill?

15. Y N ● — Has soil from an unknown source been placed, spread, or piled on the surface or used as fill on the Property?

16. Y ● Unk — Do you know if used tires were ever discarded on or buried beneath the Property?

17. Y ● Unk — Are you aware of any former stock ponds, wastewater ponds, silage pits, or other excavations that have been filled on the Property?

WASTEWATER AND LIQUID DISCHARGES

18. Y ● Unk — Are you aware of current or former pits, ponds or lagoons for liquid wastes on the Property?

19. Y ● Unk — Are you aware of any current or past wastewater interceptors, clarifiers, or sumps on the Property?

20. Y N ● — Are there any current or former septic systems, cess pools, seepage pits, or leach fields located on the Property?

Phase I Enviornmental Site Assessment
Owner, Occupant, Manager Questionnaire

Project: APN: 210-12-0010 Pima County, AZ

STORMWATER AND DRAINAGE PROVISIONS

21. Y ● Unk Are there any dry wells on the Property?

22. Y ● Unk If yes, do you know if they are registered with the state agency?

23. Y ● Unk Are there any retention or detention basins on the Property?

24. Y ● Unk Do you know if storm water from an off-site source flows onto the Property?

WELLS

25. Y ● Unk Do you know of any current or former groundwater wells on the Property?
If yes, check type of well(s):
☐ Irrigation ☐ Domestic ☐ Livestock ☐ Environmental Monitoring

CURRENT/PREVIOUS ENVIRONMENTAL INVESTIGATION OR REGULATORY ACTION

26. Y ● Unk Are you aware of any previous environmental inspections, environmental investigations, environmental site assessments, environmental violations, pending law suits or administrative actions, or environmental liens relating to the Property, or to current or past owners, occupants, or facilities which were on the Property?

AVAILABILITY OF HELPFUL ENVIRONMENTAL DOCUMENTS

27. Y ● Unk Do you know of any of the following types of helpful documents about the Property and can you provide copies to BEC before the site inspection? Check all that apply:

- ☐ Prior environmental assessment reports
- ☐ Environmental audit reports
- ☐ Hazardous Waste Generator Notices
- ☐ Community Right-To-Know Plan
- ☐ Environmental Management Plan
- ☐ Hydrogeologic Reports
- ☐ Geotechnical Reports
- ☐ SARA Title III/Form R Reports
- ☐ Title Records
- ☐ Hazardous Waste Manifests
- ☐ Water Well Records
- ☐ NPDES Permits
- ☐ Wastewater Permits
- ☐ Air Emissions Permits
- ☐ UST Registrations
- ☐ AST Registrations
- ☐ Material Safety Data Sheets
- ☐ Safety Plans
- ☐ Spill Prevention Control/ Countermeasures Plan
- ☐ Waste Oil Disposal Records
- ☐ Drywell Registration Records

Phase I Enviornmental Site Assessment
Owner, Occupant, Manager Questionnaire

Project: APN: 210-12-0010 Pima County, AZ

PRIOR SITE USES

28. (Y) (●) (Unk) Do you know if the Property was used for any of the following businesses? Check all that apply. List other past uses/owners in the notes section below.

- ☐ Gasoline or Diesel Fueling Station
- ☐ Heavy Equipment Repair or Maintenance
- ☐ Commercial Laundry
- ☐ Commercial Printing
- ☐ Warehousing/Distribution
- ☐ Farm Operation: Agriculture or Dairy
- ☐ Aviation, Runways, Air Transportation
- ☐ Automotive Sales or Service
- ☐ Drycleaning
- ☐ Medical Services
- ☐ Industrial/Manufacturing
- ☐ Junkyard or Salvage Business
- ☐ Laboratory or Chemical Handling
- ☐ Rail Transportation

PERSON COMPLETING THE FORM

Name: Bruce Campbell Years Familiar w/Property: 19

Business Affiliation: Arizona State Land Department

Address: 1616 W. Adams Street City: Phoenix State: AZ

Tel: 602-542-2578 Fax: E-Mail:

Relationship to the Property (please check all that apply):

Owner	Occupant	Key Site Manager
☐ Individual Owner	☐ Owner Occupant	☐ Property Manager
☐ Corporation or LLC	☐ Business Occupant	☐ Facilities Manager
☐ Partnership	☐ Business Employee	☐ Maintenance Supervisor
☑ Trust/Trustee		☐ Plant Supervisor
☐ Owner's Broker		☐ Leasing Agent

Signature: Date Completed: 4/9/2020

NOTES

APPENDIX E
EDR REGULATORY DATABASE REPORT

Tucson Trap and Skeet Phase I ESA
W. Old Ajo Highway
Tucson, AZ 85735

Inquiry Number: 6045193.2s
April 21, 2020

The EDR Radius Map™ Report with GeoCheck®

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

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Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	9
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-10
Physical Setting Source Map Findings	A-12
Physical Setting Source Records Searched	PSGR-1

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

W. OLD AJO HIGHWAY
TUCSON, AZ 85735

COORDINATES

Latitude (North):	32.1488800 - 32˚ 8' 55.96''
Longitude (West):	111.1330840 - 111˚ 7' 59.10''
Universal Tranverse Mercator:	Zone 12
UTM X (Meters):	487449.6
UTM Y (Meters):	3556757.8
Elevation:	2435 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	6719877 BROWN MOUNTAIN, AZ
Version Date:	2014
Northeast Map:	6716318 CAT MOUNTAIN, AZ
Version Date:	2014

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150530
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
W. OLD AJO HIGHWAY
TUCSON, AZ 85735

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION

NO MAPPED SITES FOUND

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ..... National Priority List
Proposed NPL ..... Proposed National Priority List Sites
NPL LIENS ..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ..... Federal Facility Site Information listing
SEMS ..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE ..... Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS ..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG ..... RCRA - Large Quantity Generators
RCRA-SQG ..... RCRA - Small Quantity Generators
RCRA-VSQG ..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS ..... Land Use Control Information System

EXECUTIVE SUMMARY

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROLS..... Institutional Controls Sites List

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

AZ NPL..... NPL Detail Listing
AZ WQARF..... Water Quality Assurance Revolving Fund Sites

State- and tribal - equivalent CERCLIS

SPL..... Superfund Program List
SHWS..... ZipAcids List

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Directory of Solid Waste Facilities

State and tribal leaking storage tank lists

LUST..... Leaking Underground Storage Tank Listing
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
UST..... Underground Storage Tank Listing
AST..... List of Aboveground Storage Tanks
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

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

State and tribal voluntary cleanup sites

VCP..... Voluntary Remediation Program Sites
INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Tracking System

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

SWTIRE..... Solid Waste Tire Facilities

EXECUTIVE SUMMARY

INDIAN ODI	Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ODI	Open Dump Inventory
IHS OPEN DUMPS	Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL	Delisted National Clandestine Laboratory Register
CDL	Clandestine Drug Labs
US CDL	National Clandestine Laboratory Register

Local Land Records

LIENS 2	CERCLA Lien Information

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
SPILLS	Hazardous Material Logbook
SPILLS 90	SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated
FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File

EXECUTIVE SUMMARY

ABANDONED MINES..... Abandoned Mines
FINDS..... Facility Index System/Facility Registry System
ECHO..... Enforcement & Compliance History Information
UXO..... Unexploded Ordnance Sites
DOCKET HWC..... Hazardous Waste Compliance Docket Listing
FUELS PROGRAM..... EPA Fuels Program Registered Listing
AIRS..... Arizona Airs Database
Aquifer..... Waste Water Treatment Facilities
AZ DOD..... Department of Defense Sites
Dry Wells..... Drywell Registration
DRYCLEANERS..... Drycleaner Facility Listing
EMAP..... All Places of Interest Listing
Enforcement..... Enforcement and Violation Listing
Financial Assurance..... Financial Assurance Information Listing
MANIFEST..... Facility and Manifest Data
SPDES..... NPDES
VAPOR..... Vapor Intrusion
UIC..... Underground Injection Control Wells
WWFAC..... Waste Water Treatment Facilities
MINES MRDS..... Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

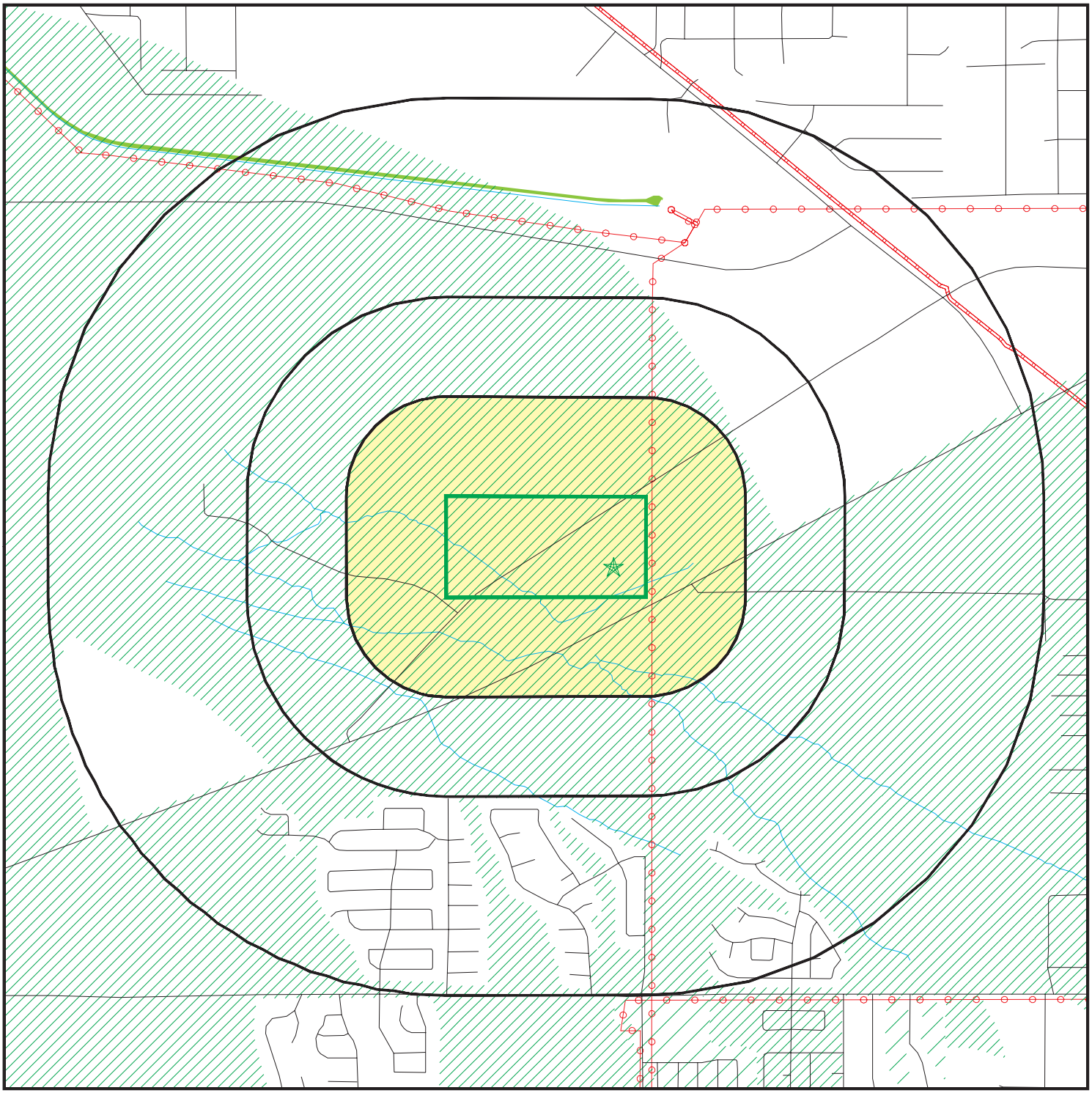
Surrounding sites were not identified.

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

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 6045193.2S



Target Property
Sites at elevations higher than or equal to the target property
Sites at elevations lower than the target property
Manufactured Gas Plants
National Priority List Sites
Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA
Power transmission lines
Pipelines
Special Flood Hazard Area (1%)
0.2% Annual Chance Flood Hazard
National Wetland Inventory
State Wetlands

DOD Sites: AZ DEQ
Water Quality Assurance Revolving Fund Areas
AZ NPL

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

SITE NAME: Tucson Trap and Skeet Phase I ESA	CLIENT: Bowers Environmental Consulting
ADDRESS: W. Old Ajo Highway Tucson AZ 85735	CONTACT: Rion Bowers INQUIRY #: 6045193.2s
LAT/LONG: 32.14888 / 111.133084	DATE: April 21, 2020 12:35 pm

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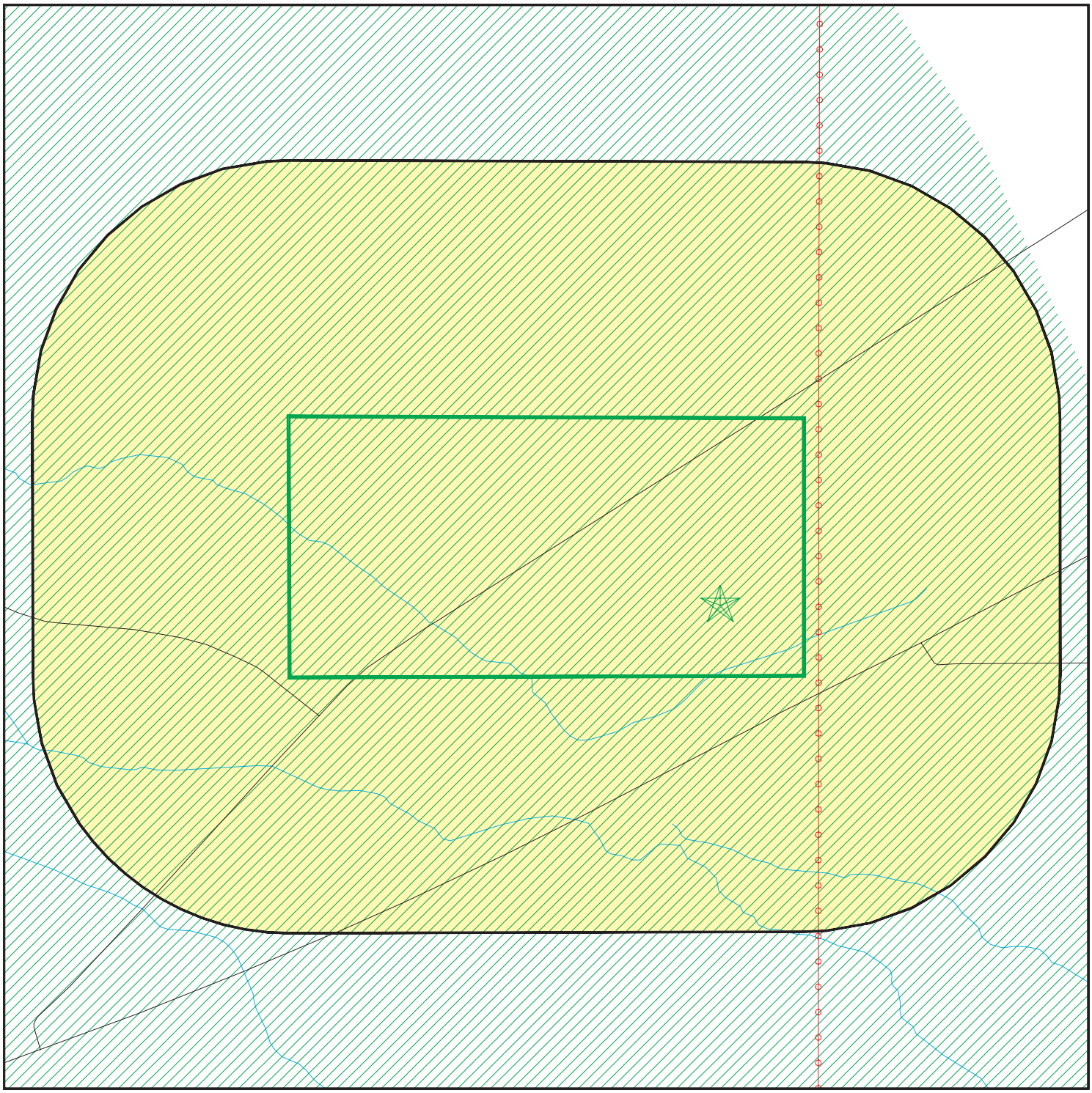
DETAIL MAP - 6045193.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/8 1/4 1/2 Miles

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

DOD Sites: AZ DEQ

Water Quality Assurance Revolving Fund Areas

AZ NPL

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

SITE NAME: Tucson Trap and Skeet Phase I ESA	CLIENT: Bowers Environmental Consulting
ADDRESS: W. Old Ajo Highway Tucson AZ 85735	CONTACT: Rion Bowers INQUIRY #: 6045193.2s
LAT/LONG: 32.14888 / 111.133084	DATE: April 21, 2020 12:36 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
AZ NPL	1.000		0	0	0	0	NR	0
AZ WQARF	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
SPL	1.000		0	0	0	0	NR	0
SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
AZURITE	0.500		0	0	0	NR	NR	0
AUL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
SPILLS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
Aquifer	0.001		0	NR	NR	NR	NR	0
AZ DOD	0.500		0	0	0	NR	NR	0
Dry Wells	0.001		0	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMAP	0.001		0	NR	NR	NR	NR	0
Enforcement	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
MANIFEST	0.250		0	0	NR	NR	NR	0
SPDES	0.001		0	NR	NR	NR	NR	0
VAPOR	0.500		0	0	0	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
WWFAC	0.500		0	0	0	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	0	0	0	0	0	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

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

NO SITES FOUND

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
		NO SITES FOUND			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: N/A
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: N/A
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: N/A
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/03/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

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

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 11/04/2019
Date Data Arrived at EDR: 11/13/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 76

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/10/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 11/22/2019
Date Data Arrived at EDR: 11/22/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/20/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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

Date of Government Version: 11/22/2019
Date Data Arrived at EDR: 11/22/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 67

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/20/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

Federal ERNS list

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

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/19/2019
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 78

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/24/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

AZ NPL: NPL Detail Listing
Detailed site information for NPL sites from the Arizona Department of Environmental Quality.

Date of Government Version: 09/30/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 64

Source: Department of Environmental Quality
Telephone: 602-771-4609
Last EDR Contact: 02/13/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

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

Date of Government Version: 09/30/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 64

Source: Department of Environmental Quality
Telephone: 602-771-4360
Last EDR Contact: 02/13/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

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

Date of Government Version: 08/25/2004
Date Data Arrived at EDR: 04/04/2018
Date Made Active in Reports: 05/17/2018
Number of Days to Update: 43

Source: Department of Environmental Quality
Telephone: 602-771-4360
Last EDR Contact: 04/16/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: No Update Planned

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

Date of Government Version: 01/03/2000
Date Data Arrived at EDR: 04/11/2000
Date Made Active in Reports: 05/16/2000
Number of Days to Update: 35

Source: Department of Environmental Quality
Telephone: 602-771-4360
Last EDR Contact: 03/12/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: No Update Planned

State and tribal landfill and/or solid waste disposal site lists

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

Date of Government Version: 09/30/2019
Date Data Arrived at EDR: 10/18/2019
Date Made Active in Reports: 12/13/2019
Number of Days to Update: 56

Source: Department of Environmental Quality
Telephone: 602-771-2300
Last EDR Contact: 04/06/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

State and tribal leaking storage tank lists

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

Date of Government Version: 01/16/2020
Date Data Arrived at EDR: 01/22/2020
Date Made Active in Reports: 03/10/2020
Number of Days to Update: 48

Source: Department of Environmental Quality
Telephone: 602-771-4345
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Semi-Annually

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/15/2019
Date Data Arrived at EDR: 12/17/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 55

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/16/2019
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

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

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

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

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

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

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 72

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

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

Date of Government Version: 10/04/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

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

Date of Government Version: 10/10/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 67

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 08/27/2019
Date Data Arrived at EDR: 08/28/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 75

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 03/19/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

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

Date of Government Version: 01/16/2020
Date Data Arrived at EDR: 01/22/2020
Date Made Active in Reports: 03/10/2020
Number of Days to Update: 48

Source: Department of Environmental Quality
Telephone: 602-771-4345
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Annually

AST: List of Aboveground Storage Tanks
Aboveground storage tanks that the Dept. of Building & Fire Safety have permitted.

Date of Government Version: 12/05/2019
Date Data Arrived at EDR: 12/06/2019
Date Made Active in Reports: 01/31/2020
Number of Days to Update: 56

Source: Department of Building & Fire Safety
Telephone: 602-364-1003
Last EDR Contact: 03/18/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: No Update Planned

AST 2: Aboveground Storage Tank Listing
A listing of aboveground storage tank site locations.

Date of Government Version: 12/05/2019
Date Data Arrived at EDR: 01/15/2020
Date Made Active in Reports: 03/10/2020
Number of Days to Update: 55

Source: Department of Environmental Quality
Telephone: 602-771-4380
Last EDR Contact: 03/05/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/02/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/04/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 85

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/01/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/10/2019
Date Data Arrived at EDR: 12/05/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 67

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/03/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 72

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/11/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 68

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AZURITE: Remediation and DEUR/VEMUR Tracking System

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

Date of Government Version: 11/19/2018
Date Data Arrived at EDR: 11/19/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 11

Source: Department of Environmental Quality
Telephone: 602-771-4397
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Varies

AUL: DEUR Database

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

Date of Government Version: 10/03/2019
Date Data Arrived at EDR: 10/04/2019
Date Made Active in Reports: 12/12/2019
Number of Days to Update: 69

Source: Department of Environmental Quality
Telephone: 602-771-4397
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Remediation Program Sites

Sites involved in the Voluntary Remediation Program.

Date of Government Version: 02/08/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/03/2019
Number of Days to Update: 41

Source: Department of Environmental Quality
Telephone: 602-771-4411
Last EDR Contact: 03/30/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/18/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Tracking System
Information relating to Brownfields sites in Arizona.

Date of Government Version: 02/08/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/03/2019
Number of Days to Update: 41

Source: Department of Environmental Quality
Telephone: 602-771-4401
Last EDR Contact: 03/30/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Date of Government Version: 12/02/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/17/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWTIRE: Solid Waste Tire Facilities
A waste tire "facility" means a solid waste facility at which waste tires are stored outdoors on any day.

Date of Government Version: 12/06/2019
Date Data Arrived at EDR: 12/09/2019
Date Made Active in Reports: 01/31/2020
Number of Days to Update: 53

Source: Department of Environmental Quality
Telephone: 602-771-4132
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 04/16/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

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

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs
A listing of drug lab seizures in Arizona.

Date of Government Version: 10/28/2019
Date Data Arrived at EDR: 10/30/2019
Date Made Active in Reports: 12/12/2019
Number of Days to Update: 43

Source: Board of Technical Registration
Telephone: 602-364-4931
Last EDR Contact: 03/18/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Varies

US CDL: Clandestine Drug Labs

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

Date of Government Version: 06/11/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 12/05/2019
Date Data Arrived at EDR: 12/06/2019
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 70

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/24/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

SPILLS: Hazardous Material Logbook

Chemical spills and incidents referred to the Emergency Response Unit.

Date of Government Version: 11/15/2001
Date Data Arrived at EDR: 06/28/2007
Date Made Active in Reports: 07/24/2007
Number of Days to Update: 26

Source: Department of Environmental Quality
Telephone: 602-771-4153
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

SPILLS 90: SPILLS90 data from FirstSearch

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

Date of Government Version: 12/11/2001
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/11/2013
Number of Days to Update: 39

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

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

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

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/16/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 11/12/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 70

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/19/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/06/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/13/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 12/16/2019
Date Data Arrived at EDR: 12/19/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/24/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/03/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 11/16/2018
Date Made Active in Reports: 11/21/2019
Number of Days to Update: 370

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/05/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 10/23/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 84

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/24/2020
Next Scheduled EDR Contact: 05/04/2020
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Annually

RMP: Risk Management Plans

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

Date of Government Version: 11/05/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 149

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/15/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/06/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 8

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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

Date of Government Version: 10/09/2019
Date Data Arrived at EDR: 10/11/2019
Date Made Active in Reports: 12/20/2019
Number of Days to Update: 70

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Quarterly

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

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

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

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

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

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

Date of Government Version: 10/25/2019
Date Data Arrived at EDR: 10/25/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 82

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 01/15/2020
Number of Days to Update: 42

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/06/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 02/27/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/07/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/01/2019
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Quarterly

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/28/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 01/17/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 49

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/26/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/25/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/10/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

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

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/18/2020
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 02/14/2020
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/02/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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

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

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

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

Date of Government Version: 12/03/2019
Date Data Arrived at EDR: 12/03/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 56

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 03/02/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

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

Date of Government Version: 11/06/2019
Date Data Arrived at EDR: 11/25/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 64

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/25/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/28/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

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

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/28/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

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

Date of Government Version: 12/09/2019
Date Data Arrived at EDR: 12/11/2019
Date Made Active in Reports: 02/27/2020
Number of Days to Update: 78

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/05/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 11/22/2019
Date Data Arrived at EDR: 12/04/2019
Date Made Active in Reports: 03/02/2020
Number of Days to Update: 89

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 03/03/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 01/05/2020
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/06/2020
Number of Days to Update: 59

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 04/07/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/03/2020
Next Scheduled EDR Contact: 07/27/2020
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 07/26/2018
Date Made Active in Reports: 10/05/2018
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/21/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

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

Date of Government Version: 11/18/2019
Date Data Arrived at EDR: 11/19/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 70

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/19/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Quarterly

AIRS: Arizona Airs Database

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

Date of Government Version: 01/13/2020
Date Data Arrived at EDR: 01/15/2020
Date Made Active in Reports: 03/10/2020
Number of Days to Update: 55

Source: Department of Environmental Quality
Telephone: 602-771-2344
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 07/13/2020
Data Release Frequency: Semi-Annually

AQUIFER: Waste Water Treatment Facilities

Waste Water Treatment Facilities with APP (Aquifer Protection Permits.)

Date of Government Version: 03/02/2020
Date Data Arrived at EDR: 03/04/2020
Date Made Active in Reports: 03/10/2020
Number of Days to Update: 6

Source: Department of Environmental Quality
Telephone: 602-771-4623
Last EDR Contact: 02/10/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: Semi-Annually

DOD: Department of Defense Sites

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

Date of Government Version: 09/30/2019
Date Data Arrived at EDR: 11/20/2019
Date Made Active in Reports: 01/23/2020
Number of Days to Update: 64

Source: Department of Environmental Quality
Telephone: 602-771-4360
Last EDR Contact: 02/13/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Annually

DRY WELLS: Drywell Registration

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

Date of Government Version: 06/10/2019
Date Data Arrived at EDR: 06/13/2019
Date Made Active in Reports: 08/20/2019
Number of Days to Update: 68

Source: Department of Environmental Quality
Telephone: 602-771-4686
Last EDR Contact: 02/13/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Semi-Annually

DRYCLEANERS: Drycleaner Facility Listing

A listing of drycleaner facilities in Arizona.

Date of Government Version: 04/11/2014
Date Data Arrived at EDR: 04/15/2014
Date Made Active in Reports: 05/12/2014
Number of Days to Update: 27

Source: Department of Environmental Quality
Telephone: 602-771-4335
Last EDR Contact: 03/12/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Varies

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

Date of Government Version: 01/03/2020
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 62

Source: Department of Environmental Quality
Telephone: 602-771-4380
Last EDR Contact: 03/02/2020
Next Scheduled EDR Contact: 06/15/2020
Data Release Frequency: Varies

ENF: Enforcement and Violation Listing
A listing of enforcement and violation cases in the state of Arizona.

Date of Government Version: 02/14/2020
Date Data Arrived at EDR: 02/18/2020
Date Made Active in Reports: 03/10/2020
Number of Days to Update: 21

Source: Department of Environmental Quality
Telephone: 602-771-4424
Last EDR Contact: 01/27/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial assurance information for ust sites.

Date of Government Version: 01/17/2020
Date Data Arrived at EDR: 01/22/2020
Date Made Active in Reports: 03/10/2020
Number of Days to Update: 48

Source: Department of Environmental Quality
Telephone: 602-771-4258
Last EDR Contact: 03/23/2020
Next Scheduled EDR Contact: 07/06/2020
Data Release Frequency: Varies

AZ MANIFEST: Manifest Information
Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 07/17/2018
Date Made Active in Reports: 09/05/2018
Number of Days to Update: 50

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 03/12/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Annually

NPDES: Notice of Intent Construction Stormwater General Permits Database
NPDES permit sites

Date of Government Version: 01/31/2020
Date Data Arrived at EDR: 01/31/2020
Date Made Active in Reports: 04/13/2020
Number of Days to Update: 73

Source: Department of Environmental Quality
Telephone: 602-771-4424
Last EDR Contact: 04/06/2020
Next Scheduled EDR Contact: 07/20/2020
Data Release Frequency: Varies

VAPOR: Vapor Intrusion
A listing of vapor intrusion site locations

Date of Government Version: 10/17/2019
Date Data Arrived at EDR: 10/22/2019
Date Made Active in Reports: 12/13/2019
Number of Days to Update: 52

Source: Department of Environmental Quality
Telephone: 602-771-4197
Last EDR Contact: 03/20/2020
Next Scheduled EDR Contact: 06/29/2020
Data Release Frequency: Varies

UIC: Underground Injection Control Wells
Underground injection control wells.

Date of Government Version: 09/30/2015
Date Data Arrived at EDR: 02/05/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 60

Source: Arizona Geological Survey
Telephone: 520-770-3500
Last EDR Contact: 04/16/2020
Next Scheduled EDR Contact: 08/10/2020
Data Release Frequency: Varies

WWFAC: Waste Water Treatment Facilities
Statewide list of waste water treatment facilities.

Date of Government Version: 07/09/2012
Date Data Arrived at EDR: 07/23/2012
Date Made Active in Reports: 09/06/2012
Number of Days to Update: 45

Source: Department of Environmental Quality
Telephone: 602-771-4623
Last EDR Contact: 04/09/2020
Next Scheduled EDR Contact: 08/03/2020
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/28/2020
Next Scheduled EDR Contact: 06/08/2020
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List
The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Arizona.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/02/2014
Number of Days to Update: 185

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List
The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Arizona.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/15/2014
Number of Days to Update: 198

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank
The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Arizona.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/02/2014
Number of Days to Update: 185

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 01/30/2020
Date Made Active in Reports: 03/09/2020
Number of Days to Update: 39

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 01/30/2020
Next Scheduled EDR Contact: 05/25/2020
Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 06/21/2019
Number of Days to Update: 51

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/31/2020
Next Scheduled EDR Contact: 05/11/2020
Data Release Frequency: Quarterly

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 69

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/18/2020
Next Scheduled EDR Contact: 06/01/2020
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/09/2020
Next Scheduled EDR Contact: 06/22/2020
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Child Care Facilities & Group Homes
Source: Department of Health Services
Telephone: 602-674-4220

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Riparian Vegetation Associated with Perennial Waters
Source: State Land Department
Telephone: 602-542-4094

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

TUCSON TRAP AND SKEET PHASE I ESA
W. OLD AJO HIGHWAY
TUCSON, AZ 85735

TARGET PROPERTY COORDINATES

Latitude (North):	32.14888 - 32˚ 8’ 55.97’’
Longitude (West):	111.133084 - 111˚ 7’ 59.10’’
Universal Tranverse Mercator:	Zone 12
UTM X (Meters):	487449.6
UTM Y (Meters):	3556757.8
Elevation:	2435 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	6719877 BROWN MOUNTAIN, AZ
Version Date:	2014
Northeast Map:	6716318 CAT MOUNTAIN, AZ
Version Date:	2014

EDR’s GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

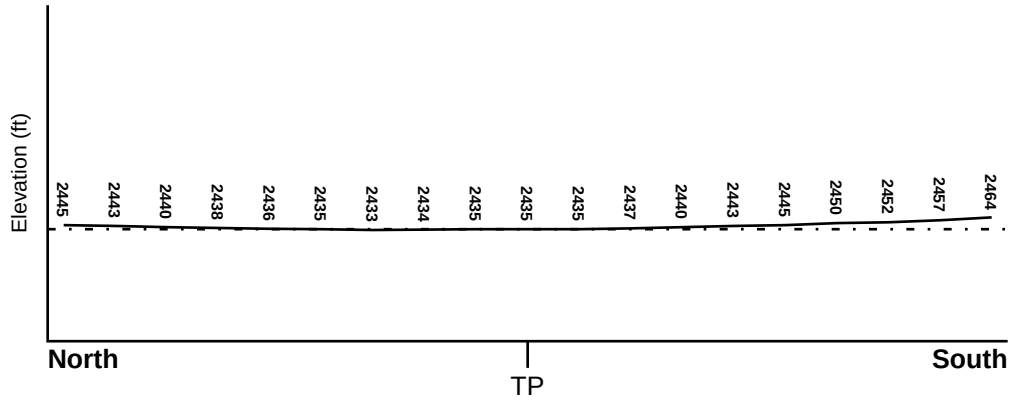
TOPOGRAPHIC INFORMATION

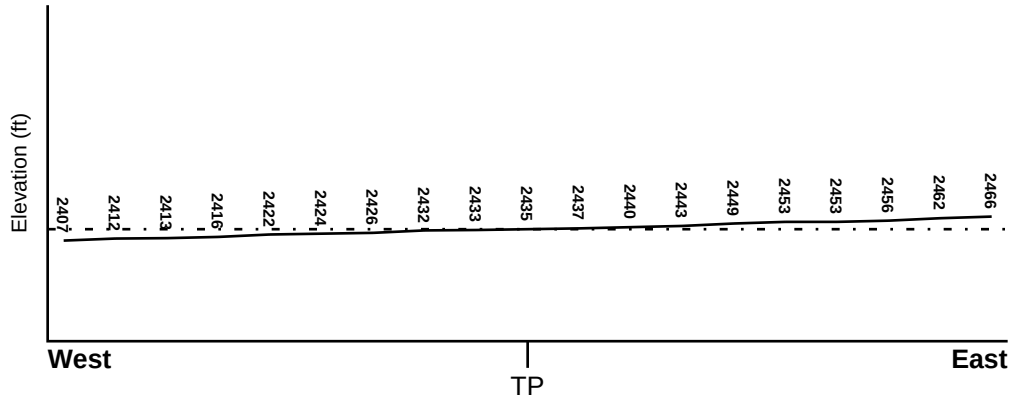
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 2435 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
04019C2245L	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
04019C2265L	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NOT AVAILABLE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

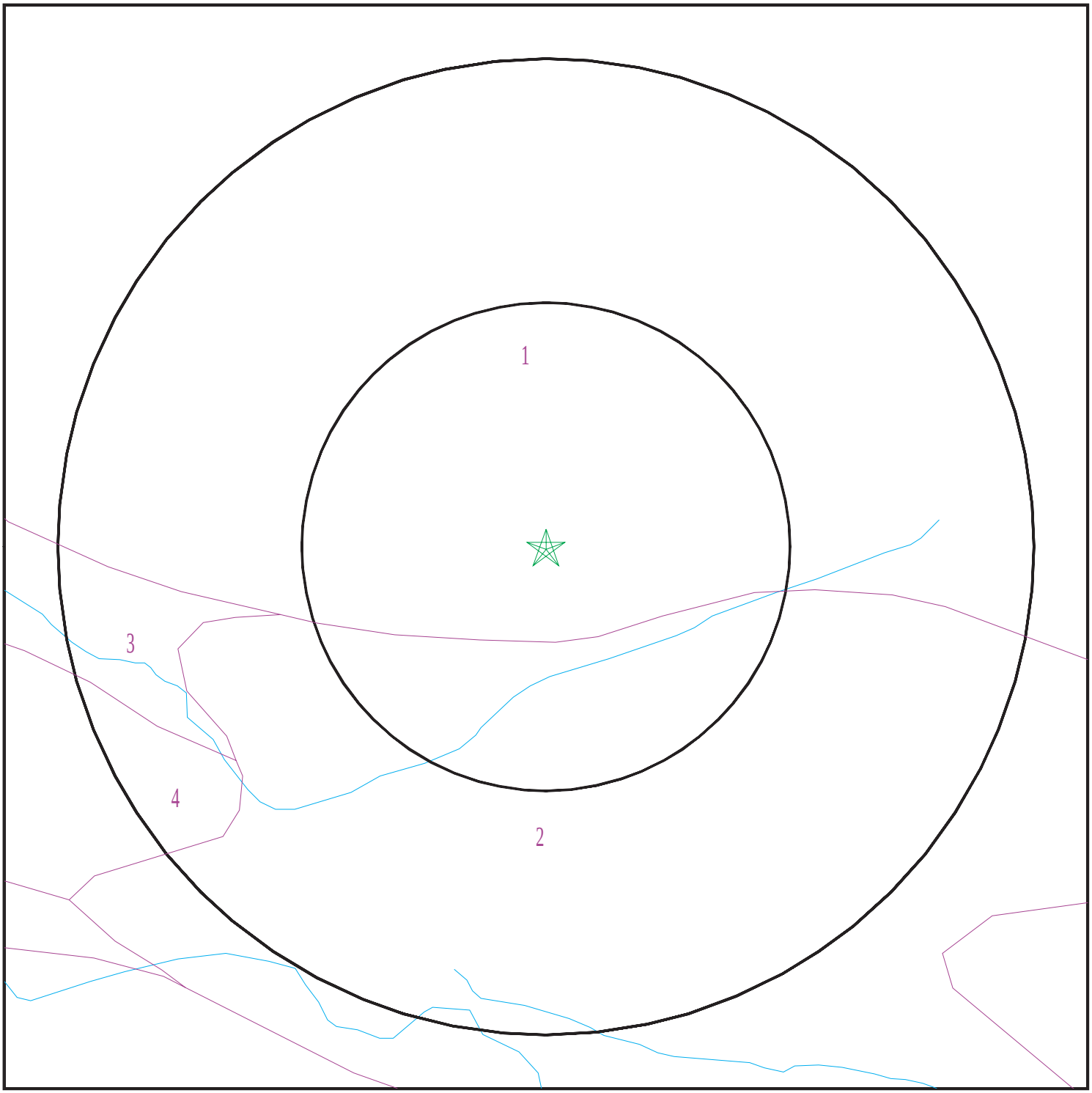
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6045193.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Tucson Trap and Skeet Phase I ESA	CLIENT:	Bowers Environmental Consulting
ADDRESS:	W. Old Ajo Highway Tucson AZ 85735	CONTACT:	Rion Bowers
		INQUIRY #:	6045193.2s
LAT/LONG:	32.14888 / 111.133084	DATE:	April 21, 2020 12:36 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: TUBAC

Soil Surface Texture: sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	1 inches	sandy loam	Not reported	Not reported	Max: 4.2333 Min: 1.4111	Max: 8.4 Min: 7.4
2	1 inches	14 inches	loam	Not reported	Not reported	Max: 4.2333 Min: 1.4111	Max: 8.4 Min: 7.4
3	14 inches	31 inches	clay	Not reported	Not reported	Max: 4.2333 Min: 1.4111	Max: 8.4 Min: 7.4
4	31 inches	66 inches	gravelly sandy clay loam	Not reported	Not reported	Max: 4.2333 Min: 1.4111	Max: 8.4 Min: 7.4

Soil Map ID: 2

Soil Component Name: HANTZ

Soil Surface Texture: clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	clay loam	Not reported	Not reported	Max: 1.4111 Min: 0.4233	Max: 9 Min: 7.4
2	11 inches	44 inches	clay	Not reported	Not reported	Max: 1.4111 Min: 0.4233	Max: 9 Min: 7.4
3	44 inches	59 inches	clay	Not reported	Not reported	Max: 1.4111 Min: 0.4233	Max: 9 Min: 7.4

Soil Map ID: 3

Soil Component Name: ANTHONY

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	fine sandy loam	Not reported	Not reported	Max: 141.1111 Min: 42.3333	Max: 8.4 Min: 7.4
2	5 inches	16 inches	stratified loamy sand to very fine sandy loam	Not reported	Not reported	Max: 141.1111 Min: 42.3333	Max: 8.4 Min: 7.4
3	16 inches	22 inches	gravelly loamy sand	Not reported	Not reported	Max: 141.1111 Min: 42.3333	Max: 8.4 Min: 7.4
4	22 inches	51 inches	sandy loam	Not reported	Not reported	Max: 141.1111 Min: 42.3333	Max: 8.4 Min: 7.4
5	51 inches	59 inches	gravelly loamy coarse sand	Not reported	Not reported	Max: 141.1111 Min: 42.3333	Max: 8.4 Min: 7.4

Soil Map ID: 4

Soil Component Name: BUCKLEBAR

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	9 inches	sandy loam	Not reported	Not reported	Max: 14.1111 Min: 4.233	Max: 8.4 Min: 7.4
2	9 inches	37 inches	sandy clay loam	Not reported	Not reported	Max: 14.1111 Min: 4.233	Max: 8.4 Min: 7.4
3	37 inches	59 inches	sandy clay loam	Not reported	Not reported	Max: 14.1111 Min: 4.233	Max: 8.4 Min: 7.4

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS40000036662	1/4 - 1/2 Mile WNW
B5	USGS40000036740	1/2 - 1 Mile North

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

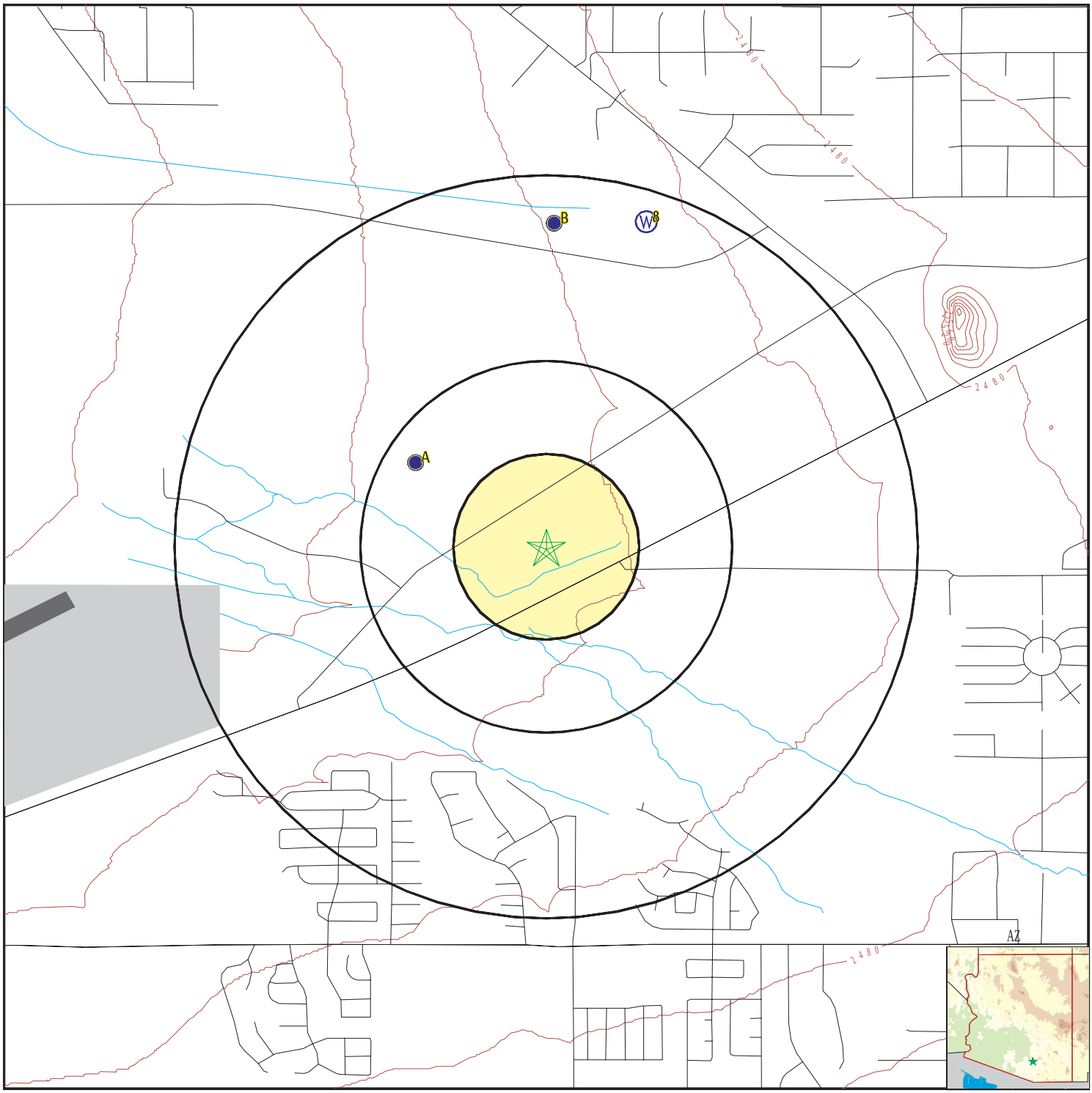
MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	AZ9000000130595	1/4 - 1/2 Mile NW
A3	AZ9000000029290	1/4 - 1/2 Mile NW
A4	AZDEQ1000029709	1/4 - 1/2 Mile NW
B6	AZDEQ1000029708	1/2 - 1 Mile North
B7	AZ9000000041313	1/2 - 1 Mile North
8	AZ9000000099576	1/2 - 1 Mile NNE

PHYSICAL SETTING SOURCE MAP - 6045193.2s



County Boundary
Major Roads
Contour Lines
Airports
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

0 1/4 1/2 1 Miles

Groundwater Flow Direction
GI Indeterminate Groundwater Flow at Location
GV Groundwater Flow Varies at Location
HD Closest Hydrogeological Data
Oil, gas or related wells

N

SITE NAME: Tucson Trap and Skeet Phase I ESA ADDRESS: W. Old Ajo Highway Tucson AZ 85735 LAT/LONG: 32.14888 / 111.133084	CLIENT: Bowers Environmental Consulting CONTACT: Rion Bowers INQUIRY #: 6045193.2s DATE: April 21, 2020 12:36 pm

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Map ID Direction Distance Elevation	Database	EDR ID Number
A1 **WNW** **1/4 - 1/2 Mile** **Lower**	**FED USGS**	**USGS40000036662**

Organization ID:	USGS-AZ	Organization Name:	USGS Arizona Water Science Center
Monitor Location:	D-15-12 05DBC	Type:	Well
Description:	Not Reported	HUC:	15050304
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19730810
Well Depth:	550	Well Depth Units:	ft
Well Hole Depth:	550	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1973-08-10
Feet below surface:	400.00	Feet to sea level:	Not Reported
Note:	Not Reported		

A2 **NW** **1/4 - 1/2 Mile** **Lower**	**AZ WELLS**	**AZ9000000130595**

Database:	Arizona Well Registration Database	Registry ID:	609650
Well Type:	NON-EXEMPT	Owner Name:	TUCSON TRAP & SKEET,
Basin:	TUCSON AMA	Subbasin:	AVRA VALLEY
Watershed:	SANTA CRUZ RIVER	AMA or INA:	TUCSON
Program:	55	Driller License #:	0
Installed:	1973 810	Well Depth:	550
Water Level:	400	Casing Depth:	550
Casing Diameter:	8	Casing Type:	STEEL - PERFORATED OR SLOTTED CASING
RGR Pump Data:	YES	Pump Type:	NO PUMP CODE LISTED
Pump Power:	NO POWER CODE LISTED	Pump Rate:	40
Tested Rate:	0	Draw Down:	0
Drill Log:	Not Reported	Approved:	0
Completion:	Not Reported	Cadastral:	D15012005DBC
Well Cancelled:	Not Reported		

A3 **NW** **1/4 - 1/2 Mile** **Lower**	**AZ WELLS**	**AZ9000000029290**

Database:	Arizona Well Registration Database	Registry ID:	227355
Well Type:	EXEMPT	Owner Name:	TUCSON TRAP & SKEET CLUB
Basin:	TUCSON AMA	Subbasin:	AVRA VALLEY
Watershed:	SANTA CRUZ RIVER	AMA or INA:	TUCSON
Program:	55	Driller License #:	798
Installed:	0	Well Depth:	0
Water Level:	0	Casing Depth:	0
Casing Diameter:	0	Casing Type:	Not Reported
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Drill Log:	Not Reported	Approved:	2017 523

Completion:	Not Reported	Cadastral:	D15012005DBC
Well Cancelled:	Not Reported		

A4
NW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZDEQ1000029709**

Database:	Water Well Information	DWR #:	55-609650
DEQ Well #:	38472	Agency:	ADEQ
Agency Well #:	38472	Location Descrip:	Not Reported
Station Alt Name:	D-15-12 05DBC	Well Depth:	550
Drill Depth:	550	Start Date:	1973 810
Basin:	TUC	Notes:	Not Reported
Well Type:	W	Aquifer Type:	Not Reported
Water Use:	V	Watershed:	SANTA CRUZ

B5
North
1/2 - 1 Mile
Higher

FED USGS **USGS40000036740**

Organization ID:	USGS-AZ	Organization Name:	USGS Arizona Water Science Center
Monitor Location:	D-15-12 05AAA	Type:	Well
Description:	Not Reported	HUC:	15050304
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	19841102
Well Depth:	Not Reported	Well Depth Units:	Not Reported
Well Hole Depth:	296	Well Hole Depth Units:	ft

B6
North
1/2 - 1 Mile
Higher

AZ WELLS **AZDEQ1000029708**

Database:	Water Well Information	DWR #:	Not Reported
DEQ Well #:	38471	Agency:	ADEQ
Agency Well #:	38471	Location Descrip:	Not Reported
Station Alt Name:	D-15-12 05AAA	Well Depth:	0
Drill Depth:	296	Start Date:	198411 2
Basin:	TUC	Notes:	Destroyed.
Well Type:	W	Aquifer Type:	Not Reported
Water Use:	V	Watershed:	SANTA CRUZ

B7
North
1/2 - 1 Mile
Higher

AZ WELLS **AZ9000000041313**

Database:	Arizona Well Registration Database	Registry ID:	509523
Well Type:	OTHER	Owner Name:	BUREAU OF RECLAM,
Basin:	TUCSON AMA	Subbasin:	AVRA VALLEY

Watershed:	SANTA CRUZ RIVER	AMA or INA:	TUCSON
Program:	55	Driller License #:	373
Installed:	198411 3	Well Depth:	0
Water Level:	0	Casing Depth:	0
Casing Diameter:	0	Casing Type:	NO CASING CODE LISTED
RGR Pump Data:	NO	Pump Type:	NO PUMP CODE LISTED
Pump Power:	NO POWER CODE LISTED	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Drill Log:	X	Approved:	0
Completion:	N	Cadastral:	D15012005AAA
Well Cancelled:	Not Reported		

8
NNE **AZ WELLS** **AZ9000000099576**
1/2 - 1 Mile
Higher

Database:	Arizona Well Registration Database	Registry ID:	569577
Well Type:	OTHER	Owner Name:	CENTRAL ARIZONA PROJECT
Basin:	TUCSON AMA	Subbasin:	AVRA VALLEY
Watershed:	SANTA CRUZ RIVER	AMA or INA:	TUCSON
Program:	55	Driller License #:	611
Installed:	1999 2 5	Well Depth:	530
Water Level:	0	Casing Depth:	0
Casing Diameter:	0	Casing Type:	Not Reported
RGR Pump Data:	NO	Pump Type:	Not Reported
Pump Power:	Not Reported	Pump Rate:	0
Tested Rate:	0	Draw Down:	0
Drill Log:	X	Approved:	1998 717
Completion:	Not Reported	Cadastral:	D15012004BBA
Well Cancelled:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for PIMA County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for PIMA COUNTY, AZ

Number of sites tested: 242

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.372 pCi/L	94%	6%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.600 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Riparian Vegetation Associated with Perennial Waters
Source: State Land Department
Telephone: 602-542-4094

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Arizona Well Registration Database
Source: Department of Water Resources
Telephone: 602-771-8535
The Wells database contains all wells registered in the state.

Water Well Information
Agency: Department of Environmental Quality
Telephone: 602-771-2300

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Source: Arizona Geological Survey
Telephone: 520-770-3500
This database contains Oil and Gas wells in the State of Arizona. Includes all wells that have been permitted by the State Oil and Gas Conservation Commission (OGCC). Gas wells include natural gas, helium, and carbon dioxide wells.

RADON

State Database: AZ Radon
Source: Arizona Radiation Regulatory Agency
Telephone: 602-255-4845
State Indoor Radon Survey

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

STREET AND ADDRESS INFORMATION

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APPENDIX F
ENVIRONMENTAL PROFESSIONAL'S RESUME

RION J. BOWERS, M.S.

BOWERS
Environmental Consulting

4502 W. Ironwood Hill Drive
Tucson, Arizona 85745

(520)•909•8604/rionbowers@gmail.com

AREAS OF EXPERTISE

- Ecology/Biological Sciences
- Environmental Planning
- Regulatory Compliance and Permitting
- Clean Water Act (CWA)
- National Environmental Policy Act (NEPA)
- Endangered Species Act (ESA)
- Resource Conservation and Recovery Act (RCRA)

EDUCATION

- M.S., Ecology/Natural Resource Policy, University of West Florida, 1997
- B.A., Biology, State University of New York, 1985

EXPERIENCE

- Bowers Environmental Consulting, President
- SWCA Environmental Consultants, Senior Project Manager
- WestLand Resources, Inc., Senior Biologist
- Stantec Consulting, Environmental Scientist

PROFESSIONAL TRAINING AND CERTIFICATION

- Desert Tortoise Council; Desert Tortoise Surveying, Monitoring and Handling Workshop
- Arizona Game and Fish Department Burrowing Owl Survey Certificate
- Comprehensive National Environmental Policy Act Training
- Arizona Game and Fish Department Southwestern Willow Flycatcher Survey Certificate
- Hazwoper (40 Hrs) 29 CFR 910.120(E)

EXPERIENCE SUMMARY

Mr. Bowers is a Senior Scientist who specializes in environmental planning, biological and ecological studies, and facilitating compliance with federal, state, and local environmental regulations. He has experience managing a wide variety of projects including complex, multidisciplinary, environmental permitting and planning projects. He has over 24 years of professional experience assisting clients in complying with CWA, ESA, NEPA, RCRA and other federal, state, and local environmental regulations. Some of his clients include Native Tribes, electrical power utilities, telecommunications, hard rock mining, sand and gravel mining, residential and commercial development and state and federal transportation departments. His experience in several core environmental disciplines is summarized in the following paragraphs.

Natural Resources Management & Planning – Mr. Bowers has completed numerous biological evaluations and assessments, plant and wildlife survey, and habitat assessments to support projects in Arizona, New Mexico and throughout the southwestern United States. He holds a federal Section 10 Research and Recovery permit for several threatened and endangered species, and has facilitated informal and formal ESA Section 7 consultations with the U.S. Fish and Wildlife Service (FWS). He develops and implements habitat mitigation and monitoring plans, and facilitates the NEPA process including public participation and scoping, alternatives and resource analysis, Interdisciplinary Team coordination and preparation of technical reports.

CWA and Regulatory Permitting – He has extensive experience facilitating the Section 404 permitting process and coordinating with the U.S. Army Corps of Engineers (USACE). Mr. Bowers has conducted jurisdictional delineations on over 200,000 acres and developed numerous Pre-Construction Notifications (PCN) for projects authorized under the Nationwide Permit program. He has also facilitated over 30 Individual Permit applications and supporting studies including 404(b)(1) alternatives analysis, Environmental Assessment (EA), public notification, compensatory mitigation plans, and 401 state water quality certifications.

Wetlands and Water Resources – Mr. Bowers has conducted wetland delineations developed constructed wetlands for wastewater treatment, and as mitigation for projects impacting wetland resources. He also develops storm water pollution prevention plans (SWPPP) and National Pollution Discharge Elimination System (NPDES) permits.

Facility Planning and Site Assessments – He is experienced in conducting facility siting and planning studies for utility companies, governmental agencies, Native American Indian Tribes, private developers, and mine operators. Major duties for these projects include: conduct feasibility studies, constraints analysis, compliance reviews, environmental due diligence and coordination with stakeholders.

Featured Phase I ESA and PISA Projects

- Sycamore Canyon Residential Development – Conducted an AAI/Phase I ESA on 640-acres of open rangeland in Pima County, Arizona.
- Green Valley Hospital – Conducted an AAI/Phase I ESA to support refinancing of this existing medical facility located in Green Valley, Arizona.
- Thunder Materials Source Preliminary Initial Site Assessment (PISA) – Conducted a PISA to support the ADOT application for an aggregate materials source located in Show Low, Arizona.
- FANN Ecology Materials Source – Completed a PISA and additional due diligence to support the ADOT application for an aggregate materials source located in La Paz County, Arizona.
- Moore Road Residential Subdivision – Conducted an AAI/Phase I ESA on 10 acres of undeveloped private land to support real estate transaction.
- Abengoa Solar Generating Station – Completed an AAI/Phase I ESA on the Worlds largest solar generation station that includes the 3,000-acre solar facility and 20 mile transmission line, Gila Bend, AZ.
- Whiteriver City Center – Conducted an AAI/Phase I ESA and lead sampling and testing on 18 multi-family residential units and surrounding property located on the Whiteriver Apache Indian Reservation in Whiteriver, Arizona.
- Sabino and River East Residential Development – Conducted an AAI/Phase I ESA on 22 acres of undeveloped land, Tucson, AZ.
- Sabino and River West Residential Development – Conducted an AAI/Phase I ESA and biological evaluation on 7 acres of undeveloped land, Tucson, AZ.
- San Simon Farms - Conducted and AAI/Phase I ESAs on 8 individual farms located in the San Simone Valley, Cochise County, Arizona. These assessments supported the Farmers Investment Company purchase of the farms that will be used for growing pecans.
- Casitas Residential Development at Tanque Verde and Pantano Roads – Conducted an AAI/Phase I ESA on a former golf driving range occupying 16 acres for a residential development, Tucson, AZ.
- Casitas Residential Development at River and La Cholla – Conducted a Phase I ESA, biological evaluation and jurisdictional delineation on 15 acres, Tucson, AZ.
- Zonia Mine Due Diligence – Conducted an AAI/Phase I ESA and environmental due diligence on a 2000-acre copper mine site, Yavapai County, Arizona.
- 20,000-acre Residential Development Project – Conducted an AAI/Phase I ESA and Phase II clean up of oil drums on agricultural lands located south of Interstate 8 in Gila Bend, AZ.
- ASLD 160-acre Solar Site – Conducted an AAI/Phase I ESA on 160-acres of State Land in preparation for a solar site, Ehrenberg, AZ
- El Rio Medio Project– Conducted an AAI/Phase I ESA on 9 square miles centered on the Santa Cruz River between Congress and Prince Roads in Tucson, AZ.
- Fort Yuma Trailer Village – Conducted an AAI/Phase I ESA and Biological Review on former 25-acre mobile home park on the Fort Yuma Indian Reservation, CA.
- Orange Grove Casitas – Conducted an AAI/Phase I ESA and biological evaluation on 20 acres on Orange Grove Road, Tucson, AZ.