PHASE I
ENVIRONMENTAL SITE ASSESSMENT

VALENCIA & HOUGHTON
SOUTHWEST AREA OF VALENCIA & HOUGHTON
TUCSON, ARIZONA

PREPARED FOR
Pulte Group

PREPARED BY

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OCTOBER 5, 2018

Valid for a period of 180 days from the date of the Site reconnaissance on September 7, 2018.

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October 5, 2018

Pulte Group

Attention: Mr. Sam Mills

ProTeX Project: No. 8246

Subject: **PHASE I ENVIRONMENTAL SITE ASSESSMENT**
Valencia & Houghton Project
Southwest Area of Valencia & Houghton
Tucson, Arizona

In accordance with your request, ProTeX the PT Xperts, LLC. (ProTeX) has completed a Phase I Environmental Site Assessment (ESA) of Valencia & Houghton Project (the Site). Services were conducted in general conformance with the scope and limitations of the American Society of Testing and Materials E1527-13, "*Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*", which is approved to meet the requirements of the federal All Appropriate Inquiry (AAI) standards as set forth in the Code of Federal Regulations, Title 40, Section 312 (40 CFR 312).

This ESA has revealed no Recognized Environmental Conditions (RECs), no historical RECs, no controlled RECs, or potential for vapor intrusion on the Site. No incident reports were found during environmental record reviews that would indicate historic or current releases of hazardous substances or petroleum products on nearby property with the potential to migrate to the Site.

This assessment has been prepared for the exclusive use of, and may be relied upon by Pulte Group, their successors, and assignees. It is valid for a period of 180 days from the date of the Site reconnaissance conducted September 7, 2018.

We appreciate this opportunity to be of service. If you have any questions concerning our report, or if we can be of further service, please contact us at (602) 272-7891.

Sincerely,
ProTeX, the PT Xperts

Registered Professional Engineer (Civil)
CERTIFICATE NO.
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RITTER
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Expires

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1.0 EXECUTIVE SUMMARY

ProTeX, the PT Xperts, LLC. (ProTeX) has performed a Phase I Environmental Site Assessment (ESA) for Valencia & Houghton Project in Tucson, Arizona. Our services were conducted in general conformance with the scope and limitations of the American Society of Testing and Materials (ASTM) E1527-13, "*Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*", which is approved to meet the requirements of the federal All Appropriate Inquiry (AAI) standards as set forth in the Code of Federal Regulations, Title 40, Section 312 (40 CFR 312). Any additions or deletions from our scope of services are discussed in the appropriate sections of this assessment.

The Site is approximately 345 acres of heavily vegetated native desert in Tucson, Pima County, Arizona; Sections 23, Township 15 S, Range 15 E of the Gila and Salt River Baseline and Meridian. According to the Pima County Assessor's website, the property consists of one (1) parcel, Pima County Assessor Parcel Number APN 141010130, owned by State of Arizona.

Reconnaissance of the Site was conducted by John Ritter and Joseph Lopez of ProTeX on September 7, 2018. No soil staining, spills, or other Recognized Environmental Conditions (RECs) were found on the site. The parcel is native desert. As of the date of Site reconnaissance *De Minimus* trash was observed on the Site.

Historical aerial review indicates that the Site has been undeveloped desert since the earliest available aerial, dated 1936.

This assessment has revealed no evidence of recognized environmental conditions in connection with the Site. No incident reports were found during environmental record reviews that would indicate historic or current releases of hazardous substances or petroleum products on the Site, or on nearby property with the potential to migrate to the Site.

It should be noted that, during the preparation of this ESA the property's historical use could not be identified in 5 years intervals. In accordance with ASTM E1527-13, "*Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*", this constitutes a data failure; to identify all obvious uses of the property within 5 year intervals. All reasonably ascertainable standard historical sources, likely to be useful, have been reviewed, and yet the historical research objectives of ASTM E1527-13 have not been met (that is review of historical data back in 5 year intervals). Based on Historical Aerials obtained it is this firms opinion that the Site and the Surrounding area has been native desert land since 1936. Therefore, the lack of historical aerials in 5 year intervals is not likely to impact the Site.

It should be noted that during the preparation of this ESA the Past Owners of the property were not identified beyond the current owner. According to ASTM E1527-13 this is considered a data failure. This data failure does not represent a SIGNIFICANT DATA GAP as defined in ASTM E1527-13, and therefore does not hinder the ability to identify recognized environmental conditions (RECs). It is this firm's opinion, based on aerial photography, that the Site has been native desert land since 1936, therefore the lack of past owner interviews is not likely to impact the Site.

In addition, during the preparation of this ESA the Local Agency Interview was not completed. According to ASTM E1527-13 this is considered a data failure. This data failure does not represent a SIGNIFICANT DATA GAP as defined in ASTM E1527-13, and therefore does not hinder the ability to identify recognized environmental conditions (RECs). It is this firm's opinion that the Local Agency information will not likely impact the Site and or become duplicative of information already gathered from other local and state sources.

This executive summary does not contain all the information that is found in the full report. It is recommended to read the entire report to aid in any decisions made or actions taken based on this information.

2.0 INTRODUCTION

2.1 PURPOSE

The purpose of this Phase I ESA was to identify and evaluate actual and potential environmental conditions involving the Site. Phase I ESAs are not intended to determine the degree or extent of contamination, if any.

2.2 SCOPE OF WORK

This Phase I ESA was performed in general accordance with ASTM E1527-13, based upon reasonably ascertainable information and observations. The following services were provided:

- The site and surrounding properties were walked where accessible (gated backyards of adjacent residential properties were not observed) to visually assess current utilization and indications of potential surface contamination. The Site was traversed until the entire site had been surveyed. Adjacent homes were not entered as part of this assessment.

- A reconnaissance of the surrounding area for approximately one-half mile was conducted, without entering the properties, making observations concerning property uses, conditions, and housekeeping.

- A review of the geologic and hydro-geologic settings was conducted using reasonably ascertainable public records and documents.

- An environmental database report was obtained from a data service provider. This database report compiles and locates all known "hazardous waste" facilities within specific minimum search distances as defined by ASTM E1527-13. If necessary, additional information on identified facilities was gathered by a file review at the appropriate federal, state, local, and/or tribal regulatory agency.

- A review of reasonably ascertainable historical records (including aerial photographs, topographic maps, building records, chain-of-title documents, and city directories) was conducted to assess the historical land utilization and indications of potential contamination or sources of contamination for the site.

- This report was prepared, which relates the findings of this study and presents our conclusions and recommendations.

Specific items not included in this Scope of Services are water analysis, asbestos containing materials analysis, radon analysis, lead-based paint analysis, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, high voltage power lines, and other items not within the scope of ASTM E1527-13.

2.3 Significant Assumptions

It is specifically assumed that Pulte Group has provided ProTeX with available environmental reports and known current or historic uses of hazardous materials or other specialized knowledge of the site and surrounding area.

2.4 Limitations and Exceptions

This Phase I ESA was performed in general accordance with ASTM E1527-13 and as authorized by Pulte Group. Sampling of soil or groundwater for environmental testing is not included in these services. The report and its contents should not be relied upon by any party other than Pulte Group and their immediate assignees without the express written consent of ProTeX.

The findings, conclusions, and recommendations made in this report are based in most instances on public records, and information provided to ProTeX by Pulte Group. The information is relevant to the date of our site work and should not be relied on to represent conditions at any later date. The opinions and conclusions expressed herein are based on information obtained during our assessment and on our experience and current standards of technical practice. ProTeX makes no other warranties, either express or implied, concerning the completeness of the data furnished to us. ProTeX cannot be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time our assessment was undertaken. ProTeX is not responsible, nor liable for work, testing or recommendations performed or provided by others. This Phase I ESA is not and should not be construed as a warranty or guarantee about the presence or absence of environmental hazards or contaminants, which may affect the Site. Facts, conditions, and acceptable risk factors change with time; accordingly, this report should be viewed within this context.

Specific limitations to the scope of ASTM E1527-13 due to contract limitations, availability of resources, and/or encountered site conditions are discussed in the appropriate section(s) of this report.

2.5 Reliance

This assessment has been prepared for the exclusive use of, and may be relied upon by Pulte Group, their successors, and assignees. It is valid for a period of 180 days from the date of the Site reconnaissance conducted September 7, 2018. Third party reliance letters may be issued upon request for a fee. All third parties relying on this report, by such reliance, agree to be bound by the General Conditions and Limitations agreed to by Pulte Group. No reliance by any party is permitted without such agreement, regardless of the content of the reliance letter itself.

3.0 DESCRIPTION OF SITE AND SURROUNDING AREA

The objective of describing the site and surrounding area is to document current conditions as observed and to obtain information which would indicate the likelihood of a recognized environmental condition in connection with the site.

3.1 SITE LOCATION AND LEGAL DESCRIPTION

The Site is approximately 345 acres of heavily vegetated native desert in Tucson, Pima County, Arizona; Sections 23, Township 15 S, Range 15 E of the Gila and Salt River Baseline and Meridian. According to the Pima County Assessor's website, the property consists of one (1) parcel, Pima County Assessor Parcel Number APN 141010130, owned by State of Arizona

3.2 SITE AND VICINITY GENERAL CHARACTERISTICS

The Site is part of a large area of relatively untouched native desert in Tucson, Arizona. The Site is fenced in area on the north side. The Site is characterized by thick expanses of cactus and native desert trees. Access to the Site is limited by the dense vegetation. Small trails travesere the Site on the south east to northeast corners of the parcels. Residential homes are adjacent to the South. As of the date of Site reconnaissance on June 13th, 2018 ProTeX observed areas cleared by track hoe. In addition, Debris observed were *De Minimus* glass, concrete, and aspahlt.

3.3 PROPERTY DESCRIPTION AND CURRENT USE

The Site is currently native undeveloped desert land.

HAZARDOUS SUBSTANCES

No potentially hazardous substances were observed on the site or adjoining properties during the site reconnaissance. Rear yards and interiors of adjoining residential property were not observed as part of the reconnaissance other than what could be observed from the Site.

STORAGE TANKS

No evidence of underground storage tanks (such as vent pipes, fill pipes, regular-shaped depressions, etc.) was observed during the Site reconnaissance.

POLY-CHLORINATED BIPHENYLS (PCBS)

No PCB containing electrical transformers were observed on the Site.

CONTROLLED SUBSTANCES

Environmental Data Resources, Inc. (EDR) Radius Map Reports (Appendix D) were reviewed for clandestine drug lab sites. No record of historical clandestine lab use was found and there was no indication of clandestine drug activity on the Site during the site reconnaissance.

INDICATIONS OF SOLID WASTE DISPOSAL

There were no areas of bulk solid waste disposal observed during the site reconnaissance.

UTILITY SUPPLY

Gas Utilities are supplied and maintained by local utility providers.

GROUNDWATER WELLS

The EDR Radius Map Report (Appendix D) was reviewed for wells on Site and on surrounding properties. No wells indicated on Site. There are two (2) groundwater wells within a ¼ mile around the Site.

SEPTIC SYSTEMS

There is no evidence of septic systems on the Site.

DRAINAGE

Several small washes run through the property.

OTHER CONDITIONS OF CONCERN

No indications of leach fields, cesspools, or other conditions of concern were observed during the site reconnaissance that would indicate a recognized environmental condition.

3.4 CURRENT ADJOINING PROPERTY USE

The Site is completely bounded by Residential to the West and South. Native Desert to the North, and commercial gas station to the east.

4.0 CLIENT PROVIDED INFORMATION

4.1 INTERVIEWS

As required by ASTM E1527-13, ProTeX attempted to interview a representative for the property owner and the prospective buyer, by way of a Property Questionnaire. A questionnaire is generally provided to assist in identifying potential problems at the subject property. An affirmative or unknown answer to a question may be an indication of a recognized environmental condition at the subject property.

Mr. Sam Mills, Pulte Group, completed a User Property Questionnaire on 10/04/2018 and returned it to ProTeX on 10/04/2018. Mr. Micah Horowitz, representative of Arizona State Land Department, completed an Owner Questionnaire on 9/11/2018 and returned it on 10/04/2018. Responses to the questions were reviewed and revealed no impact to the Site, and therefore do not indicate any RECs in relation to the Site. The completed Questionnaires are presented in Appendix B.

4.2 TITLE RECORDS

Chain-of-Title documents for the site were not provided to ProTeX.

4.3 REASON FOR PERFORMING PHASE I ESA

This Phase I ESA was performed at the request of Pulte Group to qualify as an Innocent Landowner in the event it should become necessary and to fulfill requirements of their lender.

4.4 OTHER USER PROVIDED INFORMATION

Other user provided information includes a Tentative Block Plat for Valencia & Houghton Project.

5.0 PROPERTY PHYSICAL SETTING

Surface and subsurface environments are of interest because they control the movement of water-born contaminants, which could be transported to and from the Site. ProTeX reviewed information regarding the physical setting of the Site and immediate surrounding area.

5.1 GEOLOGY AND SOILS

The site is located in the Santa Cruz River watershed within the Upper Santa Cruz Sub-basin of the Tucson Active Management Area (AMA). The Tucson AMA covers 3,866 square miles in southern Arizona and is in the basin and range physiographic province which is characterized by broad, gently sloping alluvial basins separated by north to northwest, trending fault block mountains. The AMA includes portions of Pima, Pinal and Santa Cruz Counties, and five incorporated cities and towns: Tucson, South Tucson, Tucson, Vail and Sahuarita. The Pascua Yaqui tribal lands, part of the Schuk Toak District, and the entire San Xavier District of the Tohono O'odham Nation are within the AMA. Surface elevations range from 1,770 feet just north of Picacho Peak to 9,453 feet at Mt. Wrightson in the Santa Rita Mountains.

Soil in the area of the Site is classified as TUBAC gravelly loam.

5.2 TOPOGRAPHY

According to the USGS 7.5' Digital Elevation Model, the area of the subject property, within a one (1) mile radius, is located at approximately 2,931 feet above sea level (ASL) and generally slopes to the north northwest.

5.3 VICINITY SURFACE DRAINAGE

Surface drainage in the vicinity of the Site runs generally north northwest and is intercepted by several channels.

5.4 GROUNDWATER

According to the published maps, the Tucson AMA includes approximately 3,869 square miles of mostly Sonoran Desert and is characterized by mid to high elevation mountains and broad alluvial basins. The major urban area, consisting of several incorporated cities, is largely surrounded by land devoted to agriculture, sparse development and open desert. Major aquifers are recent stream alluvium and basin fill. In the Upper Santa Cruz Sub-basin, groundwater flows from the mountains along the eastern AMA boundary toward the center of the AMA, then north-northwest. In the Avra Valley Sub-basin, groundwater flows from south to north. The subject property lies within the Upper Santa Cruz Sub-Basin.

6.0 ENVIRONMENTAL REGULATORY RECORDS REVIEW

The records review of Valencia & Houghton Project is conducted to help identify known recognized environmental conditions at the Site and/or on adjacent or nearby properties which may have impacted the Site.

6.1 ENVIRONMENTAL DATABASE RECORDS SEARCH

EDR was contracted to provide a review of the standard federal and state environmental record sources. A map by EDR has been supplied depicting the location of identified sites relative to the site. Refer to Appendix D for a complete listing. Additionally, orphan or un-mapped sites provided by EDR were reviewed for the approximate minimum search distance noted and included in our discussion, if applicable.

ENVIRONMENTAL DATABASE	MINIMUM SEARCH DISTANCE	SITE	ADJACENT	TOTAL LISTED
U.S. Environmental Protection Agency (USEPA) - National Priorities List (NPL), including delisted NPL	1.0 Mile	0	0	0
USEPA - Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS), including NFRAP* sites	0.5 Mile	0	0	0
USEPA – Resource Conservation and Recovery Act (RCRA), Corrective Action Facilities (CORRACTS)	1.0 Mile	0	0	0
USEPA – RCRA, Transportation, Storage, and Disposal facilities (TSD)	0.5 Mile	0	0	0
USEPA - RCRA Generators	Site and Adjacent	0	0	0
USEPA – Emergency Response Notification System (ERNS)	Site	0	N/A	0
Federal institutional control/engineering control registries	Site	0	N/A	0
Arizona Division of Environmental Quality (ADEQ) Arizona Superfund Program List (ASPL)	0.5 Mile	0	0	1
ADEQ Solid Waste Landfills	0.5 Mile	0	0	0
ADEQ – Leaking Underground Storage Tanks (LUST)	0.5 Mile	0	1	1
ADEQ – Underground Storage Tanks (UST)	0.25 Mile	0	2	2
ADEQ – Aboveground Storage Tanks (AST)	0.25 Mile	0	0	0
State institutional control/engineering control registries	Site	0	N/A	0
Local and/or Tribal databases	1.0 Mile	0	0	0

ENVIRONMENTAL DATABASE	MINIMUM SEARCH DISTANCE	SITE	ADJACENT	TOTAL LISTED
State Registered Dry Well List	Site	0	N/A	0
*NFRAP = No Further Remedial Action Planned N/A = Not Applicable				

6.2 DISCUSSION OF REGULATORY RECORDS

NATIONAL PRIORITY LIST

The National Priority List (NPL) is the EPA's list of confirmed or proposed Superfund sites. The NPL is searched for a distance of 1.0 mile around the Site.

The Site does not appear on the NPL and there are no facilities on the NPL list within the 1.0 mile search radius of the site.

CERCLIS LIST

The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) is a database of sites the EPA has investigated or is currently investigating for release or threatened release of hazardous substances. The CERCLIS list is searched for a distance of 0.5 mile around the Site.

The Site does not appear on the CERCLIS list and there are no facilities on the CERCLIS list within the 0.5 mile search radius of the Site.

RESOURCE CONSERVATION AND RECOVERY ACT

The Resource Conservation and Recovery Act (RCRA) compile selective information on facilities that generate, transport, store, treat and or dispose of hazardous waste. RCRA facilities can be listed on one of three databases:

- *Corrective Action Facilities (CORRACTS)* are facilities undergoing corrective action. A corrective action order is issued pursuant to RCRA Section 3008(h) when there has been a release of hazardous waste or constituents into the environment from a RCRA facility. The CORRACTS list is searched for a distance of 1.0 mile around the Site. The Site does not appear on the CORRACTS list and there are no facilities on the CORRACTS list within the search radius.

- *Transportation, Storage, and Disposal Facilities (TSD)* includes facilities that transport, store or dispose of hazardous waste and are not listed on the RCRA Generators list. The TSD list is searched for a distance of 0.5 mile around the Site. The Site does not appear on the RCRA TSD list and there are no facilities on the RCRA TSD list within the search radius.

- *Generators List* identifies and tracks hazardous waste from the point of generation to the point of disposal. The RCRA Generators database is a compilation by the EPA of reporting facilities that generate hazardous waste. The RCRA generators list is searched for the Site and adjacent properties for a distance of 0.25 mile around the Site. The Site does not appear on the RCRA Generators list. There is one facility on the RCRA Generators list within the search radius.

  Calmat Companies, 7501 S Houghton Road, Tucson, AZ 85747, located approximately 0.020 mile east of the Site, is the location of a Conditionally Exepmt Small Quantity Generator. This location is not a REC in relation to the Site.

EMERGENCY RESPONSE NOTIFICATION SYSTEM

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported releases of oil or hazardous substances. The ERNS list is searched for the site. The Site does not appear on the ERNS list.

FEDERAL INSTITUTIONAL CONTROL/ENGINEERING CONTROL REGISTRIES

The USEPA maintains two databases that list sites that have institutional and/or engineering controls in place as part of their operations. These databases are searched for the site. The Site does not appear on either of these databases.

ARIZONA SUPERFUND PROGRAM LIST (ASPL)

The Arizona Superfund Program List (ASPL) is a list of sites, which may have an actual or potential impact upon the waters of the State. The ASPL consists of the following three elements: Water Quality Assurance Revolving Fund (WQARF) Registry sites, National Priorities List (NPL) sites, and Department of Defense (DOD) sites. The Site does not appear on the ASPL. There is one (1) facility on the ASPL within the 1.0 mile search radius of the Site.

Davis Monthan Air Force Base, Tucson, Arizona, is the locations of a known Superfund Site and Department of Defense Site. This location is a region of contaminated groundwater located within the ¼ to ½ mile of the Site. The Arizona Department of Environmental Quality (ADEQ) provides oversight of remdiation activities. Soil Vapor Extraction measures are in place. Municpal Water is supplied well outside the Site.

SOLID WASTE FACILITIES LIST

The ADEQ Waste Programs Division Recycling and Data Management Unit maintain a list of solid waste facilities identified as active or closed. The Site does not appear on the Solid Waste Facilities (SWL) list and there are no facilities on the SWL list within 0.5 mile of the Site.

LEAKING UNDERGROUND STORAGE TANKS LIST

The Arizona Leaking Underground Storage Tanks (LUST) list is a compilation of petroleum storage tank sites that have reported a release. The LUST list is searched for a distance of 0.5 mile around the Site. The Site does not appear on the LUST list. There are two (2) facilities on the LUST list within the search radius.

US West #123446- Tucson SE SOC, 7655 S. Houghton Road, Tucson, AZ 85747, located approximately 0.082 mile east south east of the Site, is the location of leaking underground storage tanks. These tanks were closed in 1991 and meets tier 1 soil requirements. This location is not a REC in relation to the Site.

Sundt Corp- Houghton Road, 7451 S. Houghton Road, Tucson, AZ 85747, located approximately 0.121 mile east of the Site, is the location of leaking underground storage tanks. These tanks were closed in 1996 and meet tier I soil requirements. This location is not a REC in relation to the Site.

UNDERGROUND STORAGE TANKS LIST

The Arizona Underground Storage Tank (UST) list is a compilation of underground petroleum storage tank sites registered with the state of Arizona. The UST list is searched for a distance of 0.25 mile around the Site. The Site does not appear on the UST list. There is one (1) UST within the search radius.

Giant #6620, 7335 S Houghton Road, Tucson, AZ 85747, located approximately 0.057 mile east of the Site, is the location of underground storage tanks. This location is not a REC in relation to the Site.

US West #123446- Tucson SE SOC, 7655 S. Houghton Road, Tucson, AZ 85747, located approximately 0.082 mile east south east of the Site, is the location of underground storage tanks. See LUST list for more information.

Sundt Corp- Houghton Road, 7451 S. Houghton Road, Tucson, AZ 85747, located approximately 0.121 mile east of the Site, is the location of underground storage tanks. See LUST list for more information.

ABOVEGROUND STORAGE TANKS LIST

The Arizona Aboveground Storage Tank (AST) list is a compilation of aboveground storage tank sites registered with the state of Arizona. The AST list is searched for a distance of 0.25 mile around the Site. The Site does not appear on the AST list.

STATE INSTITUTIONAL CONTROL/ENGINEERING CONTROL REGISTRIES

ADEQ maintains a listing of deed/land use restrictions for institutional or engineering control as part of its Brownfields Program. This list is searched for the Site and adjacent

properties. The Site does not appear on this list as subject to a Declaration of Environmental Use Restriction (DEUR). There are no adjacent facilities that appeared on this list.

6.3 Local Regulatory Agency Records

Fire departments serving Tucson, Arizona were not contacted regarding underground or aboveground storage tanks, hazardous materials, emergency response, spills, permitting, inspections, or additional information of an environmental or hazardous nature due to the lack of structures on the Site and lack of a historical address.

No local agency records were searched beyond those included in the attached EDR Radius Report (Appendix D, The EDR Radius Map Report with GeoCheck).

It should be noted; during the preparation of this ESA the Local Agency Interview was not completed. According to ASTM E1527-13 this is considered a data failure. This data failure does not represent a SIGNIFICANT DATA GAP as defined in ASTM E1527-13, and therefore does not hinder the ability to identify recognized environmental conditions (RECs). It is this firm's opinion that the Local Agency information will not likely impact the Site and or become duplicative of information already gathered from other local and state sources.

7.0 SITE AND SURROUNDING AREA HISTORY

In order to construct the history of the Site and the surrounding area, ProTeX reviewed reasonably ascertainable public documents, including aerial photographs, topographic maps, building records, city directories, fire insurance maps, and county assessor history records.

7.1 Historical Site Usage

Aerial Photograph Review

Aerial photographs dated 1936 through 2017 (EDR Aerial Photo Decade Package) and 1992 through 2017 (Google Earth) were reviewed. The Site has been desert land since the earliest available aerial photograph, dated 1936. Around 1957 several dirt utility roads are visible on Site. The Site and surrounding area remains relatively unchanged to date.

Topographic Map Review

USGS topographic maps were reviewed for the years 1904, 1905, 1948, 1957, 1968, 1971, 1982, 1983, 1995, 1996, 1997 and 2014. Review of these topographic maps does not indicate the presence of a REC in connection with the Site.

City Directory Review

A city directory review was conducted by EDR to assist in evaluation of potential liability on the Site from past activities. The EDR reports include a search of available directories from 1926 through 2003; approximately every five (5) years. The Site was not identified in the city directory (see Appendix B for listings).

Sanborn Map Review

Sanborn Fire Insurance Maps were researched by EDR and none were found for the Site (unmapped).

7.2 Historical Immediately Surrounding Property Usage

Aerial Photograph Review

Aerial photographs dated 1936 through 2017 (EDR Aerial Photo Decade Package) and 1992 through 2017 (Google Earth) were reviewed. The immediate adjacent surrounding property is untouched desert land. In 1966 Houghton and Valencia Road are visible. By 1980 buildings are visible to the East. Around 1991 residential development began to the south and was completed by 2003. The surrounding area remains realtively unchanged to date.

Topographic Map Review

USGS topographic maps were reviewed for the years 1904, 1905, 1948, 1957, 1968, 1971, 1982, 1983, 1995, 1996, 1997 and 2014. Review of these topographic maps does not indicate the presence of a REC in connection with the Site.

City Directories

A city directory review was conducted by EDR to assist in evaluation of potential liability on the Site from past activities. The EDR reports include a search of available directories from 1926 through 2003; approximately every five (5) years. Information for surrounding properties was not identified (see Appendix B for listings).

Sanborn Map Review

Sanborn Fire Insurance Maps were researched by EDR and none were found for the immediate surrounding property (unmapped).

7.3 Historical Use Summary

Historical aerial review indicates that the Site has been undeveloped desert since the earliest available aerial, dated 1936. Dirt paths for utility roads were cleared approximately in 1957. The Site remains relatively unchanged to date.

8.0 SIGNIFICANT DATA GAPS

No Significant Data Gaps were encountered during the preparation of this Phase I ESA.

It should be noted that, during the preparation of this ESA the property's historical use could not be identified in 5 years intervals. In accordance with ASTM E1527-13, "*Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*", this constitutes a data failure; to identify all obvious uses of the property within 5 year intervals. All reasonably ascertainable standard historical sources, likely to be useful, have been reviewed, and yet the historical research objectives of ASTM E1527-13 have not been met (that is review of historical data back in 5 year intervals). Based on Historical Aerials obtained, it is this firms opinion that the Site and the Surrounding area has been native desert land since 1936. Therefore, the lack of historical aerials in 5 year intervals is not likely to impact the Site.

It should be noted that during the preparation of this ESA the Past Owners of the property were not identified beyond the current owner. According to ASTM E1527-13 this is considered a data failure. This data failure does not represent a SIGNIFICANT DATA GAP as defined in ASTM E1527-13, and therefore does not hinder the ability to identify recognized environmental conditions (RECs). It is this firm's opinion, based on aerial photography, that the Site has been untouched native desert land since approximately 1936, therefore the lack of past owner interviews is not likely to impact the Site.

In addition, during the preparation of this ESA the Local Agency Interview was not completed. According to ASTM E1527-13 this is considered a data failure. This data failure does not represent a SIGNIFICANT DATA GAP as defined in ASTM E1527-13, and therefore does not hinder the ability to identify recognized environmental conditions (RECs). It is this firm's opinion that the Local Agency information will not likely impact the Site and or become duplicative of information already gathered from other local and state sources.

These data failures do not represent a SIGNIFICANT DATA GAP as defined in ASTM E1527-13, and therefore does not hinder the ability to identify recognized environmental conditions (RECs).

Therefore, it is our opinion that the conclusions and recommendations of this assessment are not likely to change if additional historic information becomes available.

9.0 CONCLUSIONS AND RECOMMENDATIONS

A Phase I Environmental Site Assessment (ESA) of Valencia & Houghton Project, Tucson, Arizona was performed in general conformance with the scope and limitations of ASTM E1527-13, Standard Practice for Environmental Site Assessments; Phase I Environmental Site Assessment Process.

This ESA has revealed no RECs, no historical RECs, no controlled RECs, or potential for vapor intrusion on the Site. No incident reports were found during environmental record reviews that would indicate historic or current releases of hazardous substances or petroleum products on nearby property with the potential to migrate to the Site.

10.0 CERTIFICATIONS

I, Mr. John Ritter, 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 and, I, Mr. John Ritter have the specific qualifications based on education, training and experience to assess a property of the nature, history, and setting of the subject property. I, Mr. John Ritter, have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR 312. The qualifications of the Environmental Professional are included in Appendix E.

If you have any questions, or if we can be of further service, please contact us at 602-272-7891.

Respectfully submitted,
ProTeX the PT Xperts, LLC.

Joseph D. Lopez
Environmental Services

Registered Professional Engineer (Civil)
CERTIFICATE NO.
11315
JOHN B.
RITTER
Date Signed 10-5-18
ARIZONA U.S.A.
Expires

Expires: 3/31/2019
John B. Ritter, P.E.

11.0 REFERENCES

PIMA COUNTY ASSESORS

- https://pimamaps.pima.gov/Html5Viewer/index.html?configBase=https://pimamaps.pima.gov/Geocortex/Essentials/REST/sites/mainsite/viewers/mainmap/virtualdirectory/Resources/Config/Default

ARIZONA, STATE OF

- Arizona Department of Water Resources, Arizona Water Atlas Volume 8, Section 8.5, Tucson Active Management Area, September 2010.

ENVIRONMENTAL DATA RESOURCES REPORTS

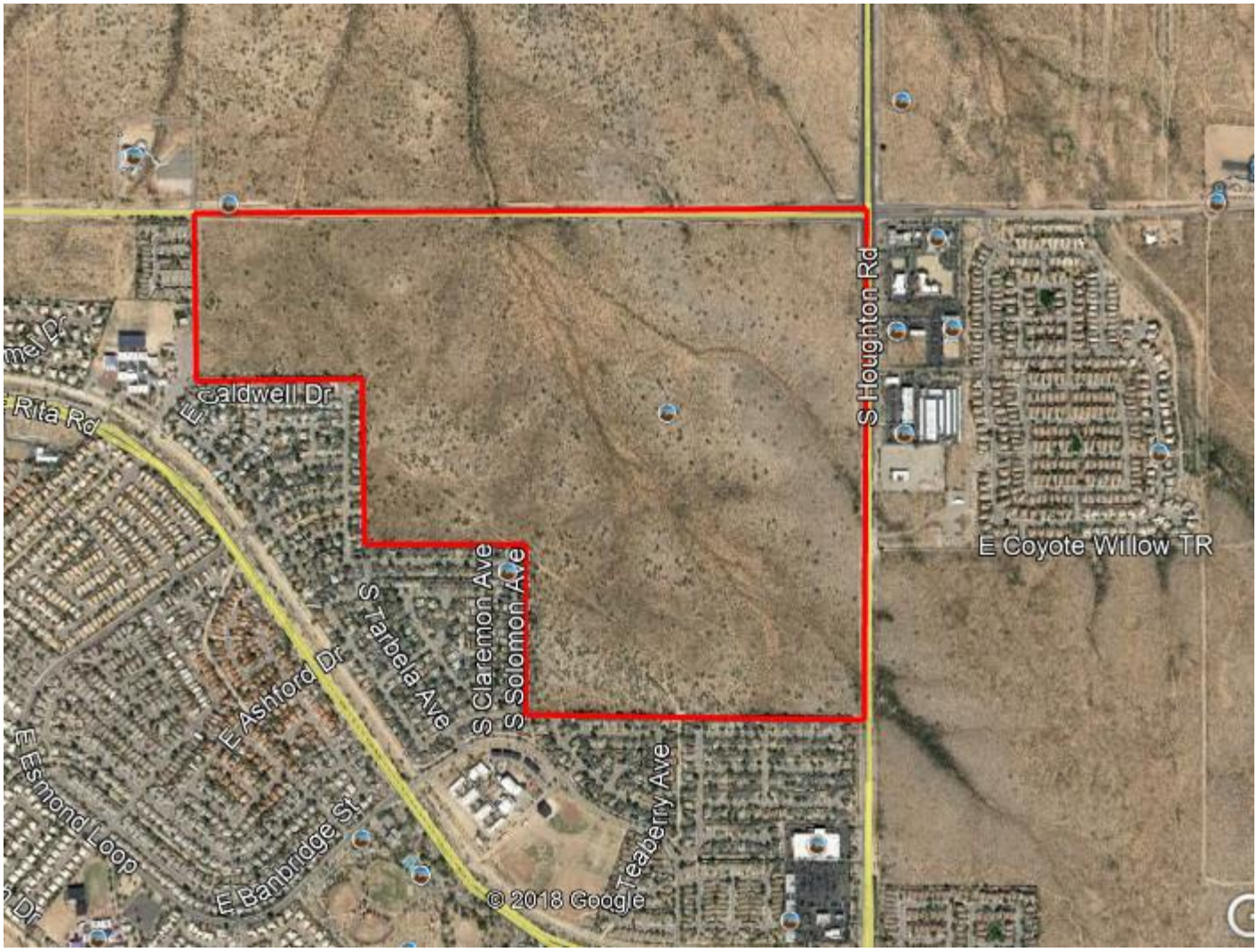
- Environmental Data Resources, Inc., Radius Map Report with GeoCheck, Inquiry Number: 5413028.2s, September 2018.
- Environmental Data Resources, Inc., Sanborn Map Report, Inquiry Number: 5413028.3, September 2018.
- Environmental Data Resources, Inc., Historical Topographic Map Report, Inquiry Number: 5413028.4, September 2018.
- Environmental Data Resources, Inc., Aerial Photo Decade Package, Inquiry Number: 5413028. 12, September 2018.
- Environmental Data Resources, Inc., City Directory Abstract, Inquiry Number: 5413028.5, September 2018.

GOOGLE EARTH

- Google Earth Historical Imagery

APPENDIX A:

FIGURES



Site Map

Scale: N.T.S.	Drawn By: JDL	Date:10/04/2018

Site name

Valencia & Houghton

Tucson, Arizona

ProTeX Job No.: 8246

Houghton & Valencia

SW Houghton & Valencia

Tucson, AZ 85747

Inquiry Number: 5413028.8

September 06, 2018

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

09/06/18

Site Name:

Houghton & Valencia
SW Houghton & Valencia
Tucson, AZ 85747
EDR Inquiry # 5413028.8

Client Name:

ProTeX the PT Xperts, LLC
1102 West Southern Avenue
Tempe, AZ 85282
Contact: Joe Lopez

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"=750'	Flight Year: 2017	USDA/NAIP
2013	1"=750'	Flight Year: 2013	USDA/NAIP
2010	1"=750'	Flight Year: 2010	USDA/NAIP
2007	1"=750'	Flight Year: 2007	USDA/NAIP
2003	1"=750'	Flight Date: January 01, 2003	USGS
1996	1"=750'	Flight Date: June 03, 1996	USGS
1992	1"=750'	Acquisition Date: May 16, 1992	USGS/DOQQ
1991	1"=750'	Flight Date: October 07, 1991	USGS
1983	1"=750'	Flight Date: July 04, 1983	USDA
1980	1"=750'	Flight Date: August 07, 1980	USGS
1971	1"=750'	Flight Date: March 03, 1971	USGS
1966	1"=750'	Flight Date: May 05, 1966	USGS
1956	1"=750'	Flight Date: March 02, 1956	USGS
1954	1"=750'	Flight Date: February 20, 1954	USDA
1936	1"=750'	Flight Date: February 21, 1936	USGS

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EDR

INQUIRY #: 5413028.8
YEAR: 2013
= 750'
N
EDR

INQUIRY #: 5413028.8
YEAR: 2010
= 750'
N
EDR

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YEAR: 2007
= 750'
N
EDR

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EDR
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EDR
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EDR

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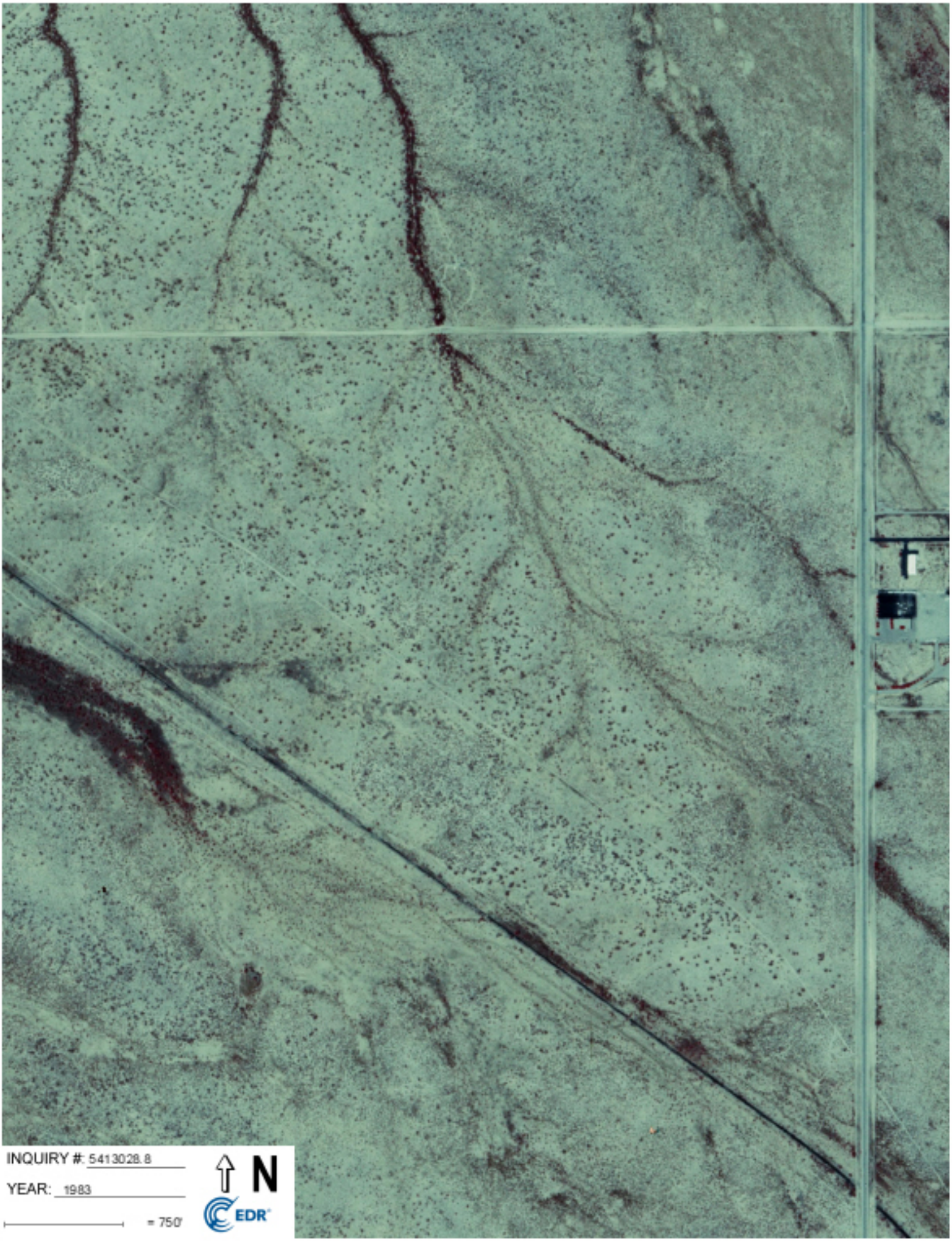
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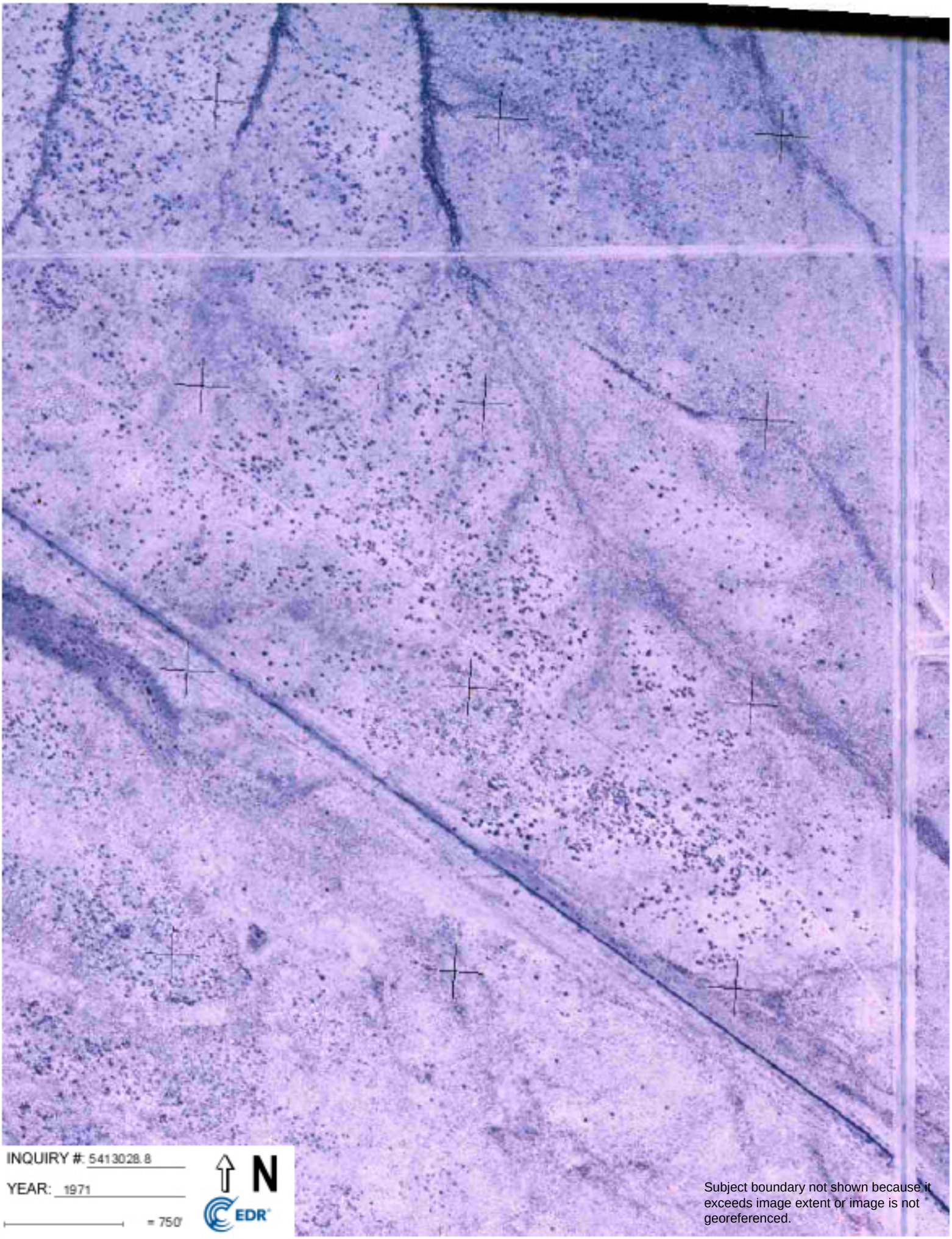

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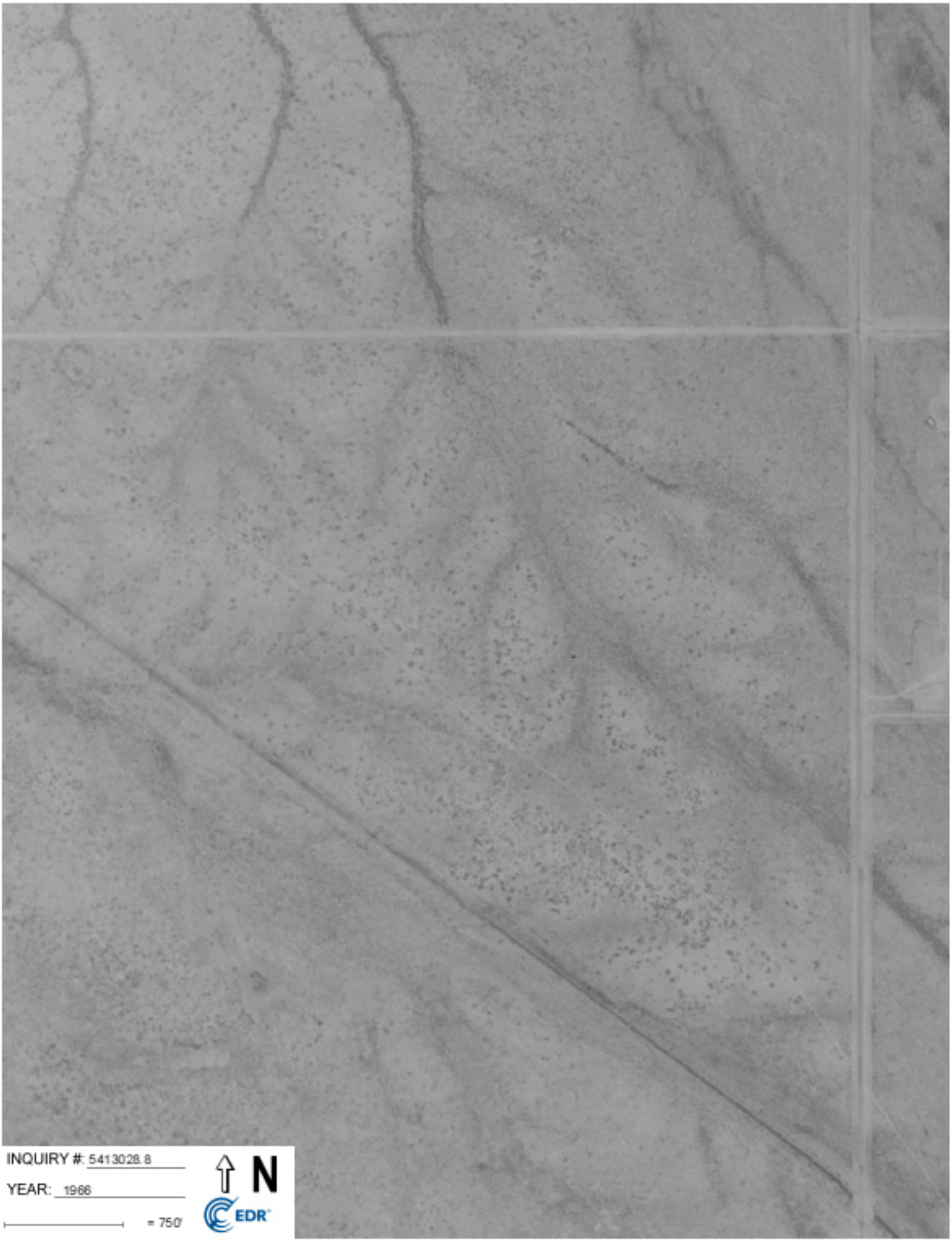

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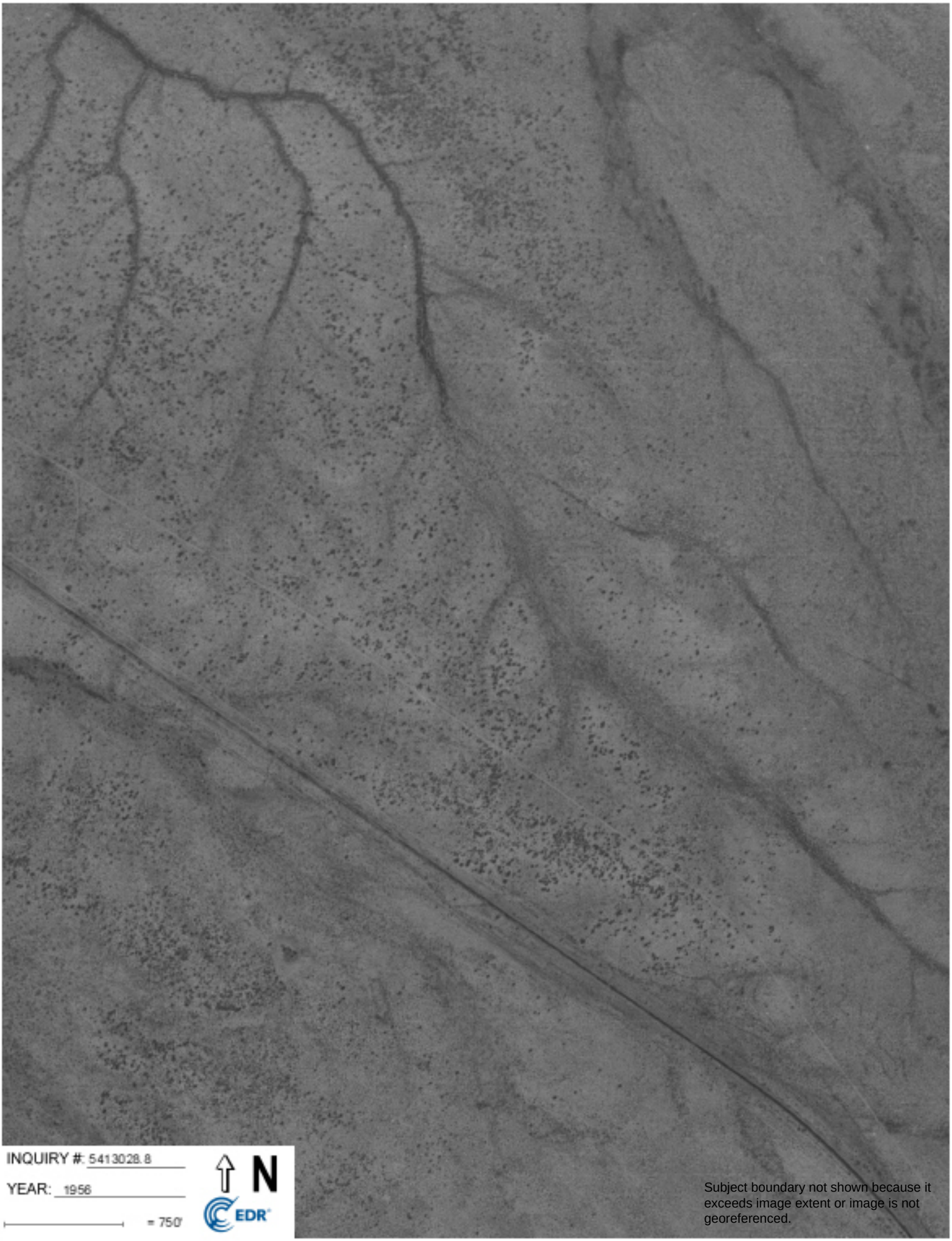

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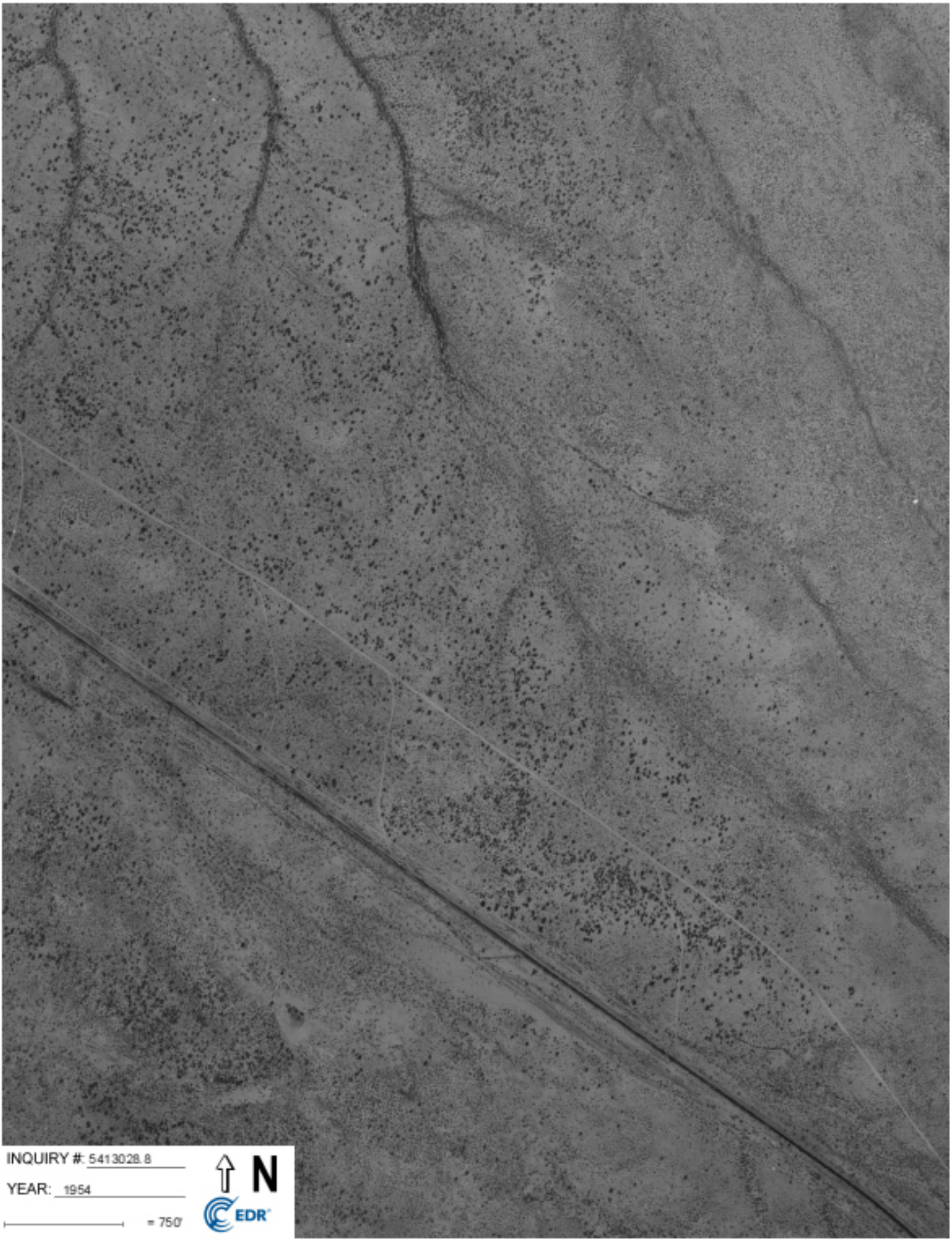
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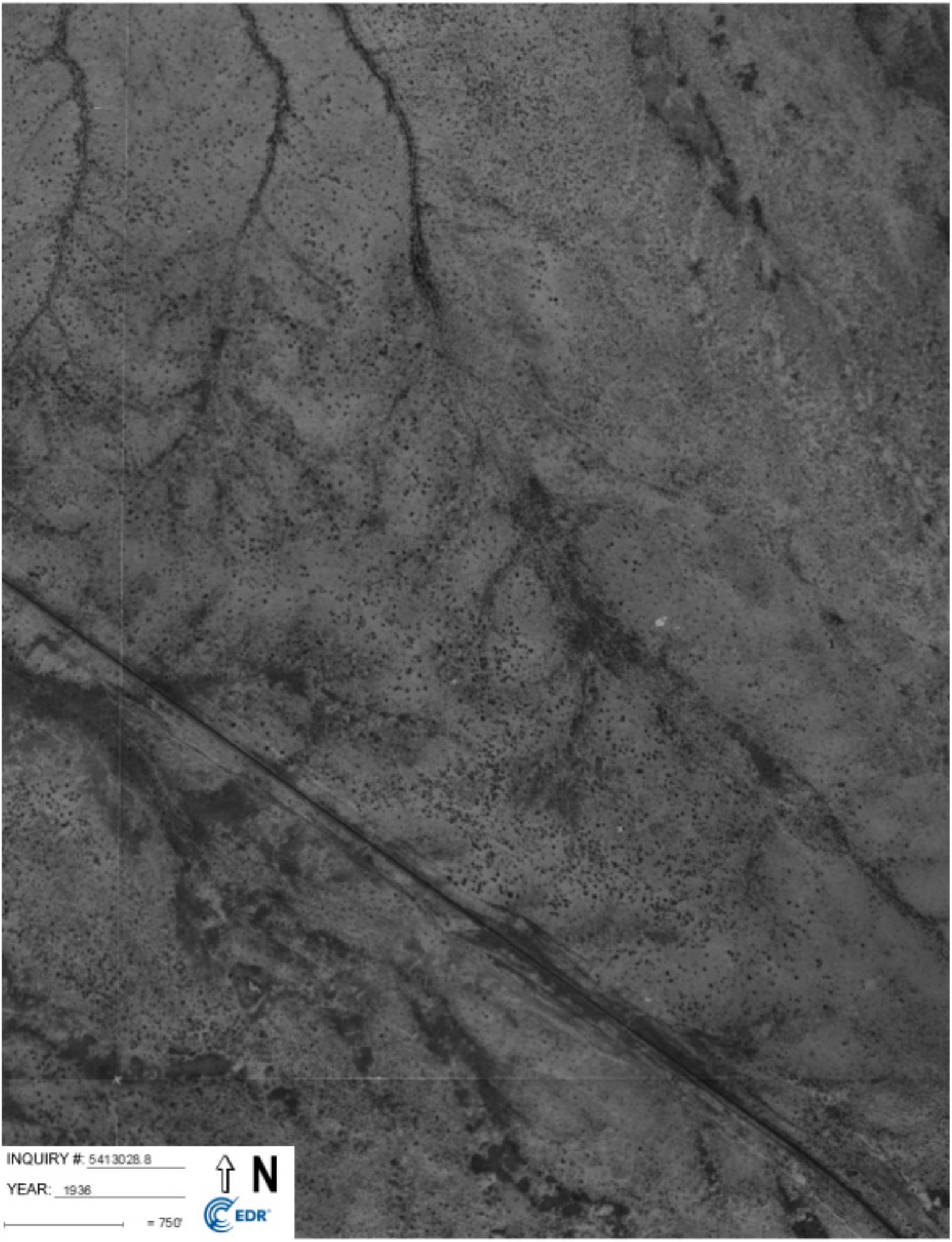
EDR



INQUIRY #: 5413028.8

YEAR: 1936

= 750'

N

EDR

Houghton & Valencia

SW Houghton & Valencia

Tucson, AZ 85747

Inquiry Number: 5413028.4

September 04, 2018

EDR Historical Topo Map Report

with QuadMatch™

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

EDR Historical Topo Map Report

09/04/18

Site Name:	Client Name:
Houghton & Valencia	ProTeX the PT Xperts, LLC
SW Houghton & Valencia	1102 West Southern Avenue
Tucson, AZ 85747	Tempe, AZ 85282
EDR Inquiry # 5413028.4	Contact: Joe Lopez

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Search Results:		*Coordinates:*	
P.O.#	Houghton & Valencia	Latitude:	32.11688 32° 7' 1" North
Project:	Houghton & Valencia	Longitude:	-110.788583 -110° 47' 19" West
		UTM Zone:	Zone 12 North
		UTM X Meters:	519944.11
		UTM Y Meters:	3553410.64
		Elevation:	2931.00' above sea level

Maps Provided:

2014
1996
1995
1982, 1983
1968, 1971
1957
1948
1905
1904

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Topo Sheet Key

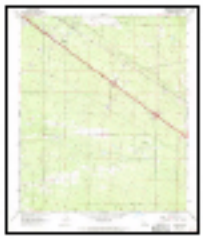
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2014 Source Sheets

Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1968, 1971 Source Sheets



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1904 Source Sheets

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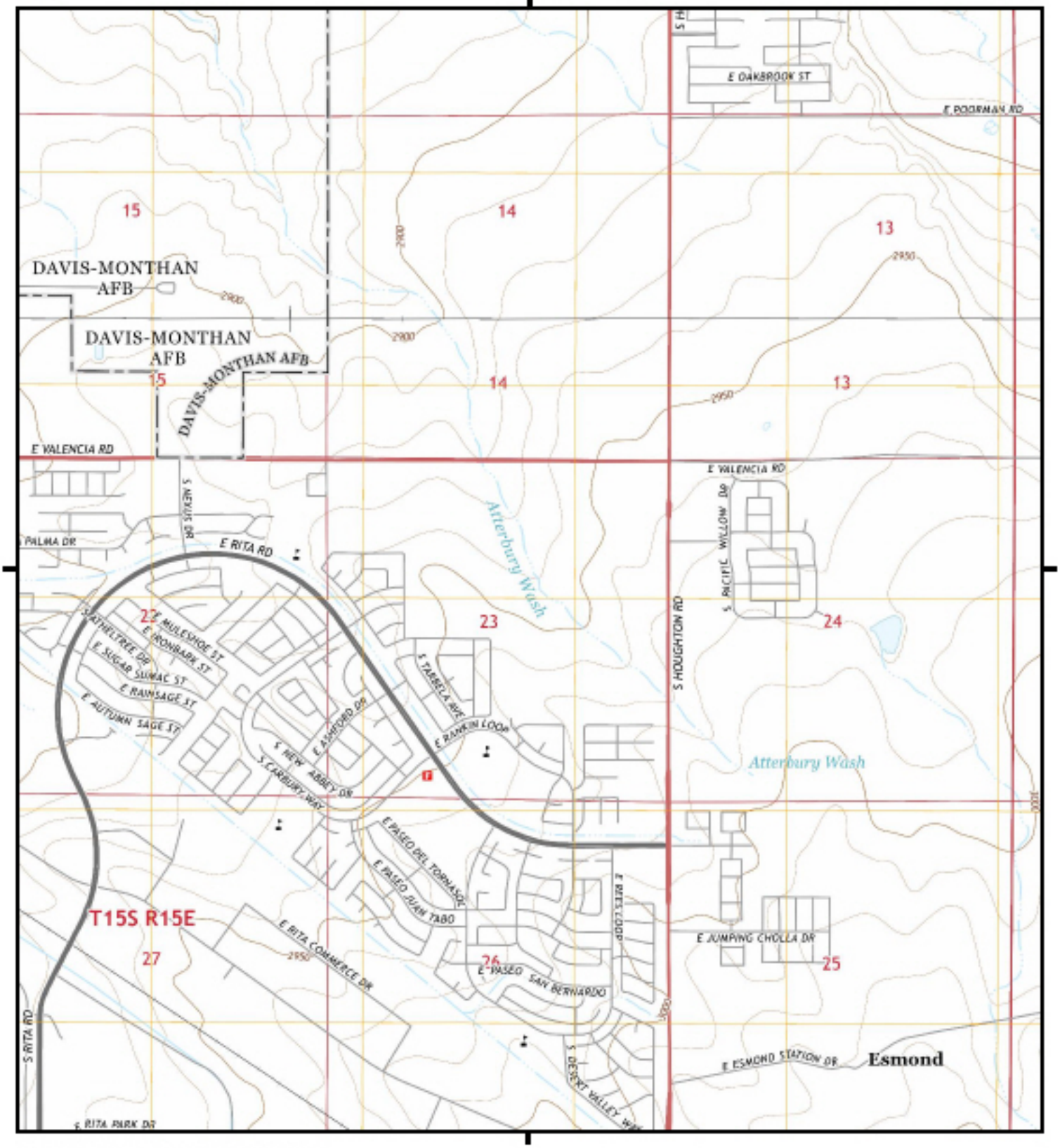
2014



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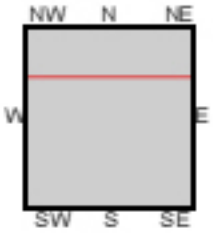

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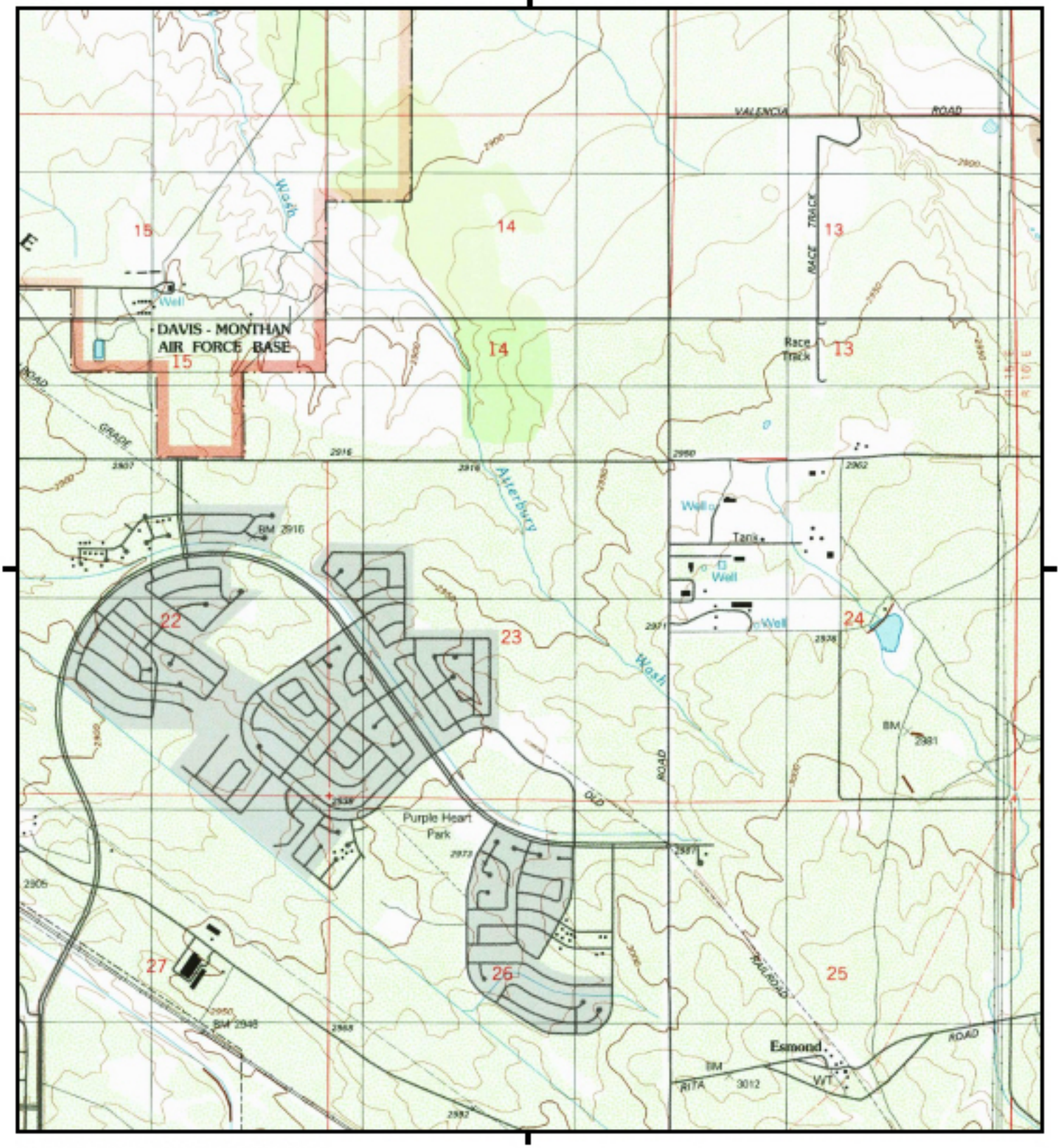
N, Tucson East, 2014, 7.5-minute

SITE NAME: Houghton & Valencia
ADDRESS: SW Houghton & Valencia
Tucson, AZ 85747
CLIENT: ProTeX the PT Xperts, LLC

N

Historical Topo Map

1996



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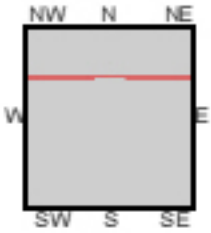

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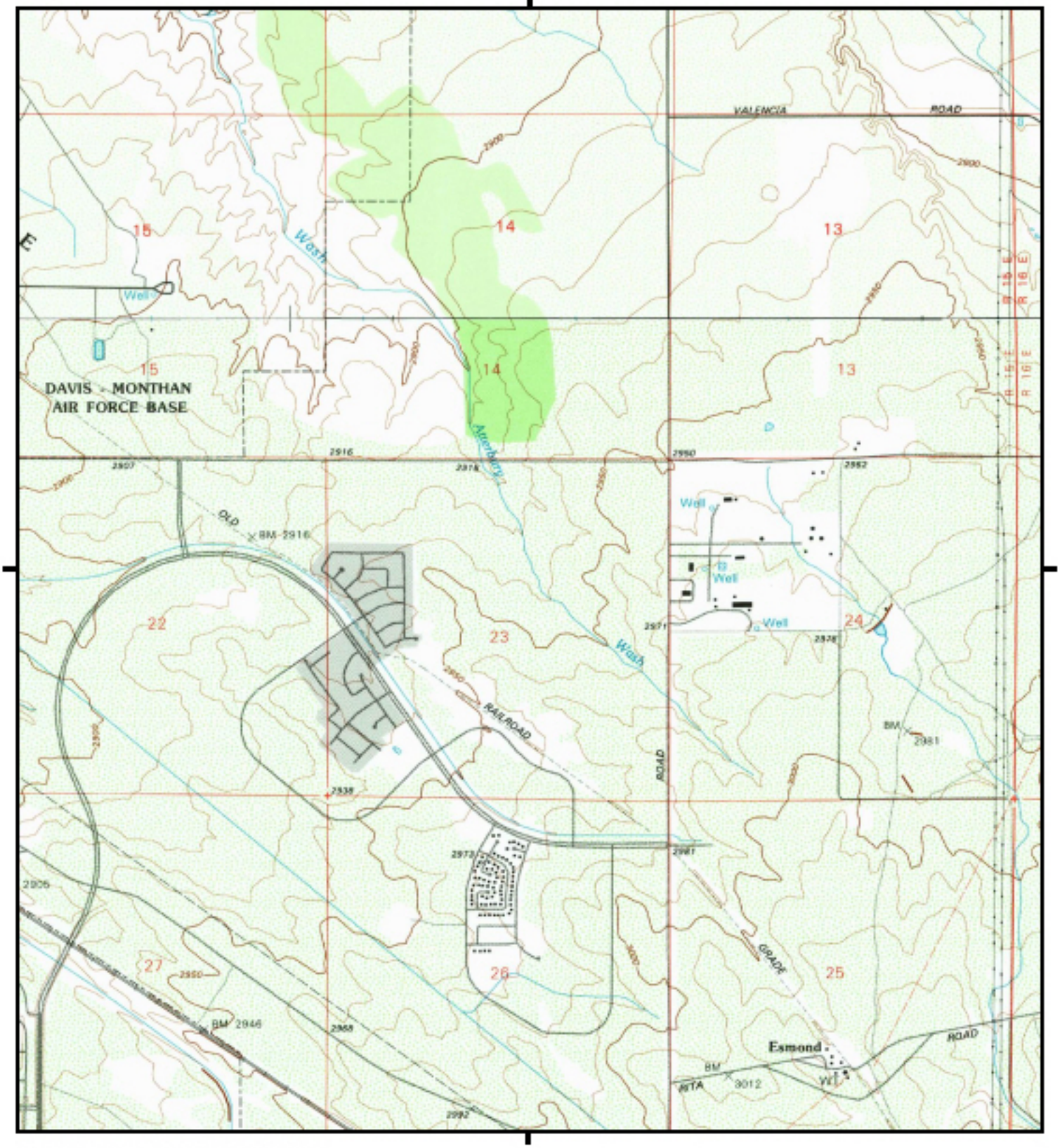
SITE NAME: Houghton & Valencia
ADDRESS: SW Houghton & Valencia
Tucson, AZ 85747
CLIENT: ProTeX the PT Xperts, LLC

N

Historical Topo Map

1995



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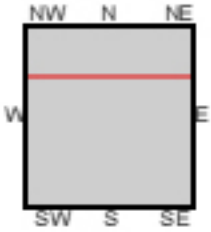

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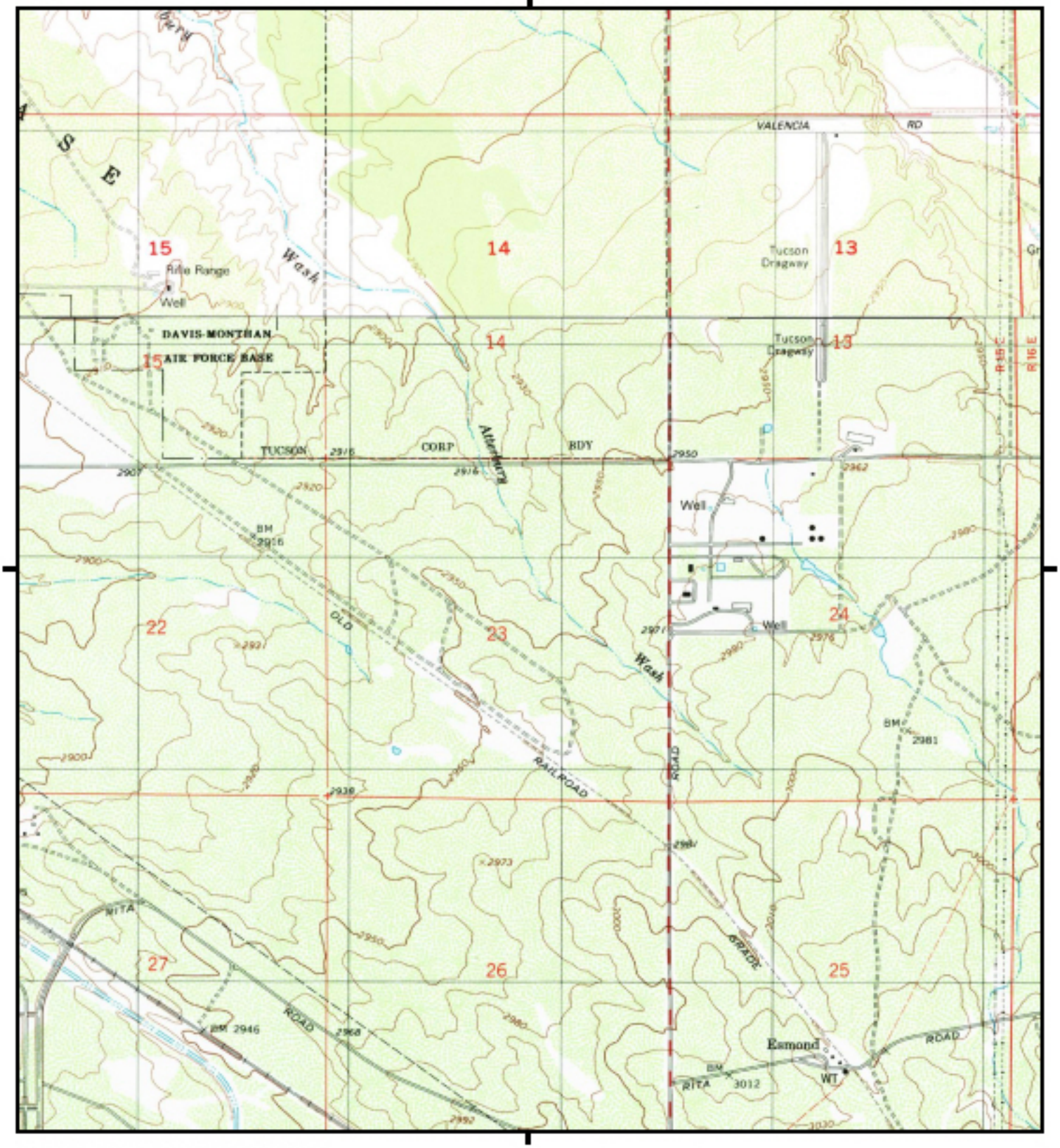
SITE NAME: Houghton & Valencia
ADDRESS: SW Houghton & Valencia
Tucson, AZ 85747
CLIENT: ProTeX the PT Xperts, LLC

N

Historical Topo Map

1982, 1983



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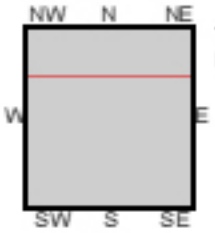

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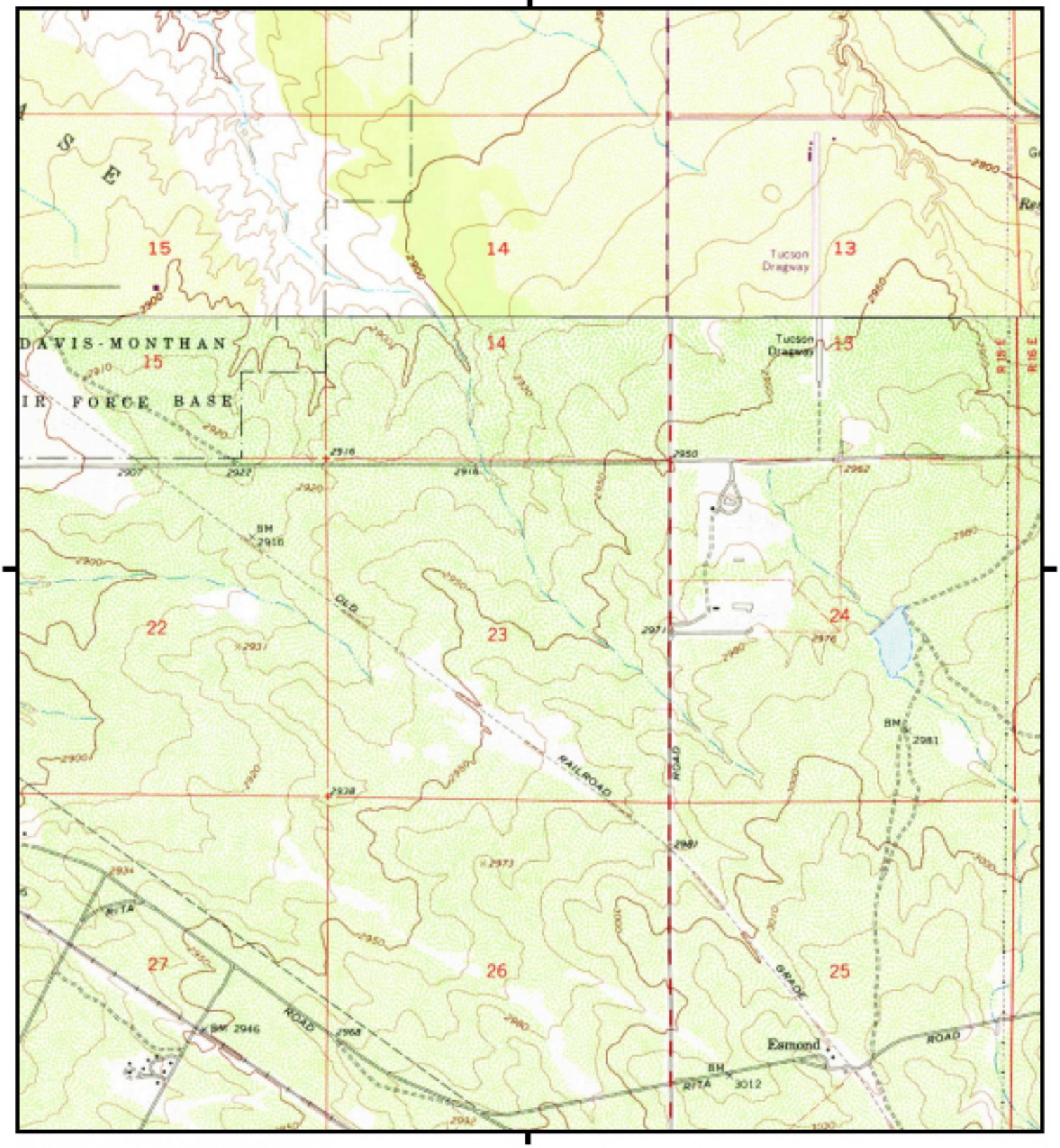
SITE NAME: Houghton & Valencia
ADDRESS: SW Houghton & Valencia
Tucson, AZ 85747
CLIENT: ProTeX the PT Xperts, LLC

N

Historical Topo Map

1968, 1971



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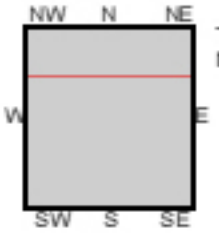

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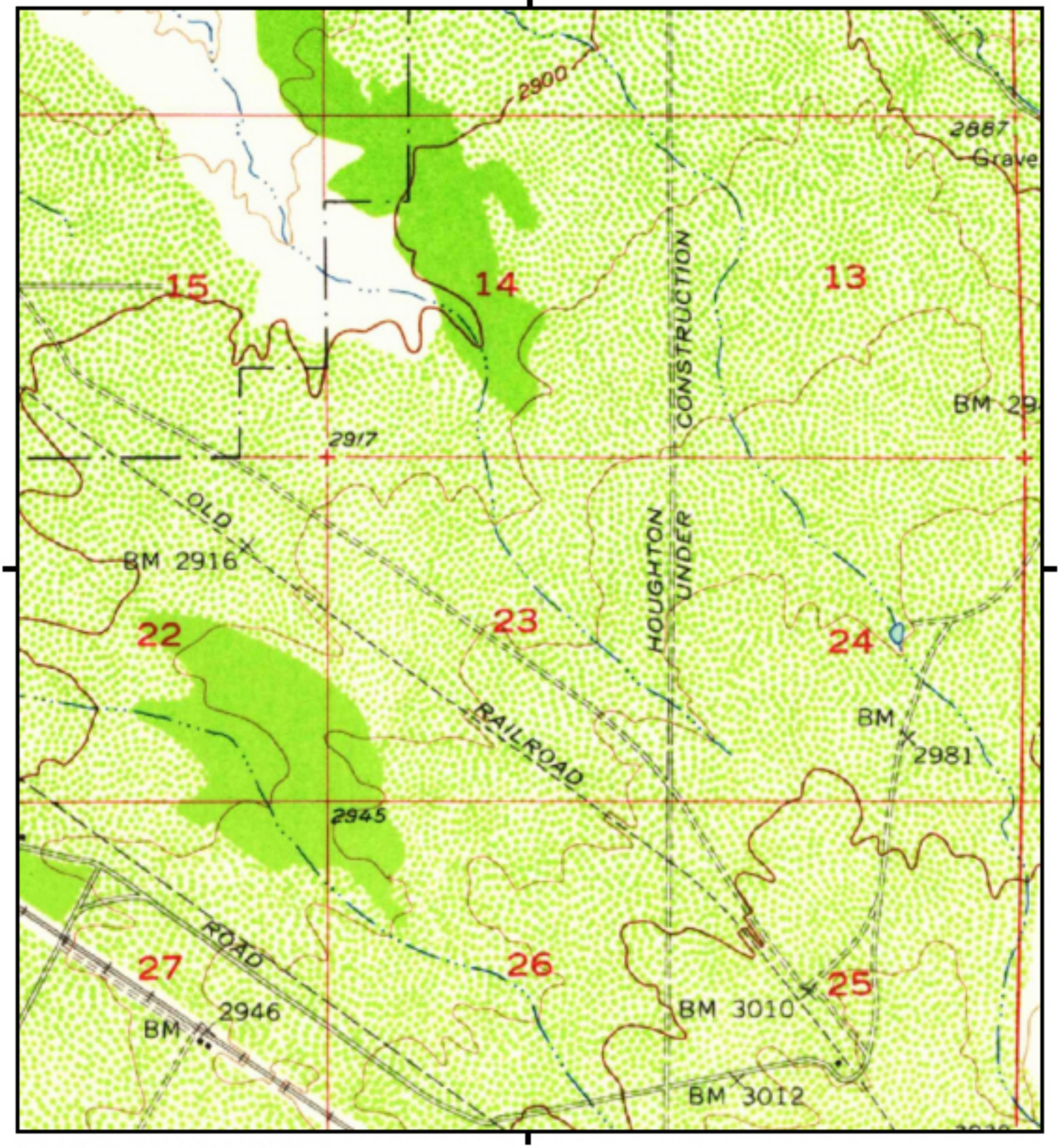
ADDRESS: SW Houghton & Valencia
Tucson, AZ 85747
CLIENT: ProTeX the PT Xperts, LLC

N

Historical Topo Map

1957



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NW N NE
W E
SW S SE

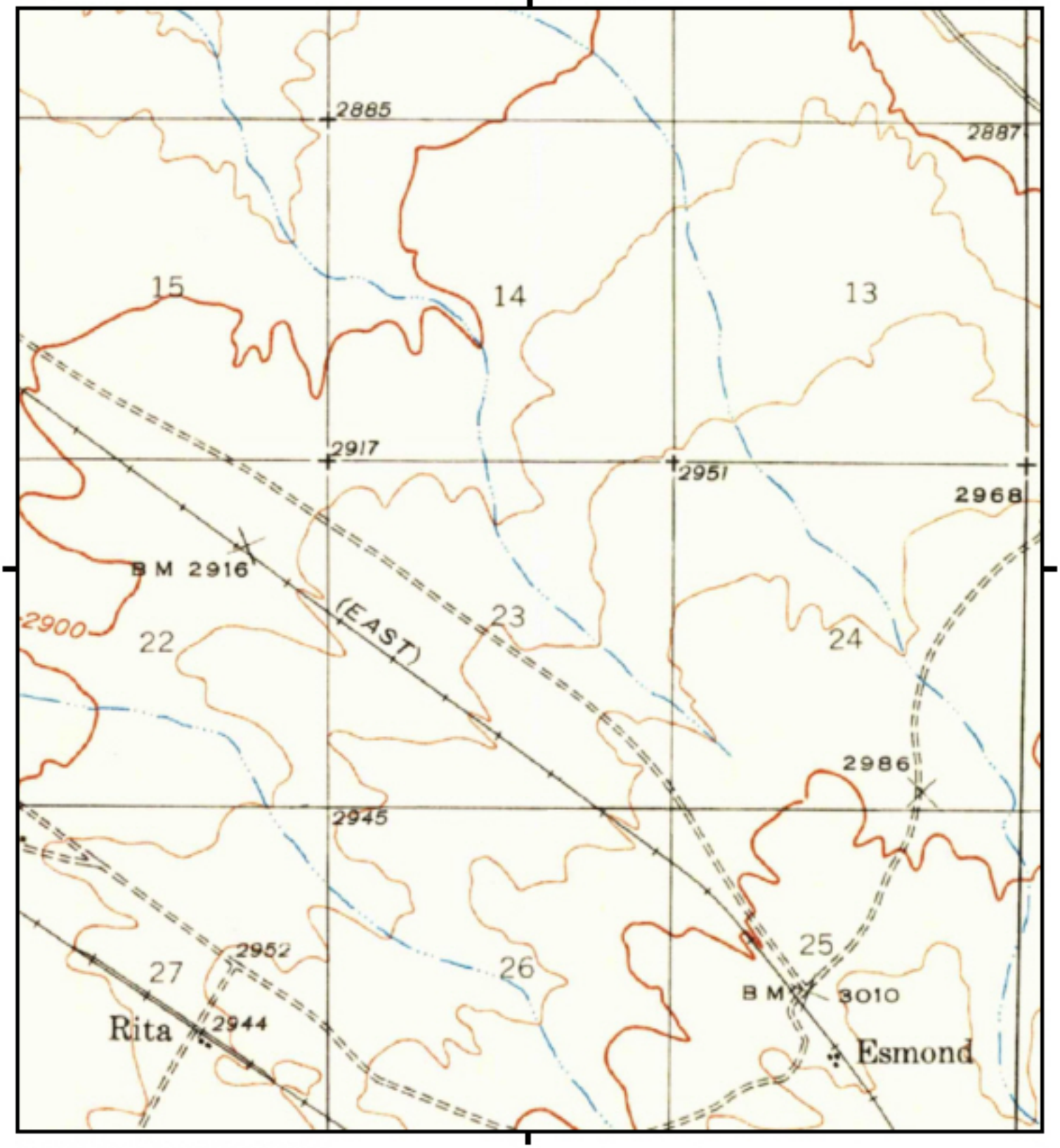
TP, Tucson, 1957, 15-minute

SITE NAME: Houghton & Valencia
ADDRESS: SW Houghton & Valencia
Tucson, AZ 85747
CLIENT: ProTeX the PT Xperts, LLC

N

Historical Topo Map

1948



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W E
SW S SE

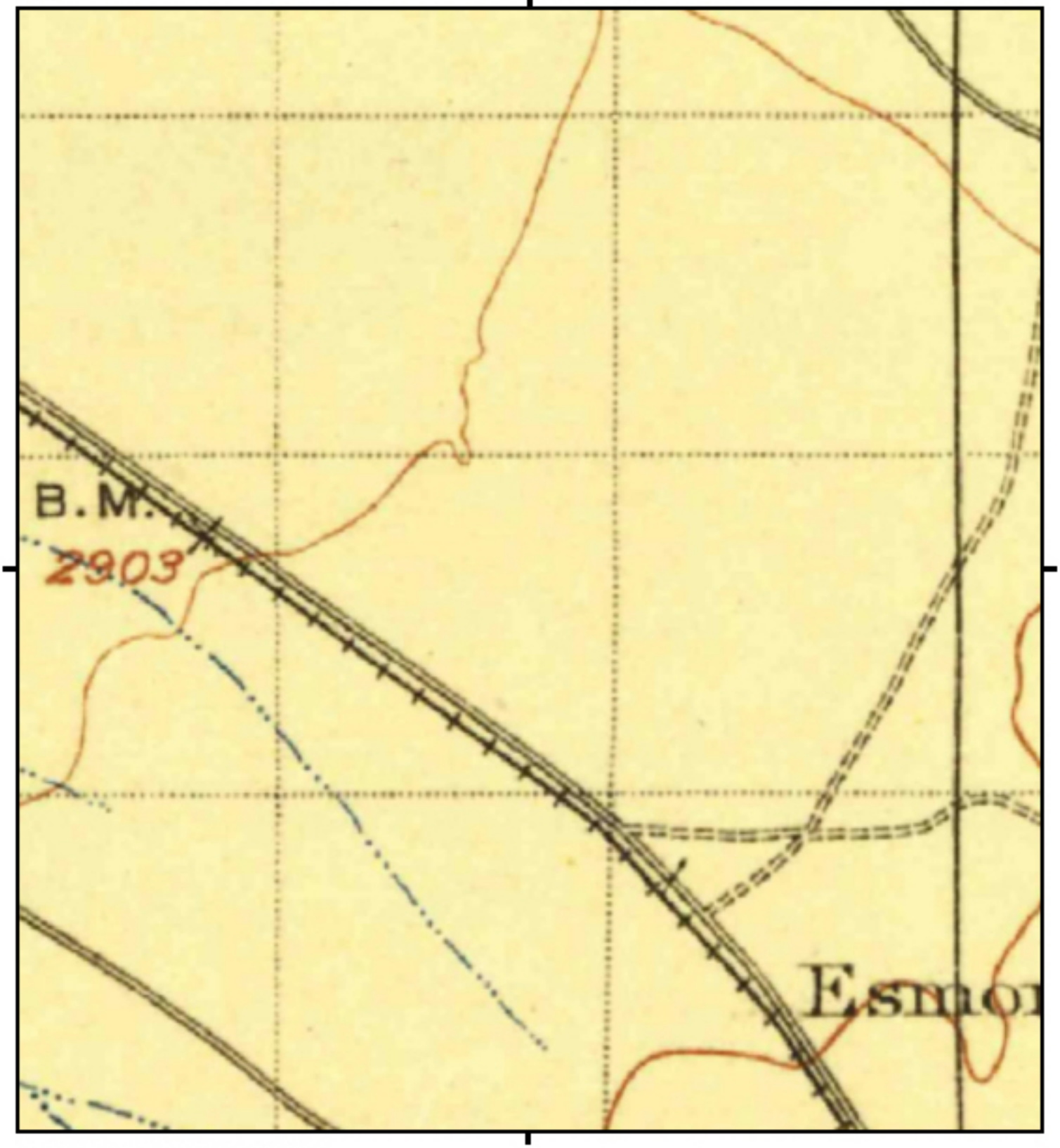
TP, Tucson, 1948, 15-minute

SITE NAME: Houghton & Valencia
ADDRESS: SW Houghton & Valencia
Tucson, AZ 85747
CLIENT: ProTeX the PT Xperts, LLC

N

Historical Topo Map

1905



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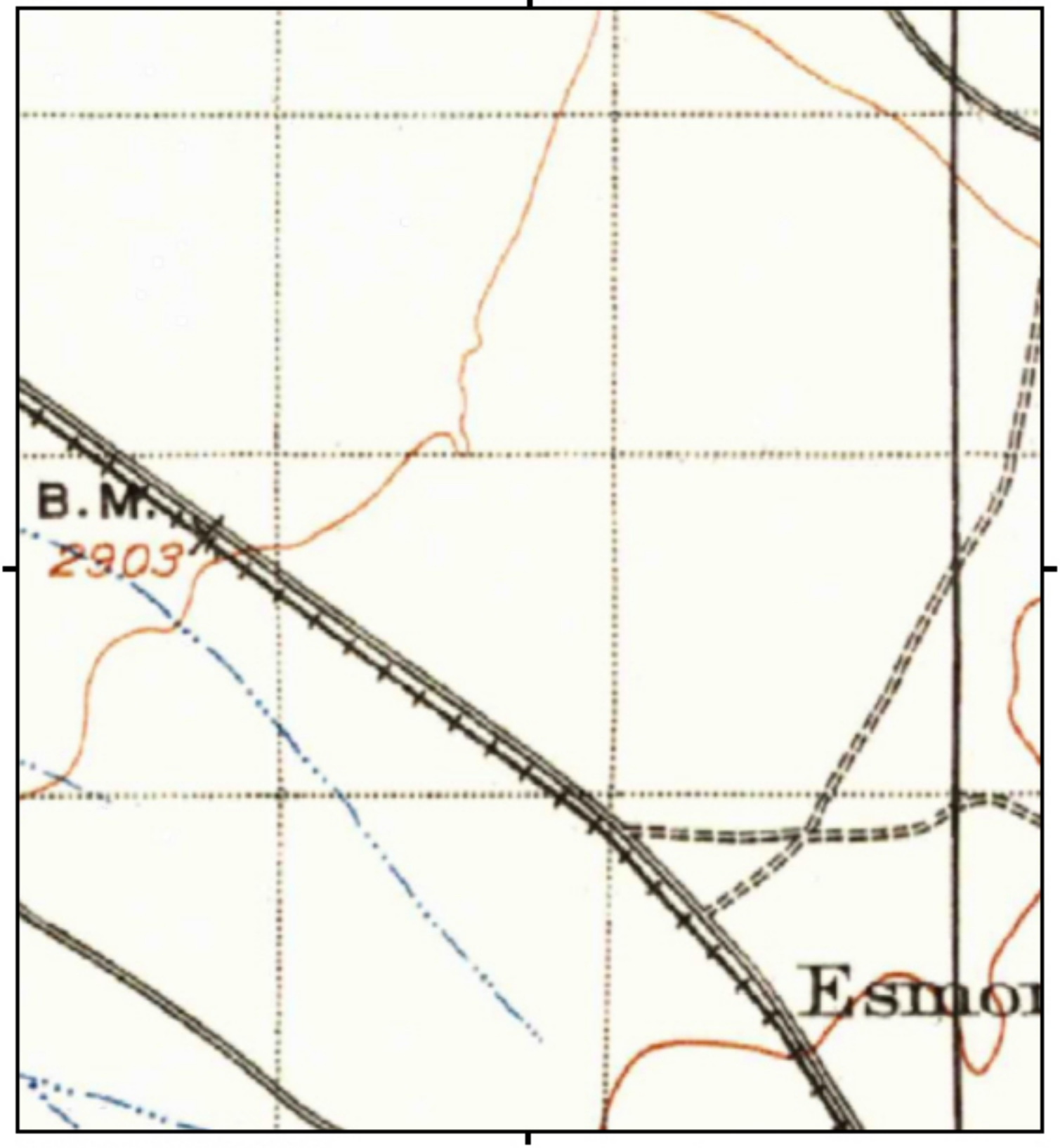
ADDRESS: SW Houghton & Valencia
Tucson, AZ 85747
CLIENT: ProTeX the PT Xperts, LLC

N

Historical Topo Map

1904



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W E
SW S SE

TP, Tucson, 1904, 30-minute

SITE NAME: Houghton & Valencia
ADDRESS: SW Houghton & Valencia
Tucson, AZ 85747
CLIENT: ProTeX the PT Xperts, LLC

N

APPENDIX B:

DOCUMENTS

PHOENIX
1102 W SOUTHERN AVENUE, SUITE 4
TEMPE, ARIZONA 85282
(O) 602-272-PTX1 (7891)
DISPATCH 602-272-7890
(F) 602-272-7892
WWW.PROTEX-AZ.COM

TUCSON
916 W GRANT ROAD
TUCSON, ARIZONA 85705
(O) 520-352-1050 (EXT 157)
DISPATCH 520-352-0150
(F) 520-352-0150
WWW.PROTEX-AZ.COM

OWNER PROPERTY QUESTIONNAIRE

To the best of your actual knowledge and in good faith, please complete the following property questionnaire and return to ProTeX The PT Xperts, LLC (ProTeX*).*

PROPERTY INFORMATION

Site Name: SWC of E Valencia Rd @ S Houghton Rd
Street Address: parcel: 141010130
City, State, Zip: Tucson, AZ 85747

PROPERTY LAND USE DESCRIPTION

Subject Property General Land Use/Zoning: RX-1 zoning
Date of Construction (if applicable): NA
Area of Property: approx 343 ac
Description of Property and Improvements:

ADJOINING PROPERTY LAND USE DESCRIPTION

North Land Use: Vacant
West Land Use: Residential + school
East Land Use: Commercial
South Land Use: Residential

CURRENT/PRIOR PROPERTY OWNERSHIP AND USE

How long have you owned the property? June 24, 1914
Property Street Address: T15S R15E Section 23
Property City, State, Zip: Tucson, AZ 85747
Describe the property usage during your ownership:
All Right of Way and other leases available via public counter
Prior property owner, and for how long?
Institutional Land Grant
Describe the property usage prior to your ownership:

YOUR NAME: Micah Horowitz
FIRM: Arizona State Land Department
SIGNATURE:
DATE: 9/11/18

	Yes	No
Do you have knowledge of any prior environmental reports for the site? If so, please forward to ProTeX.		✓
Do you have knowledge of known current or historic uses of hazardous materials or other specialized knowledge of the site and surrounding area? If so, please forward the information to ProTeX.		✓

No.	Question	Please indicate the response to each question ("Unk " indicates a response of Unknown)			
		Yes	No	Unk	Please explain each affirmative answer in the space provided.
1a	Is the *property* used for an industrial use?		✓		
1b	Is any *adjoining property* used for an industrial use?		✓		
2a	Do you observe evidence or do you have any prior knowledge that the *property* has been used for an industrial use in the past.		✓		
2b	Did you observe evidence or do you have any prior knowledge that any *adjoining property* has been used for an industrial use in the past.		✓		
3a	Is the *property* used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage disposal, processing, or recycling facility (if applicable, identify which one)?		✓		
3b	Is the *adjoining property* used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage disposal, processing, or recycling facility (if applicable, identify which one)?	✓			The commercial development east of Houghton Rd has an operational shell gas station.
4a	Did you observe evidence or do you have any knowledge that the *property* has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage disposal, processing, or recycling facility (if applicable, identify which one)?		✓		

No.	Question	Please indicate the response to each question ("Unk " indicates a response of Unknown)			
		Yes	No	Unk	Please explain each affirmative answer in the space provided.
4b	Did you observe evidence or do you have any knowledge that the *adjoining property* has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage disposal, processing, or recycling facility (if applicable, identify which one)?	✓			The Shell gas station across Houghton Rd
5a	Are there currently any damaged or discarded automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of greater than 5 gallon (19 liter) in volume, or 50 gal (190 liter) in total, stored on or used at the facility?		✓		
5b	Did you observe evidence or do you have any prior knowledge that there have been previously any damaged or discarded automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of greater than 5 gal (19 liter) in volume, or 50 gal (190 liter) in total, stored on or used at the *property* or at the facility?		✓		
6a	Are there currently any industrial drums, typically 55 gallon (208 liter) or sacks of chemicals located on the *property* or at the facility?		✓		
6b	Did you observe evidence of or do you have prior knowledge that there have been previously any industrial drums (typically 55-gal (208L.) or sacks of chemicals located on the *property* or at the facility?		✓		
7a	Did you observe evidence of do you have prior knowledge that *fill dirt* has been brought onto the property that originated from a contaminated site?		✓		
7b	Did you observe evidence or do you have prior knowledge that *fill dirt* has been brought onto the property that is of an unknown origin?		✓		

No.	Question	Please indicate the response to each question ("Unk " indicates a response of Unknown)			
		Yes	No	Unk	Please explain each affirmative answer in the space provided.
8a	Are there *currently pits, ponds,* or *lagoons* located on the *property* in connection with waste treatment or waste disposal?		✓		
8b	Did you observe evidence or do you have prior knowledge that there have been previously, any *pits, ponds,* or *lagoons* located on the *property* in connection with waste treatment or waste disposal?		✓		
9a	Is there currently any stained soil on the *property*?			✓	
9b	Did you observe evidence or do you have prior knowledge that there has been previously, any stained soil on the *property*?			✓	
10a	Are there currently any registered or unregistered storage tanks (above or underground) located on the *property*?		✓		
10b	Have you observed evidence or do you have prior knowledge that there have previously been any registered or unregistered storage tanks (above or underground) located on the *property*?		✓		
11a	Are there currently any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the *property* or adjacent to any structure located on the *property*?		✓		
11b	Have you observed evidence or do you have prior knowledge that there have previously been any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the *property* or adjacent to any structure located on the *property*?		✓		
12a	Is there currently evidence of leaks, spills, or staining by substances other than water, or foul odors, associated with any flooring, drains, walls, ceilings, or exposed grounds on the *property*?		✓		

No.	Question	Please indicate the response to each question ("Unk " indicates a response of Unknown)			
		Yes	No	Unk	Please explain each affirmative answer in the space provided.
12b	Have you observed evidence or do you have prior knowledge that there have previously been any leaks, spills, or staining by substances other than water, or foul odors, associated with any flooring, drains, walls, ceilings, or exposed grounds on the *property*?		✓		
13a	If the property is served by a private well or non-public water system, is there evidence or do you have prior knowledge that contaminants have been identified in the well or system that exceed guidelines applicable to the water system?		✓		
13b	If the property is served by a private well or non-public water system, is there evidence or do you have prior knowledge that the well has been designated as contaminated by any government environmental/health agency?		✓		
14	Does the owner or occupant*s* of the *property* have any knowledge of *environmental liens* or governmental notification relating to past or recurrent violations of environmental laws with respect to the *property* or any facility located on the *property*?		✓		
15a	Has the owner or occupant of the *property* been informed of the past existence of **hazardous substances** or petroleum products with respect to the property or any facility located on the property?		✓		
15b	Has the owner or occupant of the *property* been informed of the current existence of **hazardous substances** or petroleum products with respect to the property or any facility located on the property?		✓		
15c	Has the owner or occupant of the *property* been informed of the past existence of environmental violations with respect to the *property* or any facility located on the *property*?		✓		

No.	Question	Please indicate the response to each question ("Unk " indicates a response of Unknown)			
		Yes	No	Unk	Please explain each affirmative answer in the space provided.
15d	Has the owner or occupant of the *property* been informed of the current existence of environmental violations with respect to the *property* or any facility located on the *property*?		✓		
16	Does the owner or occupant of the *property* have any knowledge of any environmental site assessments of the *property* or facility that indicated the presence of **hazardous substances** or petroleum products on, or contamination of, the *property* or recommended further assessment of the property?		✓		
17	Does the owner or occupant of the *property* know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any **hazardous substances** or petroleum products involving the *property* by any owner or occupant of the *property*?		✓		
18a	Does the *property* discharge waste water (not including sanitary waste or storm water) onto or adjacent to the *property* and/or into a storm water system?			✓	
18b	Does the *property* discharge waste water (not including sanitary waste or storm water) onto or adjacent to the *property* and/or into a sanitary sewer system?			✓	
19	Did you observe or do you have any knowledge that any **hazardous substances** or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials have been dumped above grade, buried, and/or burned on the *property*?		✓		
20	Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?		✓		

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USER (PROSPECTIVE BUYER) PROPERTY QUESTIONNAIRE

To the best of your actual knowledge and in good faith, please complete the following property questionnaire and return to ProTeX The PT Xperts, LLC (ProTeX). In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the User must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

PROPERTY INFORMATION

Site Name: SWC of VALENCIA & HOUGHTON ROAD
Street Address: PARCEL ID: 141-01-0130
City, State, Zip: TUCSON, AZ 85747
Current Owner Name & email address: STATE OF ARIZONA (mhorowitz@azland.gov)

PROPERTY LAND USE DESCRIPTION

Subject Property General Land Use/Zoning: RX-1 ZONING
Date of Construction (if applicable): N/A
Area of Property: 353 ACRES
Description of Property and Improvements: FUTURE RESIDENTIAL DEVELOPMENT / MIXED USE AND COMMERCIAL

ADJOINING PROPERTY LAND USE DESCRIPTION

North Land Use: VACANT
West Land Use: RESIDENTIAL / SCHOOL
East Land Use: COMMERCIAL
South Land Use: RESIDENTIAL

YOUR NAME: SAM MILLS
FIRM: PULTE HOMES
SIGNATURE: [signature]
DATE: 10/4/18

	Yes	No
Do you have knowledge of any prior environmental reports for the site? If so, please forward to ProTeX.		X
Do you have knowledge of known current or historic uses of hazardous materials or other specialized knowledge of the site and surrounding area? If so, please forward the information to ProTeX.		X

No.	Question	Please indicate the response to each question ("Unk " indicates a response of Unknown)			
		Yes	No	Unk	Please explain each affirmative answer in the space provided.
1a	Is the *property* used for an industrial use?		X		
1b	Is any *adjoining property* used for an industrial use?	X			Property on east side of Houghton Road zoned industrial.
2a	Do you observe evidence or do you have any prior knowledge that the *property* has been used for an industrial use in the past.		X		
2b	Did you observe evidence or do you have any prior knowledge that any *adjoining property* has been used for an industrial use in the past.	X			Property on east side of Houghton Road zoned industrial.
3a	Is the *property* used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage disposal, processing, or recycling facility (if applicable, identify which one)?		X		
3b	Is the *adjoining property* used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage disposal, processing, or recycling facility (if applicable, identify which one)?	X			Gas station on S/E corner of Houghton/Valencia
4a	Did you observe evidence or do you have any knowledge that the *property* has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage disposal, processing, or recycling facility (if applicable, identify which one)?		X		

No.	Question	Please indicate the response to each question ("Unk " indicates a response of Unknown)			
		Yes	No	Unk	Please explain each affirmative answer in the space provided.
4b	Did you observe evidence or do you have any knowledge that the *adjoining property* has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage disposal, processing, or recycling facility (if applicable, identify which one)?	X			Gas station at SE corner of Houghton & Valencia
5a	Are there currently any damaged or discarded automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of greater than 5 gallon (19 liter) in volume, or 50 gal (190 liter) in total, stored on or used at the facility?			X	
5b	Did you observe evidence or do you have any prior knowledge that there have been previously any damaged or discarded automotive or industrial batteries, pesticides, paints, or other chemicals in individual containers of greater than 5 gal (19 liter) in volume, or 50 gal (190 liter) in total, stored on or used at the *property* or at the facility?		X		
6a	Are there currently any industrial drums, typically 55 gallon (208 liter) or sacks of chemicals located on the *property* or at the facility?			X	
6b	Did you observe evidence of or do you have prior knowledge that there have been previously any industrial drums, typically 55 gallon (208 liter) or sacks of chemicals located on the *property* or at the facility?		X		
7a	Did you observe evidence of do you have prior knowledge that *fill dirt* has been brought onto the property that originated from a contaminated site?		X		
7b	Did you observe evidence or do you have prior knowledge that *fill dirt* has been brought onto the property that is of an unknown origin?		X		

No.	Question	Please indicate the response to each question ("Unk " indicates a response of Unknown)			
		Yes	No	Unk	Please explain each affirmative answer in the space provided.
8a	Are there *currently pits, ponds,* or *lagoons* located on the *property* in connection with waste treatment or waste disposal?			X	
8b	Did you observe evidence or do you have prior knowledge that there have been previously, any *pits, ponds,* or *lagoons* located on the *property* in connection with waste treatment or waste disposal?		X		
9a	Is there currently any stained soil on the *property*?			X	
9b	Did you observe evidence or do you have prior knowledge that there has been previously, any stained soil on the *property*?		X		
10a	Are there currently any registered or unregistered storage tanks (above or underground) located on the *property*?			X	
10b	Have you observed evidence or do you have prior knowledge that there have previously been any registered or unregistered storage tanks (above or underground) located on the *property*?		X		
11a	Are there currently any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the *property* or adjacent to any structure located on the *property*?			X	
11b	Have you observed evidence or do you have prior knowledge that there have previously been any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground on the *property* or adjacent to any structure located on the *property*?		X		
12a	Is there currently evidence of leaks, spills, or staining by substances other than water, or foul odors, associated with any flooring, drains, walls, ceilings, or exposed grounds on the *property*?			X	

No.	Question	Please indicate the response to each question ("Unk " indicates a response of Unknown)			
		Yes	No	Unk	Please explain each affirmative answer in the space provided.
12b	Have you observed evidence or do you have prior knowledge that there have previously been any leaks, spills, or staining by substances other than water, or foul odors, associated with any flooring, drains, walls, ceilings, or exposed grounds on the *property*?		X		
13a	If the property is served by a private well or non-public water system, is there evidence or do you have prior knowledge that contaminants have been identified in the well or system that exceed guidelines applicable to the water system?			X	
13b	If the property is served by a private well or non-public water system, is there evidence or do you have prior knowledge that the well has been designated as contaminated by any government environmental/health agency?			X	
14	Does the owner or occupants of the *property* have any knowledge of *environmental liens* or governmental notification relating to past or recurrent violations of environmental laws with respect to the *property* or any facility located on the *property*?			X	
15a	Has the owner or occupant of the *property* been informed of the past existence of **hazardous substances** or petroleum products with respect to the property or any facility located on the property?			X	
15b	Has the owner or occupant of the *property* been informed of the current existence of **hazardous substances** or petroleum products with respect to the property or any facility located on the property?			X	
15c	Has the owner or occupant of the *property* been informed of the past existence of environmental violations with respect to the *property* or any facility located on the *property*?			X	

No.	Question	Please indicate the response to each question ("Unk " indicates a response of Unknown)			
		Yes	No	Unk	Please explain each affirmative answer in the space provided.
15d	Has the owner or occupant of the *property* been informed of the current existence of environmental violations with respect to the *property* or any facility located on the *property*?			X	
16	Does the owner or occupant of the *property* have any knowledge of any environmental site assessments of the *property* or facility that indicated the presence of **hazardous substances** or petroleum products on, or contamination of, the *property* or recommended further assessment of the property?			X	
17	Does the owner or occupant of the *property* know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any **hazardous substances** or petroleum products involving the *property* by any owner or occupant of the *property*?			X	
18a	Does the *property* discharge waste water (not including sanitary waste or storm water) onto or adjacent to the *property* and/or into a storm water system?			X	
18b	Does the *property* discharge waste water (not including sanitary waste or storm water) onto or adjacent to the *property* and/or into a sanitary sewer system?			X	
19	Did you observe or do you have any knowledge that any **hazardous substances** or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials have been dumped above grade, buried, and/or burned on the *property*?		X		
20	Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the presence of PCBs?			X	

Houghton & Valencia
SW Houghton & Valencia
Tucson, AZ 85747

Inquiry Number: 5413028.5
September 10, 2018

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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SECTION

Executive Summary

Findings

City Directory Images

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

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

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1926 through 2003. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by infoUSA®

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2003	Hill-Donnelley Corporation	-	X	X	-
1999	R.L. Polk Co Publishers	-	X	X	-
1991	R.L. Polk Co Publishers	-	-	-	-
1986	R.L. Polk Co Publishers	-	-	-	-
1980	R.L. Polk Co Publishers	-	-	-	-
1975	R.L. Polk Co Publishers	-	-	-	-
1970	R.L. Polk Co Publishers	-	-	-	-
1965	R.L. Polk Co Publishers	-	-	-	-
1960	Mullen Kille Co	-	-	-	-
1955	Mullin Kille Co	-	-	-	-
1951	Baldwin Con Survey Co, Mullin Kille and Betts Printing Co	-	-	-	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1948	Arizona Directory Co	-	-	-	-
1941	Arizona Directory Co	-	-	-	-
1935	Arizona Directory Co	-	-	-	-
1930	Houston L. Walsh	-	-	-	-
1926	Acme Printing Co	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

SW Houghton & Valencia
Tucson, AZ 85747

FINDINGS DETAIL

Target Property research detail.

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

E BENCHMARK LOOP

9474 E BENCHMARK LOOP

Year	Uses	Source
2003	Jacque David M 01 H	Hill-Donnelley Corporation

9480 E BENCHMARK LOOP

Year	Uses	Source
2003	Fulton Larry K 03 H	Hill-Donnelley Corporation

9482 E BENCHMARK LOOP

Year	Uses	Source
2003	Pilch Jeffrey W 01 H	Hill-Donnelley Corporation

9483 E BENCHMARK LOOP

Year	Uses	Source
2003	Campbell Ann	Hill-Donnelley Corporation

9484 E BENCHMARK LOOP

Year	Uses	Source
2003	Ortung Timothy	Hill-Donnelley Corporation

9485 E BENCHMARK LOOP

Year	Uses	Source
2003	Wilson John I	Hill-Donnelley Corporation

9486 E BENCHMARK LOOP

Year	Uses	Source
2003	9488 9489 No Listing	Hill-Donnelley Corporation

9490 E BENCHMARK LOOP

Year	Uses	Source
2003	Campos Jay 01 H	Hill-Donnelley Corporation

9491 E BENCHMARK LOOP

Year	Uses	Source
2003	No Listing	Hill-Donnelley Corporation

FINDINGS

E CALDWELL DR

9491 E CALDWELL DR

Year	Uses	Source
2003	Hawley Dale B 94 H	Hill-Donnelley Corporation

9492 E CALDWELL DR

Year	Uses	Source
2003	9495 No Listing	Hill-Donnelley Corporation
1999	Homan George S & Juanita 2 S A	R.L. Polk Co Publishers

9495 E CALDWELL DR

Year	Uses	Source
1999	Doyle Edith M 21 A	R.L. Polk Co Publishers

9496 E CALDWELL DR

Year	Uses	Source
2003	Mcclain George Jr 95 H	Hill-Donnelley Corporation
1999	Mc Clain George Jr 21 A	R.L. Polk Co Publishers

9499 E CALDWELL DR

Year	Uses	Source
2003	No Listing	Hill-Donnelley Corporation
1999	Beavers Scott A ID A	R.L. Polk Co Publishers

9500 E CALDWELL DR

Year	Uses	Source
2003	Brady Patrick	Hill-Donnelley Corporation

9503 E CALDWELL DR

Year	Uses	Source
1999	Deal Kim	R.L. Polk Co Publishers
	Deal Steve	R.L. Polk Co Publishers

9521 E CALDWELL DR

Year	Uses	Source
2003	Denson Sandy J 90 H	Hill-Donnelley Corporation
1999	Denson Sandy J 2 A	R.L. Polk Co Publishers

9530 E CALDWELL DR

Year	Uses	Source
2003	No Listing	Hill-Donnelley Corporation

FINDINGS

Year	Uses	Source
1999	Lee Leopold A 1 A	R.L. Polk Co Publishers

9531 E CALDWELL DR

Year	Uses	Source
2003	Tyler Sean	Hill-Donnelley Corporation
1999	Riley J	R.L. Polk Co Publishers
	Riley V	R.L. Polk Co Publishers

9540 E CALDWELL DR

Year	Uses	Source
2003	Patterson Edward T 94 H	Hill-Donnelley Corporation

9541 E CALDWELL DR

Year	Uses	Source
2003	Seckman Rick H 88 H	Hill-Donnelley Corporation
1999	Seckman Ricky H & Debra 21 A	R.L. Polk Co Publishers

9550 E CALDWELL DR

Year	Uses	Source
1999	A HOME INSPECTIONS real est	R.L. Polk Co Publishers
	agtsmgrs	R.L. Polk Co Publishers

9551 E CALDWELL DR

Year	Uses	Source
2003	No Listing	Hill-Donnelley Corporation

9560 E CALDWELL DR

Year	Uses	Source
2003	Kuehl Eric C	Hill-Donnelley Corporation

9570 E CALDWELL DR

Year	Uses	Source
2003	Creel Melvin C 99 H	Hill-Donnelley Corporation
1999	Playford John	R.L. Polk Co Publishers
	Playford Kim	R.L. Polk Co Publishers

9571 E CALDWELL DR

Year	Uses	Source
2003	No Listing	Hill-Donnelley Corporation
1999	INTERNATIONAL BUS VENTURES	R.L. Polk Co Publishers
	mgmt cnsltng svcs	R.L. Polk Co Publishers

FINDINGS

9580 E CALDWELL DR

Year	Uses	Source
2003	Rupprecht George 91 H	Hill-Donnelley Corporation
1999	Rupprecht George E 1 A	R.L. Polk Co Publishers

9581 E CALDWELL DR

Year	Uses	Source
2003	Lance John V 87 H	Hill-Donnelley Corporation
1999	Lance Karne 21 A	R.L. Polk Co Publishers

9591 E CALDWELL DR

Year	Uses	Source
2003	Welsh William J 94 H	Hill-Donnelley Corporation
1999	Welsh William J & Eva 21 A	R.L. Polk Co Publishers
	a o Vicen 0& Ji	R.L. Polk Co Publishers

9600 E CALDWELL DR

Year	Uses	Source
2003	Hobbs Lorri A 93 H	Hill-Donnelley Corporation

9601 E CALDWELL DR

Year	Uses	Source
2003	9610 No Listing	Hill-Donnelley Corporation
1999	Anguiano Vincent D & Jill El A	R.L. Polk Co Publishers

9610 E CALDWELL DR

Year	Uses	Source
1999	Smith Larry R	R.L. Polk Co Publishers

9620 E CALDWELL DR

Year	Uses	Source
2003	Gonnella Donald A 95 H	Hill-Donnelley Corporation
1999	Gonnella Donald A 1 A	R.L. Polk Co Publishers

9621 E CALDWELL DR

Year	Uses	Source
2003	Corder David A 97 H	Hill-Donnelley Corporation
1999	Corder D	R.L. Polk Co Publishers

9630 E CALDWELL DR

Year	Uses	Source
2003	No Listing	Hill-Donnelley Corporation

FINDINGS

Year	Uses	Source
1999	Cortes Bryan A	R.L. Polk Co Publishers
	Roberson Brian V	R.L. Polk Co Publishers

S FROST DR

7360 S FROST DR

Year	Uses	Source
2003	Watson Robert G	Hill-Donnelley Corporation

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
SW Houghton & Valencia	2003, 1999, 1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
7360 S FROST DR	1999, 1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9474 E BENCHMARK LOOP	1999, 1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9480 E BENCHMARK LOOP	1999, 1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9482 E BENCHMARK LOOP	1999, 1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9483 E BENCHMARK LOOP	1999, 1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9484 E BENCHMARK LOOP	1999, 1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9485 E BENCHMARK LOOP	1999, 1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9486 E BENCHMARK LOOP	1999, 1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9490 E BENCHMARK LOOP	1999, 1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9491 E BENCHMARK LOOP	1999, 1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9491 E CALDWELL DR	1999, 1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9492 E CALDWELL DR	1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9495 E CALDWELL DR	2003, 1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9496 E CALDWELL DR	1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9499 E CALDWELL DR	1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9500 E CALDWELL DR	1999, 1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926

FINDINGS

Address Researched	Address Not Identified in Research Source
9503 E CALDWELL DR	2003, 1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9521 E CALDWELL DR	1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9530 E CALDWELL DR	1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9531 E CALDWELL DR	1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9540 E CALDWELL DR	1999, 1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9541 E CALDWELL DR	1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9550 E CALDWELL DR	2003, 1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9551 E CALDWELL DR	1999, 1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9560 E CALDWELL DR	1999, 1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9570 E CALDWELL DR	1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9571 E CALDWELL DR	1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9580 E CALDWELL DR	1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9581 E CALDWELL DR	1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9591 E CALDWELL DR	1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9600 E CALDWELL DR	1999, 1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9601 E CALDWELL DR	1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9610 E CALDWELL DR	2003, 1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9620 E CALDWELL DR	1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9621 E CALDWELL DR	1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926
9630 E CALDWELL DR	1991, 1986, 1980, 1975, 1970, 1965, 1960, 1955, 1951, 1948, 1941, 1935, 1930, 1926

Houghton & Valencia
SW Houghton & Valencia
Tucson, AZ 85747

Inquiry Number: 5413028.3
September 04, 2018

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

09/04/18

Site Name:	Client Name:
Houghton & Valencia	ProTeX the PT Xperts, LLC
SW Houghton & Valencia	1102 West Southern Avenue
Tucson, AZ 85747	Tempe, AZ 85282
EDR Inquiry # 5413028.3	Contact: Joe Lopez

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by ProTeX the PT Xperts, LLC 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 # EDAB-4EF3-A5D4

PO # Houghton & Valencia

Project Houghton & Valencia

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 #: EDAB-4EF3-A5D4

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:

PHOTOGRAPHS

Photo #1 View North: North Adjacent Desert

Photo #2 View South: Adjacent Desert

Photo #3 View West: Adjacent Residential.

Photo #4: View Northwest Adjacent

Photo #5: Typical begetation and Drainage on Site.

APPENDIX D:

ENVIRONMENTAL DATA BASE

Houghton & Valencia
SW Houghton & Valencia
Tucson, AZ 85747

Inquiry Number: 5413028.2s
September 04, 2018

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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Detail Map	3
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Map Findings	8
Orphan Summary	25
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

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Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-9
Physical Setting Source Map Findings	A-11
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

SW HOUGHTON & VALENCIA
TUCSON, AZ 85747

COORDINATES

Latitude (North):	32.1168800 - 32˚ 7' 0.76''
Longitude (West):	110.7885830 - 110˚ 47' 18.89''
Universal Tranverse Mercator:	Zone 12
UTM X (Meters):	519944.5
UTM Y (Meters):	3553222.5
Elevation:	2931 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	6719481 TUCSON SE, AZ
Version Date:	2014
North Map:	6719477 TUCSON EAST, AZ
Version Date:	2014

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150530
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
SW HOUGHTON & VALENCIA
TUCSON, AZ 85747

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	DAVIS-MONTHAN AIR FO		DOD	Same	1444, 0.273, North
Reg	DAVIS MONTHAN AIR FO		SPL, AZ DOD	Same	1330, 0.252, West
A1	ARIZONA SUNSET @ RIT	NO ADDRESS ON RECORD	FINDS	Higher	1 ft.
B2	ARIZONA SUNSET @ RIT	NO ADDRESS ON RECORD	FINDS	Higher	1 ft.
B3	ARIZONA SUNSET @ RIT		EMAP	Higher	1 ft.
A4	ARIZONA SUNSET @ RIT		EMAP	Higher	1 ft.
5	FIRST RECOVERY	7601 S HOUGHTON STE	RCRA NonGen / NLR, FINDS, ECHO	Higher	102, 0.019, ESE
C6	CALMAT COMPANIES THE	7501 S HOUGHTON RD	RCRA-CESQG, FINDS, ECHO	Higher	103, 0.020, East
C7	HAZEN RESEARCH INC T	7511 S HOUGHTON RD	RCRA NonGen / NLR, FINDS, ECHO	Higher	103, 0.020, East
8	GIANT #6620	7335 S HOUGHTON RD	UST, EMAP, Enforcement, Financial Assurance	Higher	303, 0.057, East
9	US WEST #123446 - TU	7655 S HOUGHTON RD	LUST, UST, EMAP	Higher	432, 0.082, ESE
10	SUNDT CORP - HOUGHTO	7451 S HOUGHTON RD	LUST, UST, EMAP	Higher	639, 0.121, East

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

Federal institutional controls / engineering controls registries

LUCIS ..... Land Use Control Information System
US ENG CONTROLS ..... Engineering Controls Sites List
US INST CONTROL ..... Sites with Institutional Controls

EXECUTIVE SUMMARY

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

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

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

State and tribal registered storage tank lists

FEMA 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

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

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

EXECUTIVE SUMMARY

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

FUDS ..... Formerly Used 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
ABANDONED MINES ..... Abandoned Mines
UXO ..... Unexploded Ordnance Sites
DOCKET HWC ..... Hazardous Waste Compliance Docket Listing
ECHO ..... Enforcement & Compliance History Information
FUELS PROGRAM ..... EPA Fuels Program Registered Listing

EXECUTIVE SUMMARY

AIRS ..... Arizona Airs Database
Aquifer ..... Waste Water Treatment Facilities
Dry Wells ..... Drywell Registration
DRYCLEANERS ..... Drycleaner Facility Listing
Enforcement ..... Enforcement and Violation Listing
Financial Assurance ..... Financial Assurance Information Listing
MANIFEST ..... Facility and Manifest Data
VAPOR ..... Vapor Intrusion
UIC ..... Underground Injection Control Wells
SPDES ..... NPDES
WWFAC ..... Waste Water Treatment Facilities

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 identified in the following databases.

Elevations have been determined from the USGS 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. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

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

A review of the RCRA-CESQG list, as provided by EDR, and dated 03/01/2018 has revealed that there is

EXECUTIVE SUMMARY

1 RCRA-CESQG site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CALMAT COMPANIES THE EPA ID:: AZD983467143	***7501 S HOUGHTON RD***	***E 0 - 1/8 (0.020 mi.)***	***C6***	***15***

State- and tribal - equivalent CERCLIS

SPL: 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.

A review of the SPL list, as provided by EDR, and dated 08/25/2004 has revealed that there is 1 SPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DAVIS MONTHAN AIR FO Program Status: ACTIVE		***W 1/4 - 1/2 (0.252 mi.)***	***0***	***8***

State and tribal leaking storage tank lists

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

A review of the LUST list, as provided by EDR, and dated 03/20/2018 has revealed that there are 2 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
US WEST #123446 - TU Date Closed: 01/24/00 Facility Id: 0-003341 Facility Status: CLOSED	***7655 S HOUGHTON RD***	***ESE 0 - 1/8 (0.082 mi.)***	***9***	***21***
SUNDT CORP - HOUGHTO Date Closed: 08/26/98 Facility Id: 0-008899 Facility Status: CLOSED	***7451 S HOUGHTON RD***	***E 0 - 1/8 (0.121 mi.)***	***10***	***22***

State and tribal registered storage tank lists

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

A review of the UST list, as provided by EDR, and dated 04/17/2018 has revealed that there are 3 UST

sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GIANT #6620 Facility Id: 0-010202	***7335 S HOUGHTON RD***	***E 0 - 1/8 (0.057 mi.)***	***8***	***19***
US WEST #123446 - TU Closure Type: Removal Facility Id: 0-003341 Date Closed: 11/22/1991	***7655 S HOUGHTON RD***	***ESE 0 - 1/8 (0.082 mi.)***	***9***	***21***
SUNDT CORP - HOUGHTO Closure Type: Removal Facility Id: 0-008899 Date Closed: 10/01/1996	***7451 S HOUGHTON RD***	***E 0 - 1/8 (0.121 mi.)***	***10***	***22***

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

RCRA NonGen / NLR: 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.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/01/2018 has revealed that there are 2 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FIRST RECOVERY EPA ID:: AZR000002329	***7601 S HOUGHTON STE***	***ESE 0 - 1/8 (0.019 mi.)***	***5***	***14***
HAZEN RESEARCH INC T EPA ID:: AZD072460694	***7511 S HOUGHTON RD***	***E 0 - 1/8 (0.020 mi.)***	***C7***	***17***

DOD: 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.

A review of the DOD list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 DOD site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DAVIS-MONTHAN AIR FO		N 1/4 - 1/2 (0.273 mi.)	0	8

EXECUTIVE SUMMARY

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

A review of the FINDS list, as provided by EDR, and dated 02/21/2018 has revealed that there are 2 FINDS sites within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARIZONA SUNSET @ RIT Registry ID:: 110039289132	NO ADDRESS ON RECORD	0 - 1/8 (0.000 mi.)	A1	12
ARIZONA SUNSET @ RIT Registry ID:: 110039289169	NO ADDRESS ON RECORD	0 - 1/8 (0.000 mi.)	B2	13

AZ 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.

A review of the AZ DOD list, as provided by EDR, and dated 03/31/2018 has revealed that there is 1 AZ DOD site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
DAVIS MONTHAN AIR FO		***W 1/4 - 1/2 (0.252 mi.)***	***0***	***8***

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

A review of the EMAP list, as provided by EDR, and dated 04/09/2018 has revealed that there are 2 EMAP sites within approximately 0.001 miles of the target property.

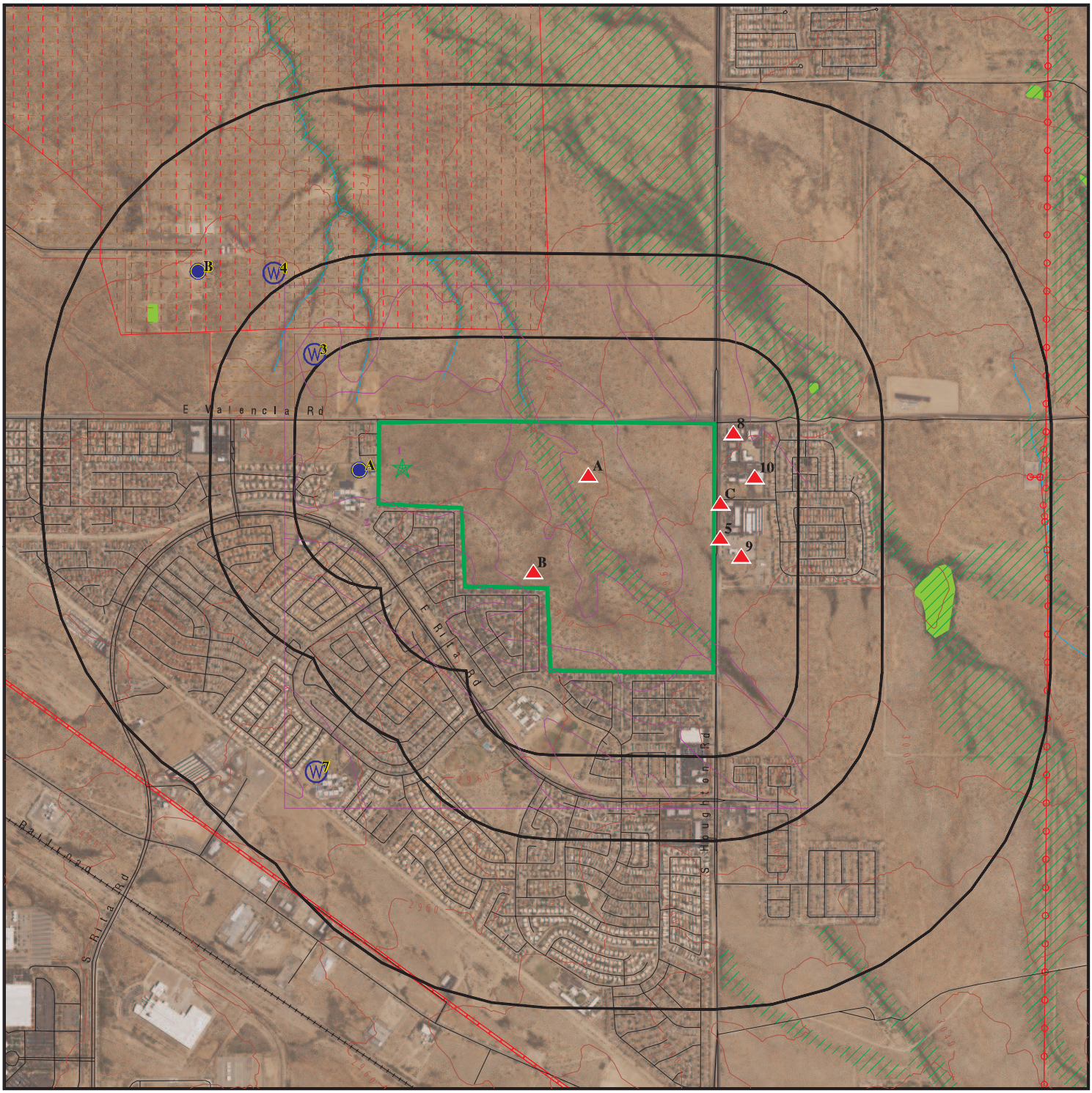
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARIZONA SUNSET @ RIT Facility Status: ACTIVE ID Number: 12837		0 - 1/8 (0.000 mi.)	B3	13
ARIZONA SUNSET @ RIT Facility Status: ACTIVE ID Number: 13123		0 - 1/8 (0.000 mi.)	A4	14

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

Site Name	Database(s)
HOUGHTON/IRVINGTON LANDFILL	RGA HWS

OVERVIEW MAP - 5413028.2S



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

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Upgradient Area

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: Houghton & Valencia	CLIENT: ProTeX the PT Xperts, LLC
ADDRESS: SW Houghton & Valencia Tucson AZ 85747	CONTACT: Joe Lopez INQUIRY #: 5413028.2s
LAT/LONG: 32.11688 / 110.788583	DATE: September 04, 2018 3:44 pm

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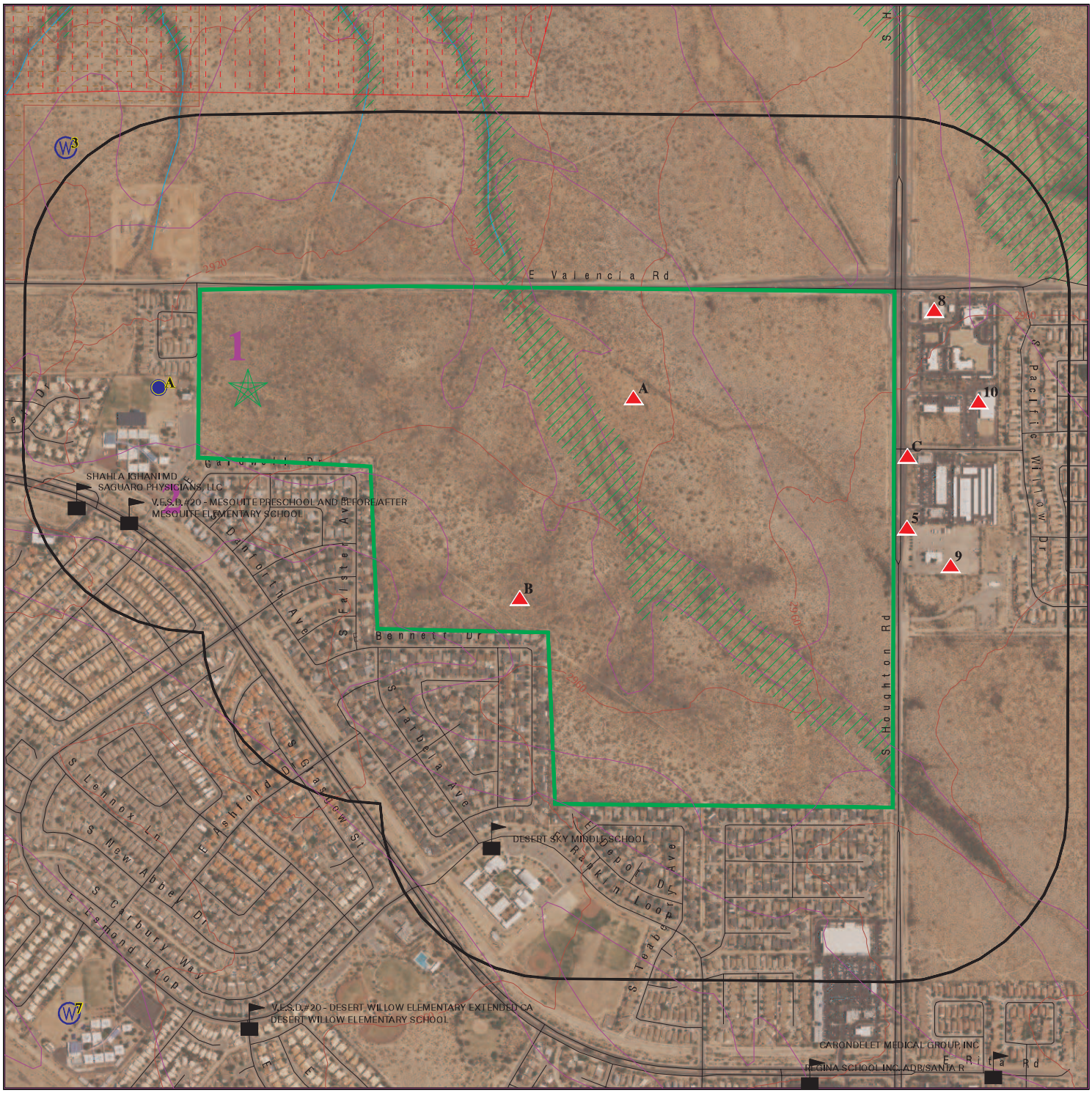
DETAIL MAP - 5413028.2S



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

100-year flood zone

500-year flood zone

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:	Houghton & Valencia	CLIENT:	ProTeX the PT Xperts, LLC
ADDRESS:	SW Houghton & Valencia Tucson AZ 85747	CONTACT:	Joe Lopez
		INQUIRY #:	5413028.2s
LAT/LONG:	32.11688 / 110.788583	DATE:	September 04, 2018 3:47 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	0.001		0	NR	NR	NR	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-CESQG	0.250		1	0	NR	NR	NR	1
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 CONTROL	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	1	0	NR	1
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		2	0	0	NR	NR	2

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		3	0	NR	NR	NR	3
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								
INDIAN VCP	0.500		0	0	0	NR	NR	0
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
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	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		2	0	NR	NR	NR	2
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	1	0	NR	1
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	0.001		0	NR	NR	NR	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	0.001		0	NR	NR	NR	NR	0
FINDS	0.001		2	NR	NR	NR	NR	2
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	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	1	NR	NR	1
Dry Wells	0.001		0	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMAP	0.001		2	NR	NR	NR	NR	2
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
VAPOR	0.500		0	0	0	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
SPDES	0.001		0	NR	NR	NR	NR	0
WWFAC	0.500		0	0	0	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	12	0	3	0	0	15

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

DOD **DAVIS-MONTHAN AIR FORCE BASE** **DOD** **CUSA146530**
Region **N/A**
North **DAVIS-MONTHAN AIR FORCE B (County), AZ**
1/4-1/2
1444 ft.

DOD:

Feature 1:	Air Force DOD
Feature 2:	Not reported
Feature 3:	Not reported
URL:	Not reported
Name 1:	Davis-Monthan Air Force Base
Name 2:	Not reported
Name 3:	Not reported
State:	AZ
DOD Site:	Yes
Tile name:	AZPIMA

DOD **DAVIS MONTHAN AIR FORCE BASE** **SPL** **S105954167**
Region **AZ DOD** **N/A**
West **TUCSON, AZ**
1/4-1/2
1330 ft.

SPL:

Program:	DOD
Program Status:	ACTIVE
Program Status 2:	Not reported
Status Date:	30-APR-90
Status Date 2:	Not reported
State Comment:	Not reported
Former Name:	Not reported
Program 2:	Not reported
Lat:	32.16399002
Long:	-110.86815463
Comments:	Not reported

DOD:

Facility Contact:	William Ellett, ADEQ Project Manager
Facility Phone:	(520) 628-6714
Facility Email:	ellett.william@azdeq.gov
Contact Fax:	(520) 628-6745 fax
Contact Name(B):	H. Don Ficklen, DMAFB Restoration Program Manager
Contact Phone(B):	(210) 395-8577
Contact Fax(B):	Not reported
Contact EMail(B):	holmes.ficklen@us.af.mil
Information Repository:	Interested parties can review site information here on this page and at the ADEQ Record Center located at 1110 W. Washington Street, Phoenix, Arizona. Please contact (602) 771-4380 or (800) 234-5677 ext. 6027714380 for hours of operation and to schedule an appointment. DMAFB documents can also be accessed at the Joel D. Valdez Pima County Library located at 101 N. Stone Ave, Tucson, AZ, 85701 on the third floor. Documents can also be accessed online by contacting Ms. Teresa Sobolewski at 520-228-5429 or via email.
Boundary Information:	Davis-Monthan Air Force Base (DMAFB) site is located in eastern Tucson, Arizona. The northern boundary gradually descends to the south from Golf Links Road to Irvington Road. The eastern boundary is Harrison Road and the western boundary is Alvernon Way. The southern-most boundary is Valencia Road on the east side of the

DAVIS MONTHAN AIR FORCE BASE (Continued) **S105954167**

site.The site includes, but is not limited to, the following: the main base landfill (LF-01), which is a closed landfill that occupies approximately 35 acres (about 2,000 feet west of the main runway); the J3 pump house (ST-35), which is the main jet fuel pump house, located near the center of the DMAFB flight line; Army and Air Force Exchange Service (AAFES) (ST-52) site, which consists of an automotive gasoline leak; site RW-16, which is a low-level radiation hazardous waste site; and site ST-36 which is a fuel leak at the Aerospace Ground Equipment (AGE) yard.

Site Status Update: The Arizona Department of Environmental Quality (ADEQ) continues to provide technical and regulatory oversight of remediation activities at DMAFB. DMAFB continues to monitor methane gas at landfill LF-01 to ensure that methane is not migrating and that concentrations continue to reduce over time. In mid-2014, the Air Force performed an investigation of Site ST-36 [Aerospace Ground Equipment (AGE) Yard] and evaluated the existing soil vapor extraction (SVE) system currently in place. The investigation was designed to identify potential additional sources of petroleum contamination at the site. The Air Force submitted the results of the investigation and SVE system evaluation to ADEQ for review, and plans additional field investigations in Fall 2015. Oversight for the removal of low-level radioactive waste at RW-16 is being performed by the Arizona Radiation Regulatory Agency in conjunction with the Air Force Radioisotope Committee. Field work to sample soil and remove the waste began in August 2015. ADEQ worked with the Air Force for several years to review the site status and determine final remedies for twenty-one sites that have been determined to either require no cleanup action or no further cleanup action. The Records of Decision (RODs) for these sites were finalized in August 2015. In addition, a ROD was signed for a military munitions response program (MMRP) site.

Community Involvement: Not reported

Contaminant: The contaminants of concern at the ST-35 include petroleum hydrocarbons and BTEX in soils. The contaminants of concern at the ST-52 and ST-36 include petroleum hydrocarbons. Contaminants of concern at the LF-01 include methane gas, VOCs, and metals in soil. Contaminants of concern may change as new data become available.

Public Health Impact: The City of Tucson is the main municipal water provider at this site. All municipal wells in the area that were contaminated with VOCs have been shut down. The municipal water supply in the area now comes from wells outside the site. A long term groundwater monitoring program is in place and many of the wells are monitored quarterly.

Action Taken: Not reported

Hydrogeology: DMAFB is located within the Tucson basin, a northwest trending alluvial valley. The Santa Cruz River flows northwesterly and provides the main drainage for the Tucson basin and is located approximately 4.6 miles west of DMAFB. Groundwater occurs within the unconsolidated alluvial deposits consisting of interfingering sand, gravel, silt, and clay. The saturated thickness of these sediments is extremely variable, being thin (less than 200 feet) toward the mountains and thickening (greater than 5,000 feet) toward the center of the basin. These deposits were distributed laterally by a constantly changing stream course. In the vicinity of DMAFB, the Pantano Formation, Tinaja Beds, and Fort Lowell Formation are the primary sources of water. DMAFB is located in the Sonoran Desert in an arid climate with a low precipitation rate of 12 inches per year and a high evaporation rate of 65 inches per year. Groundwater is the primary source of water in the Tucson area and is encountered at

DAVIS MONTHAN AIR FORCE BASE (Continued) **S105954167**

approximately 350 feet below ground surface. The groundwater table dropped 15 feet in 3 years from 1998 to 2001 and continues to drop at about one to 2 feet a year across DMAFB. Groundwater generally flows in the northwest direction.

Site History: 1925: DMAFB began operations at the site. It is a 10,700-acre training facility for tactical aircraft crews, and a primary storage facility for obsolete or excess aircraft.1940s: LF-01 began operation in the early 1940s. The landfill was used for the disposal of household debris, metals, car and aircraft components, solvents, pesticides and other items. 1976: LF-01 ceased operation. 1982: The installation restoration program (IRP) was initiated. Studies had identified 53 potential areas of concern. (Many of these sites had no confirmed contamination and most of the sites identified for remediation have now been cleaned up.) 1983: Collection of soil and groundwater samples at the LF-01 site began. The samples were tested for volatile organic compounds (VOCs), metals, pesticides, polychlorinated biphenyls, petroleum hydrocarbons, and other compounds. Analytical results were below regulatory standards. 1985: An automotive gasoline leak was discovered at site ST-36. 1987: Suspected small-arms ammo disposal pits were identified. 1989: A soil investigation was conducted at the ST-35 The investigation, which included 22 soil borings, indicated subsurface soils were contaminated with JP-4 jet fuel to depths of 230 feet. Soil contaminants included petroleum hydrocarbons and benzene, toluene, ethyl benzene and xylene (BTEX). 1994: The LF-01 sampling program was completed. Analytical results were below regulatory standards. Groundwater remediation of the jet fuel at the ST-35 occurred briefly, but was turned off after the water was determined to be free of contamination. 1995: A SVE system was constructed at the ST-35 following a 1994 study. This system was constructed to remove the BTEX and petroleum hydrocarbon constituents in the soil. (The SVE system continues to operate at the site.) 1999: A landfill cover for LF-01 was designed and installed. A landfill gas collection, control, and treatment system was subsequently installed. Also, benzene was reported at site ST-36 above the Arizona residential soil remediation levels (SRLs) at 43 milligrams per kilogram (mg/kg) at a depth of 60 feet. 2003: While installing a downgradient monitor well at the ST-35 in April, free product was encountered at a depth of 245 feet. Drilling of the well was stopped and a jet fuel investigation commenced. Analysis of the free product revealed the presence of JP-8, which was used at DMAFB starting in the early to mid-1990s. Over a dozen soil borings were drilled and sampled. It was determined that the product was coming from a previously unknown release. 2004: At ST-36, benzene was reported above the Arizona residential SRLs at 23 mg/kg at 50 feet below ground surface (bgs). At ST-35, three new groundwater monitor wells were installed farther away from the ST-35 in the downgradient direction northwest of the site. The monitor wells were installed to address concern about jet fuel penetrating the clay layer above the water table. 2005: A five-year review (FYR) was completed in July at the low level radiation hazardous waste site RW-16. A buried and fenced cement vault containing the hazardous waste is monitored annually. No deficiencies were identified during the FYR and the remedy is to be continued. An investigation and removal action was completed at the recycling yard areas of concern 50 and 51. Geophysics, trenching and sampling were followed by limited soil and debris removal at the buried disposal area. No COC above regulatory levels in soils were left in place and a closure

DAVIS MONTHAN AIR FORCE BASE (Continued) **S105954167**

letter was issued by ADEQ in July. A FYR was also completed for the automotive gasoline leak at site ST-36, and an SVE system was installed to remediate petroleum hydrocarbons in shallow soils at the former ST-52. 2006: The jet fuel contamination in the subsurface soil at ST-35 was characterized both laterally and vertically. Several of the soil borings were converted to vapor extraction wells. The SVE system removed over 206,000 gallons of petroleum hydrocarbons from the soil and continues to operate. DMAFB continued maintenance of the cover vegetation and cap at the main base landfill (LF-01). A landfill gas collection, control, and treatment system operated about 20 hours per week to maintain minimum levels of methane beneath the control tower. No COC were identified above regulatory levels in regional groundwater during the year. 2007: Through the base wide groundwater monitoring program, DMAFB continued to monitor 14 groundwater wells. One of these groundwater wells was abandoned due to damage to the well casing. Prior to abandonment, sample analysis results from this well indicated high concentrations (2700 parts per billion) of toluene. A replacement well was installed. In November, construction of a new Bank of America was completed at the ST-52 site, and the SVE system installed at ST-52 continued to operate. Following the FYR, and based on site investigations, the Aerospace Maintenance and Regeneration Center (AMARC) landfill (LF-02) was reclassified from a landfill to disposal pits. A pilot test of in-situ chemical oxidation (hydrogen peroxide) was conducted at the ST-35. The purpose of the test was to reduce benzene concentrations in the perched water at the site. Since 1995, the SVE system at this site has removed 1.3 million pounds of volatile hydrocarbons. A Phase I comprehensive site evaluation was completed under the Military Munitions Response Program (MMRP). 2008: In February and March, DMAFB injected hydrogen peroxide into the contaminated perched groundwater at the ST-35. DMAFB removed debris in the AMARC disposal pits and the ammunition disposal pits (OT-41). OT-41 contained over 1000 rounds of inert small-arms ammunition. In October, ADEQ issued a letter of completion for nine IRP sites. A Phase II comprehensive site evaluation under the MMRP was also performed. 2009: In Nov., DMAFB installed four additional wells at LF-01 to further monitor the groundwater beneath the landfill. At ST-52, the soil vapor extraction (SVE) system installed at the ST-52 was taken offline in the first quarter of 2009 while DMAFB and ADEQ evaluated more cost-effective off-gas treatment options. Based on a pilot test performed in June, DMAFB elected to use SVE with GAC to replace the existing thermal oxidation system. The SVE system using GAC was restarted in July. Also in Nov., four additional wells were installed at the ST-52 site to further characterize the groundwater at the former AAFES gas station. 2010: As of June 30, methane was only detected in one gas monitoring probe (GMP), at landfill LF-01, at 2.4 percent during both sampling rounds. Groundwater samples collected from all monitoring wells, including the four new wells installed in 2009, were non-detect for petroleum hydrocarbons and VOCs. At ST-52, data collected through June 30, document that since start of operation in May 2005, approximately 110,292 pounds of petroleum hydrocarbons have been removed. Groundwater monitoring detected only one compound, 1,2-dichloroethane above its AWQS of 5 micrograms per liter. The SVE system installed at ST-35, continued to operate. In June, it had removed approximately 1.39 million pounds of petroleum hydrocarbons. 2011 - 2012: Methane has only been detected in one GMP so far at landfill LF-01, at 2.4 percent. Groundwater samples collected from

DAVIS MONTHAN AIR FORCE BASE (Continued) **S105954167**

all monitoring wells, including the four new wells installed in 2009, were non-detect for petroleum hydrocarbons and VOCs. At ST-52, data collected through the end of Dec. 2011 indicated that extraction rates of COC had become asymptotic, indicating that a further reduction in soil vapor contamination levels would be unlikely. Since the start of operation of the SVE System in May 2005 through Dec. 2011, approximately 113,000 pounds of petroleum hydrocarbons were removed. The SVE was shut down on Dec. 31, 2011. Results of semi-annual groundwater monitoring, performed in 2011 and 2012, detected only one compound, 1,2-dichloroethane above its AWQS of 5 micrograms per liter. The SVE system installed at ST-35 ceased to operate in Dec. of 2012 pending evaluation of current subsurface conditions. As of Dec. 2012, approximately 1.41 million pounds of petroleum hydrocarbons have been removed from the subsurface. 2013: A new contractor was hired for the IRP for the Air Force s new Performance Based Remediation Contract. Ongoing monitoring and remediation of LF-01, ST-35, ST-36 and ST-52 are continuing. Twenty-five additional small sites have been remediated and are in the process of being closed. 2014: The Air Force submitted draft Records of Decision (RODs) for ADEQ review and approval for the following sites: DP-49 [Dump Site]; DP-50 and DP-51 [Disposal Pits]; LF-02 [Old Base Landfill]; OT-29 through OT-34 [Dross Piles]; OT-39 [Dross Piles]; OT-41 [Burial Pits]; SS-09 [CE Storage Yard]; OT-45 [Auto Hobby Shop]; SD-18 [AMARC Flush Farm]; OT-44 [Former Vehicle Maintenance Building 4705]; OT-46 [Chevron Area]; ST-40 [Warrior Park]; ST-53 [J4 Pump house]; and SS-43 [Golf Course Maintenance Building]. ADEQ had previously provided the Air Force with detailed comments regarding each of these draft RODs. In late 2014, ADEQ performed a final evaluation of these RODs. ADEQ performed field oversight of a subsurface soil gas investigation at Site 36. The Air Force installed soil borings to determine the extent of subsurface contamination in the area of Site 36. After the Air Force evaluates the initial analytical results, additional soil borings may be drilled. Eventually, results of the investigation will be used to refine the remediation options at the site. ADEQ also continued to coordinate oversight of cleanup activities at RW-16 [low-level radioactive waste] with the Arizona Radiation Regulatory Agency and the Air Force Radioisotope Committee. 2015: RODs were signed for twenty-two sub-sites within the Davis-Monthan AFB property. Twenty-one of these sites were legacy sites that required no action or no further action. The additional site was an MMRP site where soil excavation and removal successfully remediated the site.

A1 **ARIZONA SUNSET @ RITA RANCH PHASE 1** **FINDS** **1012148290**
NO ADDRESS ON RECORD **N/A**
< 1/8 **TUCSON, AZ 85747**
1 ft.

Site 1 of 2 in cluster A

Relative: Higher

Actual: 2933 ft.

FINDS:

Registry ID: 110039289132

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

ARIZONA SUNSET @ RITA RANCH PHASE 1 (Continued) **1012148290**

Facility System Universal Interface (AFS-UI).

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

B2 **ARIZONA SUNSET @ RITA RANCH PHASE II LOTS 1-53** **FINDS** **1012147744**
NO ADDRESS ON RECORD **N/A**
< 1/8 **TUCSON, AZ 85747**
1 ft.

Site 1 of 2 in cluster B

Relative: Higher
Actual: 2952 ft.

FINDS:

Registry ID: 110039289169

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

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

B3 **ARIZONA SUNSET @ RITA RANCH PHASE II LOTS 1-53** **EMAP** **S117586357**
N/A
< 1/8 **TUCSON, AZ**
1 ft.

Site 2 of 2 in cluster B

Relative: Higher
Actual: 2952 ft.

EMAP:

ID Number:	12837
Township:	15S
Range:	15E
Section:	23
Quarter 1:	Not reported
Quarter 2:	Not reported
Quarter 3:	Not reported
Latitude:	32.1125
Longitude:	-110.78194444
Collection Method:	MAP INTERPOLATION BY DEQ STAFF
Place Type:	WATER AND SEWER LINE PROJECT
Place Type Code:	BOTH
Place C Code:	RO
Facility Status:	ACTIVE
End Date:	Not reported
Verified:	Y

A4 **ARIZONA SUNSET @ RITA RANCH PHASE 1** **EMAP** **S117586356**
N/A

< 1/8
1 ft.

TUCSON, AZ

Site 2 of 2 in cluster A

Relative:
Higher

Actual:
2933 ft.

EMAP:

ID Number:	13123
Township:	15S
Range:	15E
Section:	23
Quarter 1:	Not reported
Quarter 2:	Not reported
Quarter 3:	Not reported
Latitude:	32.116666667
Longitude:	-110.77916667
Collection Method:	PROVIDED BY OWNER/OPERATOR
Place Type:	WATER AND SEWER LINE PROJECT
Place Type Code:	BOTH
Place C Code:	RO
Facility Status:	ACTIVE
End Date:	Not reported
Verified:	Y

---

5 **FIRST RECOVERY** **RCRA NonGen / NLR** **1001486516**
ESE **7601 S HOUGHTON STE B** **FINDS** **AZR000002329**
< 1/8 **TUCSON, AZ 85730** **ECHO**
0.019 mi.
102 ft.

Relative:
Higher

Actual:
2968 ft.

RCRA NonGen / NLR:

Date form received by agency:	11/05/1997
Facility name:	FIRST RECOVERY
Facility address:	7601 S HOUGHTON STE B TUCSON, AZ 85730
EPA ID:	AZR000002329
Contact:	DON E GELBHARDT
Contact address:	PO BOX 14000 LEXINGTON, KY 40512
Contact country:	US
Contact telephone:	606-357-7000
Contact email:	Not reported
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	ECOGARD INC
Owner/operator address:	3499 DABNEY DR LEXINGTON, KY 40509
Owner/operator country:	Not reported
Owner/operator telephone:	606-357-7389
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

FIRST RECOVERY (Continued) **1001486516**

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	Yes
Used oil Specification marketer:	Yes
Used oil transfer facility:	No
Used oil transporter:	Yes

Violation Status: No violations found

FINDS:

Registry ID: 110002600515

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1001486516
Registry ID:	110002600515
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002600515

C6 **CALMAT COMPANIES THE** **RCRA-CESQG** **1004674015**
East **7501 S HOUGHTON RD** **FINDS** **AZD983467143**
< 1/8 **TUCSON, AZ 85747** **ECHO**
0.020 mi.
103 ft. **Site 1 of 2 in cluster C**

Relative:
Higher

Actual:
2964 ft.

RCRA-CESQG:

Date form received by agency:	05/24/1993
Facility name:	CALMAT COMPANIES THE
Facility address:	7501 S HOUGHTON RD TUCSON, AZ 85747
EPA ID:	AZD983467143
Mailing address:	PO BOX 52012 PHOENIX, AZ 85072
Contact:	LISA AMOS
Contact address:	PO BOX 52012 PHOENIX, AZ 85072

CALMAT COMPANIES THE (Continued) **1004674015**

Contact country: US
Contact telephone: 602-254-8465
Contact email: Not reported
EPA Region: 09
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: CALMAT
Owner/operator address: P O BOX 52012
PHOENIX, AZ 85072
Owner/operator country: Not reported
Owner/operator telephone: 602-254-8465
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002588879

CALMAT COMPANIES THE (Continued) **1004674015**

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004674015
Registry ID:	110002588879
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002588879

C7 **HAZEN RESEARCH INC TUCSON DIV** **RCRA NonGen / NLR** **1000206808**
East **7511 S HOUGHTON RD** **FINDS** **AZD072460694**
< 1/8 **TUCSON, AZ 85731** **ECHO**
0.020 mi.
103 ft. **Site 2 of 2 in cluster C**

Relative:
Higher

Actual:
2964 ft.

RCRA NonGen / NLR:

Date form received by agency:	08/18/1980
Facility name:	HAZEN RESEARCH INC TUCSON DIV
Facility address:	7511 S HOUGHTON RD TUCSON, AZ 85731
EPA ID:	AZD072460694
Mailing address:	P.O. BOX SEVENTEEN THOUSAND NI TUSCON, AZ 85731
Contact:	ENVIRONMENTAL MANAGER
Contact address:	7511 S HOUGHTON RD TUCSON, AZ 85731
Contact country:	US
Contact telephone:	602-886-5545
Contact email:	Not reported
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	HAZEN RESEARCH, INC.
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999
Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported
Owner/operator name:	NOT REQUIRED
Owner/operator address:	NOT REQUIRED

HAZEN RESEARCH INC TUCSON DIV (Continued) **1000206808**

NOT REQUIRED, ME 99999

Owner/operator country:	Not reported
Owner/operator telephone:	415-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110002568383

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000206808
Registry ID:	110002568383
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002568383

8
East
< 1/8
0.057 mi.
303 ft.

GIANT #6620
7335 S HOUGHTON RD
TUCSON, AZ 85747

UST
EMAP
Enforcement
Financial Assurance

U004120246
N/A

Relative:
Higher

Actual:
2956 ft.

UST:

Facility ID:	0-010202
Owner:	WESTERN REFINING RETAIL, LLC
Latitude:	32.118352
Longitude:	110.771815
Tank ID:	1
Date Closed:	Not reported
Tank Status:	**Open**
Closure Type:	**Not reported**
Tank Inst Date:	**12/12/2007**
Capacity:	**2000**
Substance:	**Gasoline**
Compartment:	**COMPARTMENT A**
Tank Const Type:	**Double Walled**
Tank Mtrl Type:	**Composite (Steel/Fiberglass)**
Pipe Type:	**Pressure**
Pipe Mtrl Type:	**Fiberglass Reinforced Plastic**
Pipe const Type:	**Double Walled**
Tank ID:	2
Date Closed:	Not reported
Tank Status:	**Open**
Closure Type:	**Not reported**
Tank Inst Date:	**12/12/2007**
Capacity:	**12000**
Substance:	**Gasoline (PUL)**
Compartment:	**COMPARTMENT A**
Tank Const Type:	**Double Walled**
Tank Mtrl Type:	**Composite (Steel/Fiberglass)**
Pipe Type:	**Pressure**
Pipe Mtrl Type:	**Fiberglass Reinforced Plastic**
Pipe const Type:	**Double Walled**
Tank ID:	3
Date Closed:	Not reported
Tank Status:	**Open**
Closure Type:	**Not reported**
Tank Inst Date:	**12/12/2007**
Capacity:	**6000**
Substance:	**E-85**
Compartment:	**COMPARTMENT A**
Tank Const Type:	**Double Walled**
Tank Mtrl Type:	**Composite (Steel/Fiberglass)**
Pipe Type:	**Pressure**
Pipe Mtrl Type:	**Fiberglass Reinforced Plastic**
Pipe const Type:	**Double Walled**
Tank ID:	3
Date Closed:	Not reported
Tank Status:	**Open**
Closure Type:	**Not reported**
Tank Inst Date:	**12/12/2007**

GIANT #6620 (Continued) **U004120246**

Capacity:	**8000**
Substance:	**Diesel**
Compartment:	**COMPARTMENT B**
Tank Const Type:	**Double Walled**
Tank Mtrl Type:	**Composite (Steel/Fiberglass)**
Pipe Type:	**Pressure**
Pipe Mtrl Type:	**Fiberglass Reinforced Plastic**
Pipe const Type:	**Double Walled**

Tank ID:	4
Date Closed:	Not reported
Tank Status:	**Open**
Closure Type:	**Not reported**
Tank Inst Date:	**12/12/2007**
Capacity:	**20000**
Substance:	**Gasoline (UL)**
Compartment:	**COMPARTMENT A**
Tank Const Type:	**Double Walled**
Tank Mtrl Type:	**Composite (Steel/Fiberglass)**
Pipe Type:	**Pressure**
Pipe Mtrl Type:	**Fiberglass Reinforced Plastic**
Pipe const Type:	**Double Walled**

EMAP:

ID Number:	129809
Township:	Not reported
Range:	Not reported
Section:	Not reported
Quarter 1:	Not reported
Quarter 2:	Not reported
Quarter 3:	Not reported
Latitude:	32.118352896
Longitude:	-110.77181554
Collection Method:	LOCATED FROM COUNTY PARCEL INFORMATION
Place Type:	GAS FILLING STATION - COMMERCIAL
Place Type Code:	GS
Place C Code:	PP
Facility Status:	ACTIVE
End Date:	Not reported
Verified:	Y

ENF:

Facility ID:	129809
Facility Name:	GIANT #6620
Case ID:	140540
Facility Type:	GAS FILLING STATION - COMMERCIAL
Notice Type:	Not reported
Notice Issue Date:	05/15/2013
Order Type:	Not reported
Order Issue Date:	Not reported
Closed Date:	04/01/2014
Faciltiy Status:	Case Closed
Env Program:	UNDERGROUND STORAGE TANK PROGRAM
Notice Type Code:	Not reported

Facility ID:	129809

GIANT #6620 (Continued) **U004120246**

Facility Name:	GIANT #6620
Case ID:	164071
Facility Type:	GAS FILLING STATION - COMMERCIAL
Notice Type:	Not reported
Notice Issue Date:	07/20/2016
Order Type:	Not reported
Order Issue Date:	Not reported
Closed Date:	09/09/2016
Faciltiy Status:	Case Closed
Env Program:	UNDERGROUND STORAGE TANK PROGRAM
Notice Type Code:	Not reported

Financial Assurance 1:

Mech Desc:	Commercial Liability Insurance
Owner Name:	WESTERN REFINING RETAIL, LLC
Annual Coverage:	2000000
Effective Date:	12/01/2017
Expired Date:	12/01/2018
Tank Status:	Not reported

9
ESE
< 1/8
0.082 mi.
432 ft.

US WEST #123446 - TUCSON SE SOC **LUST** **U001157748**
7655 S HOUGHTON RD **UST** **N/A**
TUCSON, AZ 85747 **EMAP**

Relative:
Higher

Actual:
2974 ft.

LUST:

Facility Name:	US WEST #123446 - TUCSON SE SOC
Facility ID:	0-003341
Facility Status:	CLOSED
Date Closed:	01/24/00
Lust Number:	2108.01
Leak Priority:	CLOSED SOIL LVL MEETS TIER1
Notification:	12/18/91

UST:

Facility ID:	0-003341
Owner:	QWEST CORPORATION
Latitude:	32.113456
Longitude:	110.772136
Tank ID:	1
Date Closed:	11/22/1991
Tank Status:	**Perm Closure**
Closure Type:	**Removal**
Tank Inst Date:	**01/16/1976**
Capacity:	**6000**
Substance:	**Gasoline**
Compartment:	**COMPARTMENT A**
Tank Const Type:	**Unknown**
Tank Mtrl Type:	**Fiberglass Reinforced Plastic**
Pipe Type:	**Not reported**
Pipe Mtrl Type:	**Not reported**
Pipe const Type:	**Not reported**
Tank ID:	2

US WEST #123446 - TUCSON SE SOC (Continued) **U001157748**

Date Closed:	11/22/1991
Tank Status:	**Perm Closure**
Closure Type:	**Removal**
Tank Inst Date:	**01/16/1976**
Capacity:	**4000**
Substance:	**Gasoline**
Compartment:	**COMPARTMENT A**
Tank Const Type:	**Unknown**
Tank Mtrl Type:	**Fiberglass Reinforced Plastic**
Pipe Type:	**Not reported**
Pipe Mtrl Type:	**Not reported**
Pipe const Type:	**Not reported**

Tank ID:	3
Date Closed:	11/22/1991
Tank Status:	**Perm Closure**
Closure Type:	**Removal**
Tank Inst Date:	**01/16/1976**
Capacity:	**1000**
Substance:	**Diesel**
Compartment:	**COMPARTMENT A**
Tank Const Type:	**Unknown**
Tank Mtrl Type:	**Asphalt coated or Bare Steel**
Pipe Type:	**Not reported**
Pipe Mtrl Type:	**Not reported**
Pipe const Type:	**Not reported**

EMAP:

ID Number:	3847
Township:	15S
Range:	15E
Section:	24
Quarter 1:	NW
Quarter 2:	NW
Quarter 3:	NW
Latitude:	32.113456474
Longitude:	-110.77213612
Collection Method:	GPS WITH CORRECTION < 3 METER ERROR
Place Type:	COMMERCIAL PROPERTY
Place Type Code:	COMM
Place C Code:	PP
Facility Status:	NOT ACTIVE
End Date:	08/24/2011
Verified:	Y

10
East
< 1/8
0.121 mi.
639 ft.

SUNDT CORP - HOUGHTON RD **LUST** **U003229111**
7451 S HOUGHTON RD **UST** **N/A**
TUCSON, AZ 85747 **EMAP**

Relative:
Higher

Actual:
2964 ft.

LUST:

Facility Name:	SUNDT CORP - HOUGHTON RD
Facility ID:	0-008899
Facility Status:	CLOSED
Date Closed:	08/26/98

SUNDT CORP - HOUGHTON RD (Continued) **U003229111**

Lust Number: 4438.02
Leak Priority: CLOSED SOIL LVL MEETS TIER1
Notification: 07/29/96

Lust Number: 4438.03
Leak Priority: CLOSED SOIL LVL MEETS TIER1
Notification: 07/29/96

Lust Number: 4438.04
Leak Priority: CLOSED SOIL LVL MEETS TIER1
Notification: 07/29/96

Lust Number: 4438.05
Leak Priority: CLOSED SOIL LVL MEETS TIER1
Notification: 07/29/96

UST:
Facility ID: 0-008899
Owner: M M SUNDT CONSTRUCTION CO
Latitude: 32.115773
Longitude: 110.772264

Tank ID: 1
Date Closed: 10/01/1996
Tank Status: Perm Closure
Closure Type: Removal
Tank Inst Date: 06/01/1980
Capacity: 6000
Substance: Gasoline
Compartment: COMPARTMENT A
Tank Const Type: Double Walled
Tank Mtrl Type: Asphalt coated or Bare Steel
Pipe Type: Suction - Check Valve at the Tank Top
Pipe Mtrl Type: Bare or Galvanized Steel
Pipe const Type: Not reported

Tank ID: 2
Date Closed: 10/01/1996
Tank Status: Perm Closure
Closure Type: Removal
Tank Inst Date: 06/01/1980
Capacity: 6000
Substance: Diesel
Compartment: COMPARTMENT A
Tank Const Type: Double Walled
Tank Mtrl Type: Asphalt coated or Bare Steel
Pipe Type: Suction - Check Valve at the Tank Top
Pipe Mtrl Type: Bare or Galvanized Steel
Pipe const Type: Not reported

EMAP:
ID Number: 8815
Township: Not reported

SUNDT CORP - HOUGHTON RD (Continued) **U003229111**

Range:	Not reported
Section:	Not reported
Quarter 1:	Not reported
Quarter 2:	Not reported
Quarter 3:	Not reported
Latitude:	32.115773968
Longitude:	-110.77226486
Collection Method:	DIGITAL IMAGERY
Place Type:	EQUIPMENT YARD
Place Type Code:	EQYD
Place C Code:	PP
Facility Status:	NOT ACTIVE
End Date:	08/29/2011
Verified:	Y

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
TUCSON	S114981951	HOUGHTON/IRVINGTON LANDFILL	SW CNR HOUGHTON/IRVINGTON RD		RGA HWS

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: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
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: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
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: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
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: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/06/2018
Next Scheduled EDR Contact: 10/15/2018
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: 05/18/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/29/2018
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: 05/18/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/29/2018
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
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: 05/14/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 07/16/2018
Next Scheduled EDR Contact: 11/26/2018
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: 02/13/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 02/13/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
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: 03/19/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/08/2018
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: 03/31/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 06/28/2018
Number of Days to Update: 2

Source: Department of Environmental Quality
Telephone: 602-771-4609
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
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: 03/31/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 06/28/2018
Number of Days to Update: 2

Source: Department of Environmental Quality
Telephone: 602-771-4360
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
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: 07/24/2018
Next Scheduled EDR Contact: 11/12/2018
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: 06/13/2018
Next Scheduled EDR Contact: 10/01/2018
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: 03/31/2018
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 06/20/2018
Number of Days to Update: 43

Source: Department of Environmental Quality
Telephone: 602-771-2300
Last EDR Contact: 07/05/2018
Next Scheduled EDR Contact: 10/22/2018
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: 03/20/2018
Date Data Arrived at EDR: 04/13/2018
Date Made Active in Reports: 04/19/2018
Number of Days to Update: 6

Source: Department of Environmental Quality
Telephone: 602-771-4345
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Semi-Annually

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

Date of Government Version: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

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

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
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: 04/17/2018
Date Data Arrived at EDR: 07/11/2018
Date Made Active in Reports: 08/31/2018
Number of Days to Update: 51

Source: Department of Environmental Quality
Telephone: 602-771-4345
Last EDR Contact: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
Data Release Frequency: Annually

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

Date of Government Version: 06/26/2017
Date Data Arrived at EDR: 07/12/2017
Date Made Active in Reports: 09/18/2017
Number of Days to Update: 68

Source: Department of Environmental Quality
Telephone: 602-771-4380
Last EDR Contact: 08/06/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Varies

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

Date of Government Version: 07/09/2018
Date Data Arrived at EDR: 07/10/2018
Date Made Active in Reports: 08/31/2018
Number of Days to Update: 52

Source: Department of Building & Fire Safety
Telephone: 602-364-1003
Last EDR Contact: 07/09/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: No Update Planned

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: 04/10/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/25/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 05/08/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/13/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/12/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/01/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/24/2018
Date Data Arrived at EDR: 05/18/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 63

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 08/07/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 08/31/2018
Number of Days to Update: 22

Source: Department of Environmental Quality
Telephone: 602-771-4397
Last EDR Contact: 06/18/2018
Next Scheduled EDR Contact: 10/01/2018
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: 08/07/2018
Date Data Arrived at EDR: 08/09/2018
Date Made Active in Reports: 08/31/2018
Number of Days to Update: 22

Source: Department of Environmental Quality
Telephone: 602-771-4397
Last EDR Contact: 06/18/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

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

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: 06/22/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Varies

VCP: Voluntary Remediation Program Sites
Sites involved in the Voluntary Remediation Program.

Date of Government Version: 01/25/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 02/22/2018
Number of Days to Update: 20

Source: Department of Environmental Quality
Telephone: 602-771-4411
Last EDR Contact: 08/06/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Varies

State and tribal Brownfields sites

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

Date of Government Version: 01/25/2018
Date Data Arrived at EDR: 02/02/2018
Date Made Active in Reports: 02/22/2018
Number of Days to Update: 20

Source: Department of Environmental Quality
Telephone: 602-771-4401
Last EDR Contact: 08/06/2018
Next Scheduled EDR Contact: 10/15/2018
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: 03/19/2018
Date Data Arrived at EDR: 03/21/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/20/2018
Next Scheduled EDR Contact: 10/01/2018
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: 05/21/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 06/28/2018
Number of Days to Update: 2

Source: Department of Environmental Quality
Telephone: 602-771-4132
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
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: 07/30/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

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: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
Data Release Frequency: No Update Planned

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

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: 08/03/2018
Next Scheduled EDR Contact: 11/12/2018
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: 02/22/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 71

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: No Update Planned

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

Date of Government Version: 08/01/2017
Date Data Arrived at EDR: 11/07/2017
Date Made Active in Reports: 12/29/2017
Number of Days to Update: 52

Source: Board of Technical Registration
Telephone: 602-364-4931
Last EDR Contact: 06/25/2018
Next Scheduled EDR Contact: 10/08/2018
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: 02/22/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 71

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/28/2018
Next Scheduled EDR Contact: 12/10/2018
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: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/05/2018
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: 03/26/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
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: 08/24/2018
Next Scheduled EDR Contact: 12/10/2018
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: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 06/28/2018
Next Scheduled EDR Contact: 10/08/2018
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: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/03/2018
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: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
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: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
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: 08/17/2018
Next Scheduled EDR Contact: 11/26/2018
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: 03/01/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 06/27/2018
Next Scheduled EDR Contact: 10/08/2018
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: 08/03/2018
Next Scheduled EDR Contact: 11/19/2018
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: 08/10/2018
Next Scheduled EDR Contact: 11/19/2018
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: 06/22/2018
Next Scheduled EDR Contact: 10/01/2018
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: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/24/2018
Next Scheduled EDR Contact: 12/03/2018
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: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
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: 11/02/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/20/2018
Next Scheduled EDR Contact: 11/05/2018
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: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/19/2018
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: 06/01/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 126

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
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: 07/09/2018
Next Scheduled EDR Contact: 10/22/2018
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: Quarterly

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

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

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

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

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: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/23/2018
Next Scheduled EDR Contact: 11/05/2018
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: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 06/07/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/04/2018
Next Scheduled EDR Contact: 09/17/2018
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: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 07/27/2018
Next Scheduled EDR Contact: 11/05/2018
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: 04/03/2018
Date Data Arrived at EDR: 04/05/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/05/2018
Next Scheduled EDR Contact: 10/15/2018
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: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 03/31/2018
Date Data Arrived at EDR: 04/16/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 74

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/09/2018
Next Scheduled EDR Contact: 10/01/2018
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: 08/24/2018
Next Scheduled EDR Contact: 12/03/2018
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: 07/11/2018
Next Scheduled EDR Contact: 10/22/2018
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: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/19/2018
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: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/20/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 30

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 10/15/2018
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

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: 05/03/2018
Date Data Arrived at EDR: 05/31/2018
Date Made Active in Reports: 06/29/2018
Number of Days to Update: 29

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/29/2018
Next Scheduled EDR Contact: 12/10/2018
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: 08/31/2018
Next Scheduled EDR Contact: 12/10/2018
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: 08/31/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/08/2018
Date Data Arrived at EDR: 03/13/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 87

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/20/2018
Next Scheduled EDR Contact: 09/24/2018
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: 02/21/2018
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 28

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 06/06/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 73

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/29/2018
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: 01/04/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 08/31/2018
Next Scheduled EDR Contact: 12/10/2018
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 02/25/2018
Date Data Arrived at EDR: 03/17/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/06/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

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

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/21/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 30

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 08/22/2018
Next Scheduled EDR Contact: 12/03/2018
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: 07/26/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 08/31/2018
Number of Days to Update: 31

Source: Department of Environmental Quality
Telephone: 602-771-2344
Last EDR Contact: 07/02/2018
Next Scheduled EDR Contact: 10/15/2018
Data Release Frequency: Semi-Annually

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

Date of Government Version: 06/17/2018
Date Data Arrived at EDR: 06/21/2018
Date Made Active in Reports: 06/28/2018
Number of Days to Update: 7

Source: Department of Environmental Quality
Telephone: 602-771-4623
Last EDR Contact: 08/07/2018
Next Scheduled EDR Contact: 11/26/2018
Data Release Frequency: Semi-Annually

DOD: Department of Defense Sites
These sites are federal facilities that are either being assessed for potential contamination, or have active remediation taking place on them.

Date of Government Version: 03/31/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 06/28/2018
Number of Days to Update: 2

Source: Department of Environmental Quality
Telephone: 602-771-4360
Last EDR Contact: 08/17/2018
Next Scheduled EDR Contact: 12/03/2018
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: 06/17/2018
Date Data Arrived at EDR: 06/21/2018
Date Made Active in Reports: 06/28/2018
Number of Days to Update: 7

Source: Department of Environmental Quality
Telephone: 602-771-4686
Last EDR Contact: 08/20/2018
Next Scheduled EDR Contact: 12/03/2018
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: 06/18/2018
Next Scheduled EDR Contact: 10/01/2018
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: 04/09/2018
Date Data Arrived at EDR: 04/10/2018
Date Made Active in Reports: 04/19/2018
Number of Days to Update: 9

Source: Department of Environmental Quality
Telephone: 602-771-4380
Last EDR Contact: 03/06/2018
Next Scheduled EDR Contact: 06/18/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 06/12/2018
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 06/20/2018
Number of Days to Update: 5

Source: Department of Environmental Quality
Telephone: 602-771-4424
Last EDR Contact: 07/26/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

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

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/26/2018
Date Made Active in Reports: 02/22/2018
Number of Days to Update: 27

Source: Department of Environmental Quality
Telephone: 602-771-4258
Last EDR Contact: 06/25/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Varies

AZ MANIFEST: Manifest Information
Hazardous waste manifest information

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/14/2017
Date Made Active in Reports: 10/05/2017
Number of Days to Update: 83

Source: Department of Environmental Quality
Telephone: N/A
Last EDR Contact: 06/14/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Annually

VAPOR: Vapor Intrusion
A listing of vapor intrusion site locations

Date of Government Version: 01/12/2018
Date Data Arrived at EDR: 01/16/2018
Date Made Active in Reports: 03/05/2018
Number of Days to Update: 48

Source: Department of Environmental Quality
Telephone: 602-771-4197
Last EDR Contact: 06/14/2018
Next Scheduled EDR Contact: 10/01/2018
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: 07/24/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Varies

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

Date of Government Version: 06/12/2018
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 06/20/2018
Number of Days to Update: 5

Source: Department of Environmental Quality
Telephone: 602-771-4424
Last EDR Contact: 07/13/2018
Next Scheduled EDR Contact: 10/22/2018
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: 07/17/2018
Next Scheduled EDR Contact: 11/05/2018
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: 01/03/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 03/22/2018
Number of Days to Update: 36

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/09/2018
Next Scheduled EDR Contact: 11/26/2018
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: 07/01/2018
Date Data Arrived at EDR: 08/01/2018
Date Made Active in Reports: 08/31/2018
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/01/2018
Next Scheduled EDR Contact: 11/12/2018
Data Release Frequency: Quarterly

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/21/2018
Next Scheduled EDR Contact: 12/03/2018
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 07/09/2018
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/11/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Annually

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

Electric Power Transmission Line Data
Source: PennWell Corporation
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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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

HOUGHTON & VALENCIA
SW HOUGHTON & VALENCIA
TUCSON, AZ 85747

TARGET PROPERTY COORDINATES

Latitude (North):	32.11688 - 32˚ 7' 0.77''
Longitude (West):	110.788583 - 110˚ 47' 18.90''
Universal Tranverse Mercator:	Zone 12
UTM X (Meters):	519944.5
UTM Y (Meters):	3553222.5
Elevation:	2931 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	6719481 TUCSON SE, AZ
Version Date:	2014
North Map:	6719477 TUCSON EAST, 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).

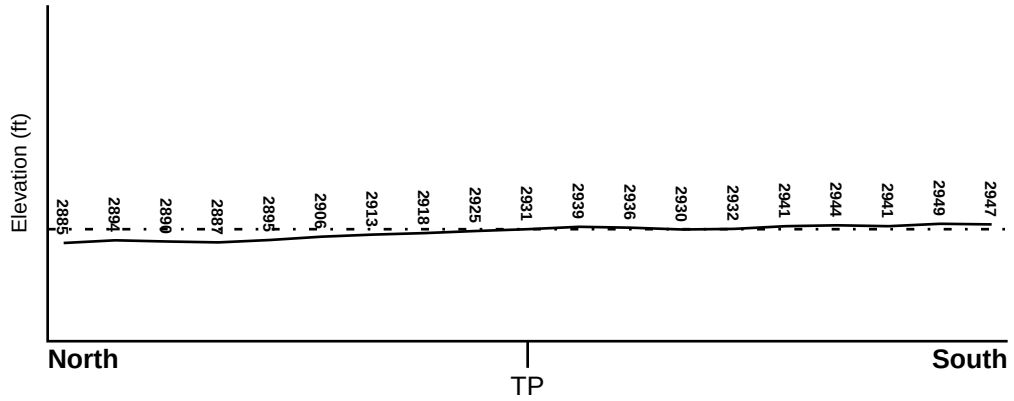
TOPOGRAPHIC INFORMATION

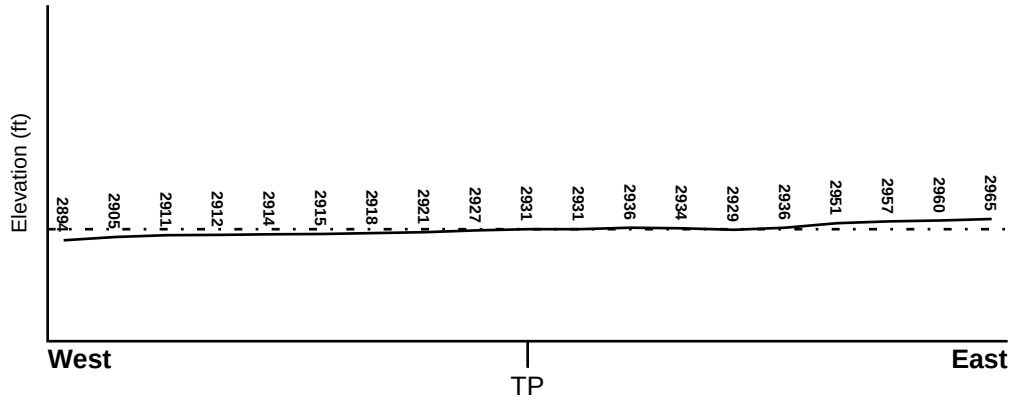
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 2931 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
04019C2925L	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
04019C2320L	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

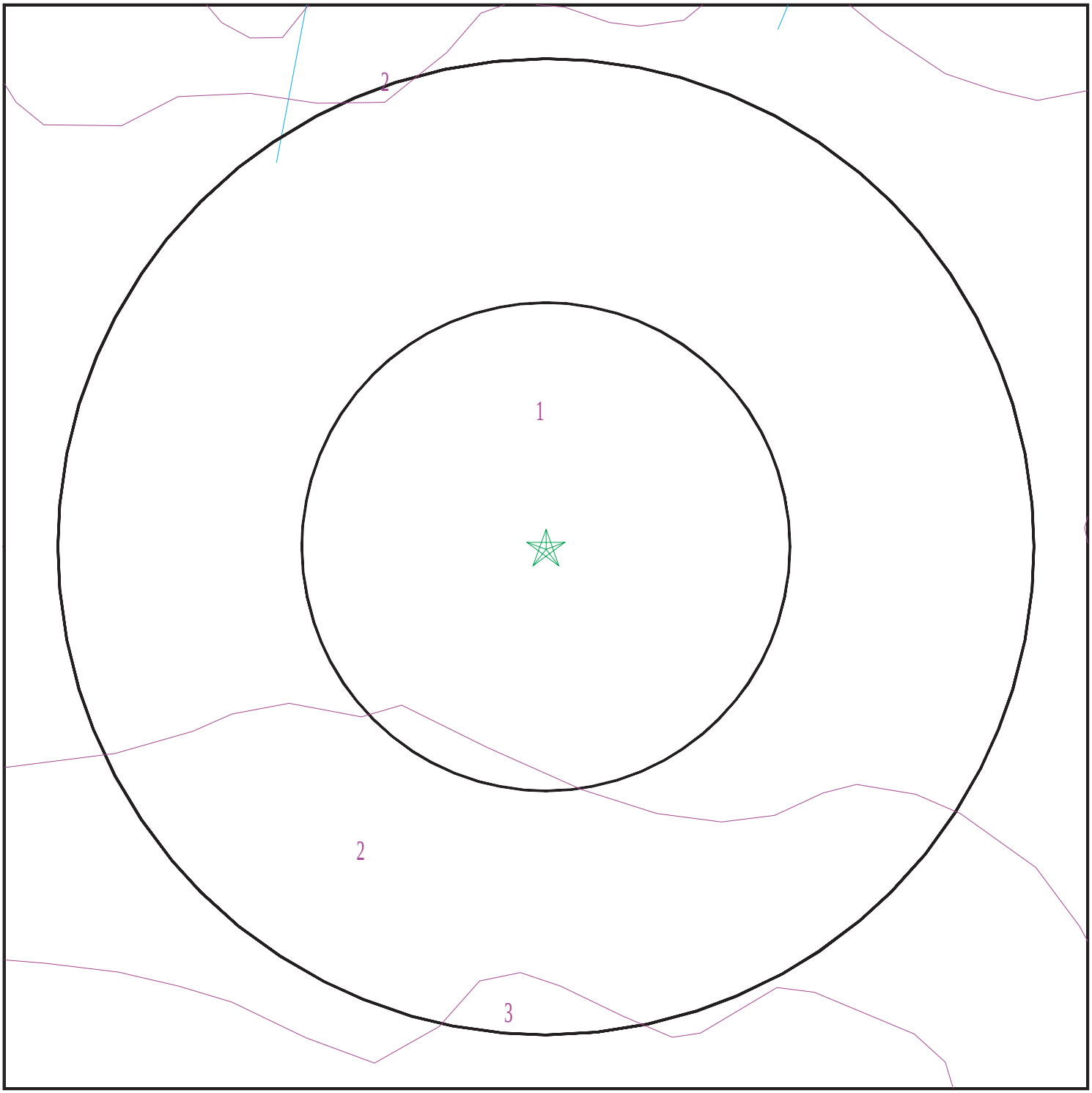
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

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 - 5413028.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Houghton & Valencia	CLIENT:	ProTeX the PT Xperts, LLC
ADDRESS:	SW Houghton & Valencia Tucson AZ 85747	CONTACT:	Joe Lopez
		INQUIRY #:	5413028.2s
LAT/LONG:	32.11688 / 110.788583	DATE:	September 04, 2018 3:48 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: gravelly 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	gravelly 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	59 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: SAHUARITA

Soil Surface Texture: very gravelly 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	3 inches	very gravelly fine sandy loam	Not reported	Not reported	Max: 4.2333 Min: 1.4111	Max: 8.4 Min: 7.4
2	3 inches	27 inches	fine sandy loam	Not reported	Not reported	Max: 4.2333 Min: 1.4111	Max: 8.4 Min: 7.4
3	27 inches	44 inches	sandy clay loam	Not reported	Not reported	Max: 4.2333 Min: 1.4111	Max: 8.4 Min: 7.4
4	44 inches	59 inches	very gravelly sandy clay loam	Not reported	Not reported	Max: 4.2333 Min: 1.4111	Max: 8.4 Min: 7.4

Soil Map ID: 3

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

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	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

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 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS40000036343	0 - 1/8 Mile WNW
4	USGS40000036434	1/2 - 1 Mile NNW
B5	USGS40000036435	1/2 - 1 Mile NW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

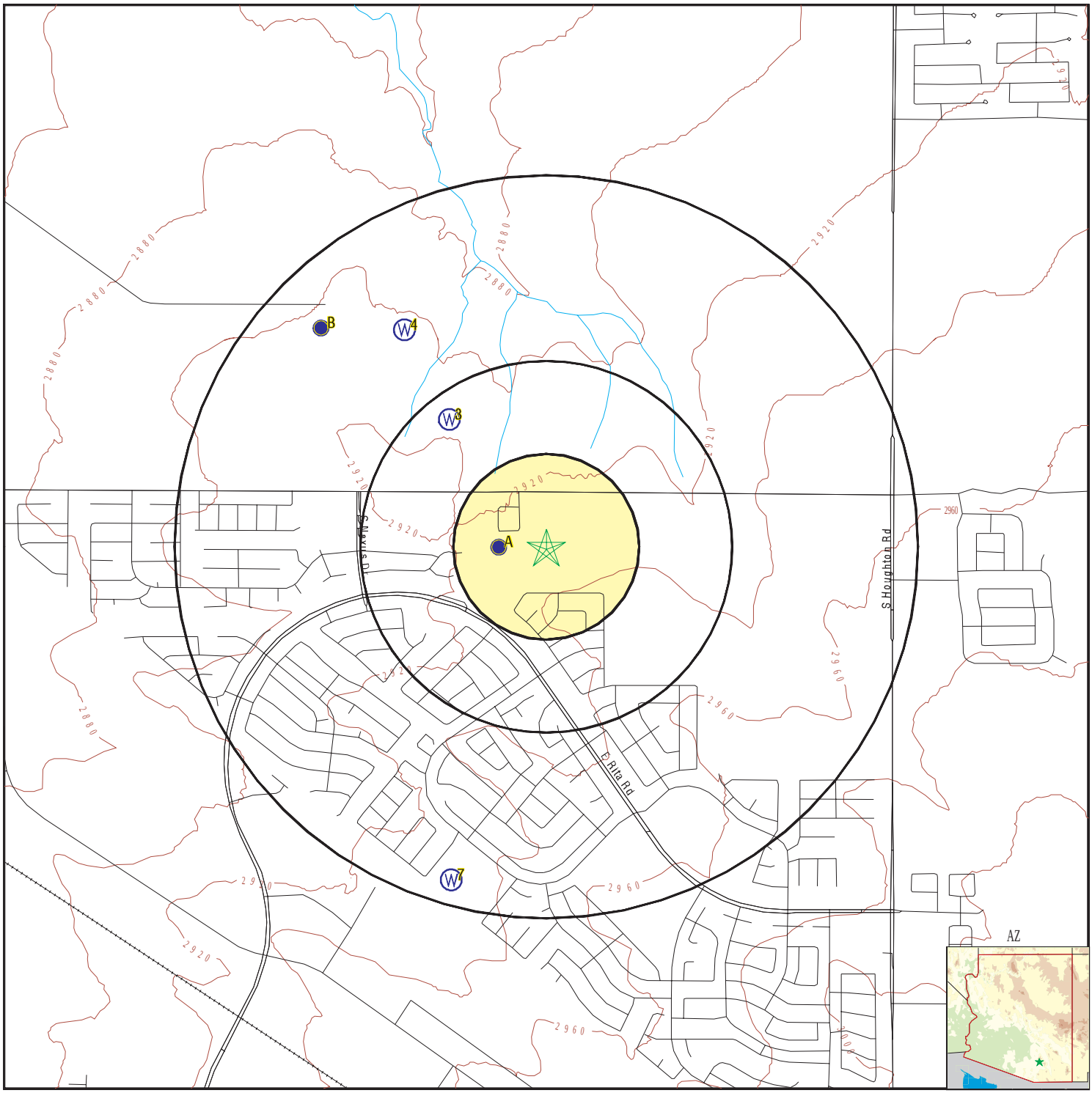
Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	AZ8000000085812	1/8 - 1/4 Mile WSW
3	AZ8000000151321	1/4 - 1/2 Mile NW
B6	AZ8000000088419	1/2 - 1 Mile NW
7	AZ8000000079529	1/2 - 1 Mile SSW

PHYSICAL SETTING SOURCE MAP - 5413028.2s



County Boundary
Major Roads
Contour Lines
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:	Houghton & Valencia	CLIENT:	ProTeX the PT Xperts, LLC
ADDRESS:	SW Houghton & Valencia Tucson AZ 85747	CONTACT:	Joe Lopez
		INQUIRY #:	5413028.2s
LAT/LONG:	32.11688 / 110.788583	DATE:	September 04, 2018 3:48 pm

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Map ID Direction Distance Elevation	Database	EDR ID Number
A1 **WNW** **0 - 1/8 Mile** **Lower**	**FED USGS**	**USGS40000036343**

Organization ID:	USGS-AZ	Organization Name:	USGS Arizona Water Science Center
Monitor Location:	D-15-15 15DDD	Type:	Well
Description:	Not Reported	HUC:	15050203
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:	19760325
Well Depth:	1000	Well Depth Units:	ft
Well Hole Depth:	1000	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1976-03-25
Feet below surface:	348.30	Feet to sea level:	Not Reported
Note:	Not Reported		

A2 **WSW** **1/8 - 1/4 Mile** **Lower**	**AZ WELLS**	**AZ8000000085812**

Registry ID:	559218	Well Type:	NON-EXEMPT - SERVICE
Well Type Group:	NON-EXEMPT	Owner Name:	TUCSON, CITY OF - TUCSON WATER
Basin:	TUCSON AMA	Subbasin:	UPPER SANTA CRUZ
Watershed:	SANTA CRUZ RIVER	AMA or INA:	TUCSON
Program:	55	Driller License #:	464
Installed:	19961213	Well Depth:	1000
Water Level:	368	Casing Depth:	1000
Casing Diameter:	16	Casing Type:	STEEL - PERFORATED OR SLOTTED CASING
RGR Pump Data:	YES	Pump Type:	TURBINE
Pump Power:	ELECTRIC MOTOR > 100 HP	Pump Rate:	1000
Tested Rate:	975	Draw Down:	77
Drill Log:	X	Application Date:	199610 1
Approved:	0	Completion:	X
Well Cancelled:	Not Reported		

---

3 **NW** **1/4 - 1/2 Mile** **Lower**	**AZ WELLS**	**AZ8000000151321**

Registry ID:	621588	Well Type:	EXEMPT
Well Type Group:	EXEMPT	Owner Name:	DAVIS-MONTHAN AFB,
Basin:	TUCSON AMA	Subbasin:	UPPER SANTA CRUZ
Watershed:	SANTA CRUZ RIVER	AMA or INA:	TUCSON
Program:	55	Driller License #:	161
Installed:	19511023	Well Depth:	527
Water Level:	344	Casing Depth:	527
Casing Diameter:	10	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:	6
Tested Rate:	6	Draw Down:	0
Drill Log:	Not Reported	Application Date:	1982 614

Approved:	0	Completion:	A
Well Cancelled:	Y		

4
NNW
1/2 - 1 Mile
Lower

FED USGS **USGS40000036434**

Organization ID:	USGS-AZ	Organization Name:	USGS Arizona Water Science Center
Monitor Location:	D-15-15 15DAB	Type:	Well
Description:	Not Reported	HUC:	15050302
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:	19720101
Well Depth:	230	Well Depth Units:	ft
Well Hole Depth:	230	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	1	Level reading date:	1972-01-01
Feet below surface:	110.00	Feet to sea level:	Not Reported
Note:	Not Reported		

B5
NW
1/2 - 1 Mile
Lower

FED USGS **USGS40000036435**

Organization ID:	USGS-AZ	Organization Name:	USGS Arizona Water Science Center
Monitor Location:	D-15-15 15CAA	Type:	Well
Description:	Not Reported	HUC:	15050302
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:	19511022
Well Depth:	426	Well Depth Units:	ft
Well Hole Depth:	426	Well Hole Depth Units:	ft

Ground water levels,Number of Measurements:	25	Level reading date:	1987-12-10
Feet below surface:	351.80	Feet to sea level:	Not Reported
Note:	Not Reported		
Level reading date:	1981-12-22	Feet below surface:	345.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-04-05	Feet below surface:	339.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-03-27	Feet below surface:	340.80
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1974-03-06	Feet below surface:	341.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1973-02-28	Feet below surface:	338.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1972-03	Feet below surface:	334.82

Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1971-03-10	Feet below surface:	336.70
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1970-03-31	Feet below surface:	336.01
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1969-03-04	Feet below surface:	335.50
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1968-03-28	Feet below surface:	335.20
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1967-03-16	Feet below surface:	334.46
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1966-04-07	Feet below surface:	331.24
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1965-03-23	Feet below surface:	333.13
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1964-03-20	Feet below surface:	334.30
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1963-03-27	Feet below surface:	331.73
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1962-03-23	Feet below surface:	330.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1961-04	Feet below surface:	330.07
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-01-02	Feet below surface:	328.57
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-02-18	Feet below surface:	327.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-12-28	Feet below surface:	326.97
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-12-20	Feet below surface:	327.33
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-02-03	Feet below surface:	325.92
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-01-30	Feet below surface:	325.22
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-03-25	Feet below surface:	324.99
Feet to sea level:	Not Reported	Note:	Not Reported

Map ID Direction Distance Elevation	Database	EDR ID Number
B6 **NW** **1/2 - 1 Mile** **Lower**	**AZ WELLS**	**AZ8000000088419**

Registry ID:	560617	Well Type:	EXEMPT
Well Type Group:	EXEMPT	Owner Name:	DAVIS-MONTHAN AFB,
Basin:	TUCSON AMA	Subbasin:	UPPER SANTA CRUZ
Watershed:	SANTA CRUZ RIVER	AMA or INA:	TUCSON
Program:	55	Driller License #:	185
Installed:	1997 5 1	Well Depth:	1000
Water Level:	400	Casing Depth:	1000
Casing Diameter:	30	Casing Type:	STEEL - PERFORATED OR SLOTTED CASING
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	Application Date:	199612 2
Approved:	0	Completion:	Not Reported
Well Cancelled:	Not Reported		

---

7 **SSW** **1/2 - 1 Mile** **Lower**	**AZ WELLS**	**AZ8000000079529**

Registry ID:	552115	Well Type:	NON-EXEMPT - SERVICE
Well Type Group:	NON-EXEMPT	Owner Name:	TUCSON, CITY OF
Basin:	TUCSON AMA	Subbasin:	UPPER SANTA CRUZ
Watershed:	SANTA CRUZ RIVER	AMA or INA:	TUCSON
Program:	55	Driller License #:	185
Installed:	19951227	Well Depth:	1000
Water Level:	365	Casing Depth:	1000
Casing Diameter:	16	Casing Type:	STEEL - PERFORATED OR SLOTTED CASING
RGR Pump Data:	YES	Pump Type:	TURBINE
Pump Power:	ELECTRIC MOTOR > 100 HP	Pump Rate:	1300
Tested Rate:	800	Draw Down:	41
Drill Log:	X	Application Date:	19951031
Approved:	0	Completion:	X
Well Cancelled:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: AZ Radon

Radon Test Results (pCi/L)

Zip	City	Result (pCi/L)
85747	TUCSON	< 0.50
85747	TUCSON	= 1.20
85747	TUCSON	= 1.40
85747	TUCSON	= 1.60

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 Zip Code: 85747

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.100 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.300 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.

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.

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX E:

ENVIRONMENTAL PROFESSIONAL QUALIFICATIONS

John B. Ritter, P.E., Professional Engineer

EXPERIENCE
Mr. Ritter has over 39 years of professional engineering and management experience, as well as outstanding skills in project leadership. Duties have included Phase 1 Environmental Assessments, Geotechnical Investigations, and Materials and Construction Consulting.

EDUCATION
Bachelor of Science in Civil Engineering
Arizona State University, Tempe, Arizona
ASTM Phase I & II Environmental Site Assessment for Commercial Real Estate, October 2007
ASTM Environmental Site Assessments for Commercial Real Estate, March 2007

REGISTRATIONS
Professional Engineer, Certificate #11315, State of Arizona
Registered Land Surveyor, Certificate # 17459, State of Arizona

Joseph D. Lopez, Environmental Technician

EXPERIENCE
Mr. Lopez spent a brief service in the Mining Industry performing Geophysical surveys, and Environmental sampling. Mr. Lopez has been with ProTeX for 2 years aiding with Environmental Site Assessments (ESAs), Soils and Aggregate material testing, and chemical analysis.

EDUCATION
Bachelor of Science, Geoscience
University of Arizona, Tucson, Arizona
ASTM Phase I & II Environmental Site Assessment, September 2017.