PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

BASELINE ROAD
PROPOSED RIGHT-OF-WAY SOUTHWEST
SOUTH 59TH AVENUE & BASELINE ROAD
LAVEEN, ARIZONA 85339

Prepared for:

LAVEEN BASELINE, LLC

Prepared by:

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
PHOENIX, ARIZONA

CEC Project 182-001

September 13, 2018

September 13, 2018

Brad Anderson
Laveen Baseline LLC
1707 E. Highland Avenue, Suite 100
Phoenix, AZ 85016

Dear Mr. Anderson:

Subject: Report of Phase I Environmental Site Assessment
Baseline Road Proposed Right-of-Way Southwest
South 59th Avenue and Baseline Road, Laveen, Arizona
CEC Project 182-001

Civil & Environmental Consultants, Inc. (CEC) is pleased to submit the attached Phase I Environmental Site Assessment (ESA) report for the above referenced Subject Property. This Phase I ESA was performed at your request in accordance with our agreed upon proposal, dated May 8, 2018.

We appreciate the opportunity to be of continuing service to you. If you have any questions or require additional services, please feel free to contact us at (602) 760-2324.

Sincerely,

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

Ryan D. Dunning
Principal

Robert S. Livermore
Principal

Enclosures

EXECUTIVE SUMMARY

The Executive Summary below is an overview of the results of this Phase I Environmental Site Assessment (ESA) and should not be considered apart from the entire report, which contains the rationale and qualifications used by Civil & Environmental Consultants, Inc. (CEC) in making the opinions and conclusions presented herein.

PROPERTY NAME/ADDRESS:	Baseline Road Proposed Right-of-Way Southwest South 59th Avenue and Baseline Road, Laveen, Arizona
INTENDED USER(S):	City of Phoenix
PROPERTY/TAX ID:	Portions of 300-02-923
PROPERTY OWNER:	Laveen Baseline LLC
PROPERTY DESCRIPTION:	
Land Area:	0.7 Acres
Improvements:	None
Water/Sanitary:	Municipal water/sewer available
Heating Fuel:	Natural gas available
CURRENT USE:	Agricultural land
HISTORIC USE:	The Subject Property was undeveloped until approximately 1961, when it was cultivated as agricultural cropland. The Subject Property has been used to grow various crops since that time.
ADJACENT PROPERTY USE:	North: Baseline Road with a hay field beyond East: S 59th Avenue with vacant land South: Corn field West: Loop 202 development
SIGNIFICANT DATA GAPS:	None identified
RECOGNIZED ENVIRONMENTAL CONDITIONS (RECS):	None identified

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1.0 INTRODUCTION

This report documents the results of a Phase I ESA for the vacant agricultural property located at the southwest corner of South 59th Avenue and Baseline Road in Phoenix (Laveen), Maricopa, Arizona (the "Subject Property"). CEC conducted this assessment on behalf of Laveen Baseline LLC in accordance with our proposal, dated May 8, 2018. Laveen Baseline LLC requested that CEC perform this Phase I ESA as part of their due diligence prior to dedicating the Subject Property to the City of Phoenix as right-of-way. As such, CEC understands that the city of Phoenix will be the user[1] of this Phase I ESA.

1.1 PURPOSE

The purpose of this Phase I ESA is to identify, to the extent feasible pursuant to the process prescribed herein, recognized environmental conditions (RECs)[2] in connection with the Subject Property in accordance with ASTM International (ASTM) E1527-13 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" (the "Standard"). In doing so, this Phase I ESA is intended to permit the user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on liability (hereinafter, the "landowner liability protections") available under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended (42 U.S.C. §9601). No sampling or testing of materials, soil, water, air, or other environmental media was performed.

1.2 SCOPE OF SERVICES

CEC performed the following scope of services in order to meet the purpose of this Phase I ESA.

[1] The term user is defined in the Standard as "the party seeking to use Practice E 1527 to complete an environmental site assessment of the property. A user may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager." The user is also the party that intends to use the Phase I ESA to satisfy one of the requirements to qualify for the landowner liability protections under CERCLA.

[2] The term recognized environmental conditions (RECs) is defined in the Standard as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions."

1.2.1 Records Review

The purpose of the records review is to identify, obtain, and review reasonably ascertainable records from standard sources that will help identify RECs in connection with the Subject Property. The records review consisted of the following:

(1) Standard Environmental Record Sources: A review of records obtained through a search of reasonably ascertainable government agency databases was performed to determine if the Subject Property and/or properties within prescribed search distances are listed in databases indicative of conditions or activities that may have a negative impact on the Subject Property. The sources and approximate minimum search distances included in the search were those set forth in the Standard.

(2) Physical Setting Sources: A review of the current USGS 7.5-Minute Topographic Map showing the area of the Subject Property and other regional geology and soil maps described in Section 4.3 to gain a general understand its physical setting.

(3) Historical Use Information: A review of select reasonably ascertainable historical resources to develop a history of the previous uses of the Subject Property, its adjoining properties, and properties in the surrounding area to identify the likelihood of past uses having led to RECs in connection with the Subject Property. CEC utilized various historical resources to identify the obvious uses of the Subject Property back to its first developed use, or back to 1940, whichever was earlier, as described in Section 4.4, and to the extent practical based on the available resources.

1.2.2 Subject Property Reconnaissance

A reconnaissance was performed by a CEC Environmental Professional (EP) to obtain information indicating the likelihood of RECs in connection with the Subject Property. The reconnaissance consisted of a visit to observe the physical setting of the Subject Property and evaluate its current and former uses. The current uses of adjoining properties were identified to the extent that they were visually and/or physically observable from the Subject Property or from public areas during the reconnaissance.

1.2.3 Interviews

CEC's EP conducted interviews with the individuals listed in Section 6.0 in order to obtain information indicating RECs in connection with the Subject Property.

1.2.4 Report

After completion of the above tasks, CEC prepared this Phase I ESA report describing the scope of services performed, the findings that include the identification of RECs and opinions of the potential impact of the RECs on the property, and whether additional appropriate investigations would be necessary.

1.2.5 Non-Scope Considerations and Additional Services

Unless otherwise explicitly stated, the scope of services for this Phase I ESA does not include the collection and analysis of any environmental media. In accordance with the Standard, issues considered beyond the scope of this Phase I ESA include asbestos-containing materials, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, biological agents, PCB-containing building materials, controlled substances, and mold. In addition, issues regarding ionizing radiation, oil/gas production, mineral rights and mining, and geotechnical suitability are also considered beyond the scope of this ESA.

No additional services beyond the scope defined in the Standard were requested by Lines Brothers Land & Cattle, LLC as part of the Phase I ESA.

1.3 SIGNIFICANT ASSUMPTIONS

CEC completed this Phase I ESA using the following significant assumptions:

- The information obtained from presumably knowledgeable parties (e.g. Subject Property owner, manager, user, tenants, etc.), regulatory agencies, or other sources was assumed to be accurate and reliable.

- The obtained regulatory database information was assumed to accurately reflect the information contained in the regulatory agency records, unless it was obviously contradicted by other data.

- Shallow groundwater flow was assumed to mimic area topography as depicted on the local USGS 7.5-minute topographic map and as observed during the reconnaissance. Within the scope of this ESA, no subsurface data was obtained to evaluate the actual groundwater flow direction beneath the Subject Property. Local factors, such as underground utilities, heterogeneous subsurface features, and seasonal fluctuations, among other factors may influence the actual direction of groundwater flow at and near the Subject Property. Site-specific groundwater flow can only be determined through the installation of piezometers into the transmissive zone being evaluated.

1.4 LIMITATIONS AND EXCEPTIONS

CEC performed this Phase I ESA consistent with professional standards and in accordance with the scope and limitations defined in the Standard. This report presents CEC's field observations, results and opinions as they existed on the date of the reconnaissance, and is subject to modification by CEC, if CEC or any other party develops subsequent information. Limiting conditions encountered as part of this ESA, if any, are discussed in the corresponding sections of this report.

Performance of this Phase I ESA is intended to reduce, but not eliminate, uncertainty of environmental conditions associated with the property. Therefore, the information and comments made in this report should not be construed to warrant or guarantee the property, or express or imply, without limitation, warranties as to its marketability or fitness for a particular use. Furthermore, the information that is provided in this report is not intended, nor should it be construed to be, legal advice. The review of site-specific documentation was limited to those items referenced in this report.

It should be noted that this report is time sensitive and has specific limitations related to the viability of the information contained herein. Specific to Phase I ESAs, the Standard imposes a "shelf life"[3]on the reports and components thereof, as well as specific user obligations. It is the responsibility of the user to verify the continued viability of the report.

1.5 SPECIAL TERMS AND CONDITIONS

There are no special terms or conditions associated with this Phase I ESA.

1.6 USER RELIANCE

This report is intended for the sole use of Laveen Baseline LLC and the City of Phoenix. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of others, and use of this document or the findings, conclusions, or recommendations contained herein by others is at their sole risk. Reliance by Laveen Baseline LLC and the City of Phoenix on the facts, conclusions, and recommendations presented in this report is subject to the agreed upon specific scope of services and contractual terms and conditions, including explicit indemnification statements and limitations on CEC's financial liability.

This report and its findings shall not, in whole or in part, be disseminated or conveyed to another party, nor used by another party in whole or in part, without prior written consent of CEC, except as permitted by the Standard.

[3] According to the Standard, the shelf life, or "continued viability," of the ESA is "Subject to Section 4.8, an environmental site assessment meeting or exceeding this practice and completed less than 180 days prior to the date of acquisition of the property or (for transactions not involving an acquisition) the date of the intended transaction is presumed to be valid. If within this period the assessment will be used by a user different than the user for whom the assessment was originally prepared, the subsequent user must also satisfy the user's Responsibilities in Section 6. Subject to Section 4.8 and the user's Responsibilities set forth in Section 6, an environmental site assessment meeting or exceeding this practice and for which the information was collected or updated within one year prior to the date of acquisition of the property or (for transactions not involving an acquisition) the date of the intended transaction may be used provided that the following components of the inquiries were conducted or updated within 180 days of the date of purchase or the date of the intended transaction: (i) interviews with owners, operators, and occupants; (ii) searches for recorded environmental cleanup liens;(iii) reviews of federal, tribal, state, and local government records; (iv) visual inspections of the property and of adjoining properties; and (v) the declaration by the environmental professional responsible for the assessment or update."

2.0 SUBJECT PROPERTY DESCRIPTION

2.1 LOCATION AND LEGAL DESCRIPTION

The Subject Property is located on the south side of Baseline Road, extending approximately 750 feet west from South 59th Avenue, and consists of the northern 30 to 60 120 feet of Parcel 300-02-923 in Phoenix (Laveen), Maricopa County, Arizona. A Subject Property Location Map and Subject Property Diagram are attached as Figures No. 1 and 2, respectively. Refer to Appendix A for a copy of the legal description.

2.2 SUBJECT PROPERTY AND VICINITY GENERAL CHARACTERISTICS

The 0.7-acre Subject Property is comprised of an irregularly-shaped swath of vacant agricultural land encompassing an approximately 750' x 30'-60' area adjoining the south side of Baseline Road. The southern half of the Subject Property consists of a corn field and northern half consists of grassy drainage feature along Baseline Road. Old South 59th Avenue traverses the Subject Property from north to south on the eastern half.

The land use in the immediate vicinity of the Subject Property consists primarily agricultural and residential properties, with the Loop 202 freeway development adjacent to the west. The surrounding community is well developed with single-family homes and neighborhood businesses.

The topography of the Subject Property and the vicinity is generally flat with a gentle slope to the east.

2.3 CURRENT USE OF THE SUBJECT PROPERTY

The Subject Property is owned by Laveen Baseline LLC and is occupied by a corn field.

2.4 DESCRIPTION OF STRUCTURES, ROADS, AND OTHER IMPROVEMENTS

The Subject Property is comprised of an irregularly-shaped swath of vacant agricultural land encompassing an approximately 750' x 30'-60' area adjoining the south side of Baseline Road. The southern half of the Subject Property consists of a corn field and the northern half consists of grassy drainage feature along Baseline Road. Old South 59th Avenue traverses the Subject

Property from north to south on the eastern half and consists of an improved gravel roadway. Refer to Appendix B for photographs of the Subject Property.

The Subject Property is serviced by municipal water and sanitary sewer services, underground electric service, and natural gas service.

2.5 CURRENT USES OF THE ADJOINING PROPERTIES

The Subject Property is bordered to the north by Baseline Road with agricultural land beyond; to the east by South 59th Avenue with vacant land beyond; to the south by a cornfield; and to the west by the Loop 202 freeway development.

3.0 USER PROVIDED INFORMATION

The City of Phoenix has not yet provided a completed user questionnaire, which provides information indicating the extent of its designated representative's knowledge pertaining to the Subject Property. A copy of the blank user questionnaire provided to the City of Phoenix is provided in Appendix C.

4.0 RECORDS REVIEW

4.1 ENVIRONMENTAL RECORD SOURCES

4.1.1 Government Environmental Databases

CEC contracted with Environmental Data Resources, Inc. (EDR) of Milford, Connecticut to conduct a search of reasonably ascertainable environmental record sources published by Federal, State, and/or Tribal regulatory agencies with jurisdiction over the Subject Property. EDR also searches their proprietary databases of historical auto station, dry cleaner, and manufactured gas plant locations. The search of each database was conducted using the approximate minimum search distances from the Subject Property defined by the Standard. The results of EDR's search were used to evaluate if the Subject Property and/or properties within prescribed search distances are listed as having a past or present record of actual or potential environmental impact. Please note that regulatory listings include only those properties, which are known to the regulatory agencies at the time of publication to be 1) contaminated, 2) in the process of evaluation for potential contamination, or 3) regulated. Inclusion of a property in a government database list does not necessarily indicate that the property has an environmental problem.

EDR plotted the locations of the listed properties identified in the search relative to the Subject Property and provided the regulatory information available for each in a Radius Map Report, July 2, 2018. Refer to Appendix D for a copy of EDR's Radius Map Report, which includes an "Overview Map" and a "Detail Map" showing the locations of the identified properties. A listing of the "standard" and "additional" record sources reviewed is also included.

4.1.1.1 Subject Property Listings

The Subject Property was not listed on the databases included in the EDR Radius Map Report.

4.1.1.2 Non-Subject Property Listings

EDR's Radius Map Report identified one non-Subject Property listings on the various databases within the approximate minimum search distances from the Subject Property. CEC reviewed the data presented for this listing and evaluated them based on its regulatory status (according to EDR's report), its distance from the Subject Property, and the general geology of the region (refer to Section 4.2).

- Michael Moss Contracting, Inc. at 7221 S 61st Drive (approximately 1,300 feet northwest and hydraulically down-gradient of Subject Property) was listed as having a UST that was permanently closed and removed in 1993. No releases were reported.

Please refer to EDR's Radius Map Report in Appendix D for a complete details of the listing.

4.1.1.3 Orphan Listings

Not all sites or facilities identified in the database records can be accurately located in relation to the Subject Property due to incomplete information being supplied to the regulatory agencies and are referred to as "orphan sites" by EDR. The "Orphan Summary" section of the EDR Radius Map Report identified no orphan sites.

4.1.2 State Environmental Regulatory Agency

Based on the evaluation of the government environmental database listings described in Section 4.1.1, CEC determined there were no listings for the Subject Property, nor the adjacent properties, and a review of regulatory agency files was not warranted.

4.1.3 Local Fire Department

Based on its historically undeveloped nature and the lack of an applicable physical address, CEC did not review files at the City of Phoenix Fire Department as they only maintain records by for properties with physical addresses.

4.1.4 Local Environmental Health Department

CEC conducted a review of septic permits available on the Maricopa County Environmental Services Department Website. No permits were available for the Subject Property or its larger parent parcel.

4.2 PHYSICAL SETTING SOURCES

CEC reviewed information from various physical setting sources to evaluate the general characteristics of the subsurface geology in the vicinity of the Subject Property. This information was reviewed to evaluate how those characteristics may influence movement of potential

subsurface impact identified on or near the Subject Property. It was not the intent of this review to evaluate the geotechnical conditions of the Subject Property or to assess geologic concerns such as foundation conditions, faulting, subsidence, mining, or oil/gas wells.

4.2.1 Topography

Review of the 7.5-minute Topographic Quadrangle Map of "Fowler, Arizona" (U.S. Geological Survey, 2014) indicated that the ground surface of the Subject Property is mapped at an elevation of approximately 1,000± feet above mean sea level (msl). The nearest surface water body was identified as Salt River approximately 1.5 miles to the north of the Subject Property. Refer to Figure 1 for an excerpt of this map.

4.2.2 Geology

According to the Geological Map of Arizona (AZDEQ Geologic Survey Division, 2013), the regional geology in the area of the Subject Property consists primarily of Holocene River Alluvium, which is unconsolidated to weakly consolidated sand and gravel in river channels and sand, silt, and clay on floodplains. It also includes young terrace deposits fringing floodplains.

4.2.3 Hydrogeology

Based on the regional topographic gradient of the Site and vicinity, shallow groundwater flow is anticipated to flow east toward the confluence of the Salt and Gila Rivers. According to the Hydrologic map Series Report No. 35 (Arizona Department of Water Resources, 2003), the depth to groundwater is anticipated to be approximately 50 feet below grade and flows to the northeast toward the Salt River. Actual groundwater characteristics cannot be determined without a Site-specific subsurface investigation.

4.3 HISTORICAL USE INFORMATION ON THE SUBJECT PROPERTY AND ADJOINING PROPERTIES

CEC reviewed the readily available historical sources described in the following sections to ascertain the historical uses of the Subject Property and immediately adjacent properties to evaluate the presence of activity that could present RECs. Information, as summarized below, was obtained dating back to 1912.

4.3.1 Local Assessor's Tax Files

CEC reviewed records pertaining to the larger parent parcels of the Subject Property on the Maricopa County Assessor's Office website on July 5, 2018. Legal descriptions and owner information were obtained during the records review. The parent parcel was identified as being 17.6-acres in size and used as agricultural or vacant land. The parent parcel has been owned by Laveen Baseline LLC since 2009. Refer to Appendix A for copies of documents from the Assessor's file.

4.3.2 Local Building Department

Based on its historically undeveloped nature, CEC did not review files at the City of Phoenix Planning and Development Services Department.

4.3.3 Aerial Photographs

Aerial photographs were obtained for the vicinity of the Subject Property from EDR. Photographs were available from 1936, 1949, 1954, 1961, 1964, 1976 1979, 1982, 1986, 1993, 1997, 2007, 2010 and 2017. The scale, resolution, and/or quality of the aerial photographs limited our ability to discern specific Subject Property and vicinity features relative to historical uses.

The 1936 through 1954 aerial photographs depicted the Subject Property and the adjacent properties to the south, east, and west as undeveloped land and as part of a wash. The adjacent properties to the north appeared to be agricultural cropland.

The 1961 through 1986 aerial photographs depicted the Subject Property and the adjacent properties to be agricultural cropland. The property to the northeast across the intersection of Baseline Road and South 59th Avenue appeared to be occupied by a small dairy farm.

The 1993 aerial photograph depicted the Subject Property and adjacent properties to be similar to the previous aerial photograph, except the property to the northeast was vacant and graded for redevelopment.

The 1997 aerial photograph depicted the Subject Property and adjacent properties to be similar to the previous aerial photograph, except the property to the northeast was redeveloped as a golf course/driving range.

The 2007-2017 aerial photographs depicted the Subject Property and the adjacent properties as similar to the previous aerial photograph, except the property to the northeast (driving range) appeared to have gone fallow with the golf course remaining further northeast. A new alignment for South 59 Avenue and a new stormwater conveyance were constructed to the east and south.

Copies of the aerial photographs are included in Appendix F.

4.3.4 Historical Topographic Maps

Historical Topographic Maps were obtained for the vicinity of the Subject Property from EDR for the years 1912, 1914, 1952, 1967, 1973, 1982 and 2014.

The 1912 through 1952 topographic maps depicted the Subject Property as undeveloped land with an elevation in the area of 1,000 feet.

The 1967 through 1982 topographic maps depicted the Subject Property and the adjacent properties as undeveloped. The property to the northeast appeared to be developed with four small buildings spread across the property.

The 2014 topographic map did not include land use information, but indicated a new alignment for South 59th Avenue to the southeast.

Copies of the topographic maps are attached as Appendix G.

4.3.5 Fire Insurance Maps

CEC engaged EDR to search their library for Sanborn Fire Insurance Maps available for the Subject Property. According to EDR, no Sanborn maps were found for the vicinity of the Subject Property. A letter from EDR indicating the lack of coverage is attached as Appendix H.

4.3.6 Local Street Directories

CEC contracted with EDR to prepare a street directory abstract for the Subject Property and surrounding addresses. EDR's City Directory Abstract indicated that street directories were

available for the Subject Property for the years 1967 through 2014. In accordance with the Standard, the directories were reviewed in 5 year intervals, unless otherwise stated in this Section.

The Subject Property does not have a physical address; therefore; no listings were available for the Subject Property between 1967 and 2014.

Further review of the abstract shows that properties in the vicinity were primarily occupied by residential homes since 1967 and a golf course to the east since at least 1995.

The City Directory Abstract is attached as Appendix I.

4.3.7 Previous Reports

CEC was not provided with previous environmental reports pertaining to the Subject Property.

4.4 HISTORICAL USE SUMMARY

4.4.1 Summary of the Historical Use of the Subject Property

The Subject Property was undeveloped until approximately 1961, when it was cultivated as agricultural cropland. The Subject Property has been used to grow various crops since that time.

4.4.2 Summary of the Historical Use of the Adjacent Properties

The surrounding properties consisted of undeveloped and agricultural cropland land from at least 1936 through the present, except the property to the northeast, which was used as a small dairy farm from the mid-1950s through the 1980s, before it was redeveloped as a golf course/driving range.

5.0 SUBJECT PROPERTY RECONNAISSANCE

5.1 METHODOLOGY AND LIMITING CONDITIONS

On July 6, 2018, Ryan Dunning, an EP with CEC, performed a reconnaissance to visually and physically observe the Subject Property and the immediate vicinity for potential evidence and/or practices that could represent RECs. Mr. Dunning was not accompanied by an owner's representative during the reconnaissance.

At the time of the reconnaissance, the visibility at the Subject Property was good and weather conditions did not interfere with the observations. The following methodology was used when performing the reconnaissance:

- Observed the Subject Property by traversing the grounds in a random pattern and traveling the perimeter.

- Observed land use and types of operations of the immediate adjacent properties from the Subject Properties and public areas.

A Subject Property Location Map and Subject Property Diagram are attached as Figures No. 1 and 2, respectively. Photographs are attached as Appendix B.

5.2 GENERAL SUBJECT PROPERTY SETTING

The Subject Property is comprised of an irregularly-shaped swath of vacant agricultural land encompassing an approximately 750' x 30'-60' area adjoining the south side of Baseline Road. The southern half of the Subject Property consists of a corn field and northern half consists of grassy drainage feature along Baseline Road. Old South 59th Avenue traverses the Subject Property from north to south on the eastern half and consists of an improved gravel roadway.

5.3 SUBJECT PROPERTY WIDE OBSERVATIONS

The following conditions were specifically assessed for their potential to indicate RECs and may include conditions inside or outside structures on the Subject Property.

5.3.1 Hazardous Substances and Petroleum Products

The southern portion of the Subject Property is used to grow crops (corn at the time of the site reconnaissance), which likely involves the occasional application of fertilizers and/or pesticides.

CEC did not observe other operations that use, treat, store, dispose of, or generate hazardous substances or petroleum products on the Subject Property.

5.3.2 Storage Tanks

The Subject Property was observed for the presence of storage tanks. No obvious visual evidence indicating the current presence of storage tanks were noted.

5.3.2.1 Underground Storage Tanks (USTs)

The Subject Property was observed for the presence of USTs. No obvious visual evidence indicating the current presence of USTs (i.e. vent pipes, fill ports, etc.) was noted.

5.3.2.2 Aboveground Storage Tanks (ASTs)

The Subject Property was observed for the presence of ASTs. No ASTs were noted, nor was obvious visual evidence indicating the historical presence of AST (i.e. secondary containments, concrete saddles, etc.).

5.3.3 Odors

Obvious strong, pungent, or noxious odors were not noted during the reconnaissance.

5.3.4 Pools of Liquid

Pools or sumps of liquid were not observed during the reconnaissance.

5.3.5 Drums and Containers

CEC did not observe storage containers on the Subject Property.

5.3.6 Unidentified Substance Containers

CEC did not observe open or damaged containers containing unidentified substances at the Subject Property.

5.3.7 Suspect Polychlorinated Biphenyl (PCB) Containing Equipment

The Subject Property and immediate vicinity were viewed for the presence of potential PCB containing equipment, such as electrical transformers, capacitors, and hydraulic equipment.

5.3.7.1 Transformers

During the reconnaissance, a pad-mounted transformer was observed near the far eastern edge of the Subject Property. Visual evidence of stains, leaks or spills was not observed on or adjacent to the transformer. CEC did not observe labeling indicating the ownership or PCB-content of the transformer.

5.3.7.2 Other Potential PCB-Containing Equipment

CEC did not observe other major classes of equipment suspected of containing PCBs on the Subject Property.

5.4 INTERIOR OBSERVATIONS

The Subject Property is vacant agricultural land with no structures.

5.5 EXTERIOR OBSERVATIONS

The following exterior conditions at the Subject Property were specifically assessed for their potential to indicate RECs.

5.5.1 Pits, Ponds, Lagoons, and Surface Waters

CEC did not identify pits, ponds, lagoons or surface waters within the Subject Property boundaries.

5.5.2 Stained Surfaces and Distressed Vegetation

CEC did not encounter visual evidence of stressed vegetation or stains on soil or pavement at the Subject Property.

5.5.3 Solid Waste

CEC did not observe obvious visual evidence indicating filling or dumping of trash, construction debris, or demolition debris on the Subject Property.

5.5.4 Waste Water

CEC did not observe obvious surficial evidence indicating the current or historical presence of septic systems, cesspools, or wastewater discharges on or adjacent to the Subject Property.

5.5.5 Storm Water

CEC observed a shallow drainage swale running east to west from Old South 59th Avenue to the western property boundary along the northern portion of the Subject Property. The swale was dry at the time of the site reconnaissance and no obvious visual evidence of spills or staining was observed in its vicinity.

5.5.6 Wells

Surficial evidence of water supply wells, dry wells, or other wells was not observed at the Subject Property by CEC.

5.6 ADJACENT PROPERTY OBSERVATIONS

To the extent that they were visibly and/or physically observable, CEC viewed each adjacent property from the Subject Property and adjacent public areas to evaluate the apparent land use for the potential to indicate RECs in connection with the Subject Property. CEC's observations are summarized as follows:

- **North**: Baseline Road with a large hay field beyond.
- **East:** South 59th Avenue with vacant property beyond.
- **South:** Large corn field.
- **West:** Loop 202 construction.

A Subject Property Location Map and Subject Property Diagram are attached as Figures No. 1 and 2, respectively. Photographs are attached as Appendix B.

6.0 INTERVIEWS

CEC interviewed various individuals familiar with the Subject Property, as identified to us, and/or government officials in order to evaluate historical uses and identify potential RECs. The individuals interviewed were asked to provide responses in good faith and to the best of their knowledge. The following sections identify the individuals interviewed and summarize the information each provided; however, additional information provided by these individuals may be presented in other sections of this report.

6.1 CURRENT OWNER

CEC interviewed Brad Anderson, the Subject Property owner, on September 10, 2018 via telephone. Mr. Anderson stated that Laveen Baseline LLC has owned the Subject Property for at approximately nine years. He indicated that the property has never been developed and has always been used to grow crops. Mr. Anderson was not aware of any environmental concerns at or surrounding the Subject Property. Mr. Anderson also completed City of Phoenix Dedication Application, which indicated the previous owner of the Subject Property was John Paye, whom also used the land to grow crops. A copy of the Dedication Application is included in Appendix E.

6.2 CURRENT MANAGER

Mr. Anderson, interviewed in Section 6.1, also manages the Subject Property.

6.3 CURRENT OCCUPANTS

CEC interviewed Mr. Steve Williams of Carver Mountain Enterprises, the farm lessee of the Subject Property. Mr. Williams indicated that he has farmed the Subject Property for at least 15 years and has grown cotton, alfalfa, and corn. He indicated that the property has never been developed and has always been used to grow crops since at least the early 1960s. Mr. Williams indicated that he has rarely had to use pesticides and on the crops over the years and he does his best to use as little as possible when necessary. He contracts with Crop Production Services, Inc. out of Coolidge, Arizona to apply his pesticides when necessary, which is always done in accordance with the instructions on the label for each pesticide. Mr. Williams was not aware of any environmental concerns at or surrounding the Subject Property.

6.4 GOVERNMENT OFFICIALS

Government officials were not interviewed as part of this Phase I ESA.

6.5 OTHER INTERVIEWS

CEC attempted to contact the previous owner of the Subject Property (prior to 2009), Mr. John Paye; however, Mr. Paye is no longer available at the phone numbers or address provided.

No other parties were interviewed as part of this Phase I ESA.

7.0 EVALUATION

7.1 FINDINGS

Based upon the information gathered as part of this Phase I ESA, the following is a summary of CEC's findings:

- The 0.7-acre Subject Property was undeveloped until approximately 1961, when it was cultivated as agricultural cropland. The Subject Property has been used to grow various crops since that time.

- The Subject Property was not listed on selected reviewed regulatory agency database lists.

- The surrounding properties consisted of undeveloped and agricultural cropland land from at least 1936 through the present, except the property to the northeast, which was used as a small dairy farm from the mid-1950s through the 1980s, before it was redeveloped as a golf course/driving range.

- One property was listed on the reviewed regulatory agency database lists within the ASTM-specified search radii of the Subject Property. Michael Moss Contracting Inc at 7221 S 61st Drive (approximately 1,300 feet northwest and hydraulically down-gradient of Subject Property) was listed as having a UST that was permanently closed and removed in 1993. No releases were reported.

7.2 OPINIONS

Based on the findings of this ESA, CEC offers the following opinions relative to the potential for environmental impact on the Subject Property by the conditions identified:

- Based on the benign nature of the activities conducted and the lack of evidence indicative of likely storage, mixing facilities, spills, or releases of pesticides or fertilizers, the historical use of the Subject Property as agricultural cropland since at least 1961 does not indicate a REC. Although fertilizers and pesticides were likely used to facilitate high quality crop production on the Subject Property over the years, their application and subsequent presence in the environment does not constitute a release of a hazardous substance when those materials were "…applied in accordance with the labeling

requirements established for that pesticide product at the place where the pesticide product was to be applied," per CERCLA.

- Based on the benign nature of the activities conducted and the lack of regulatory listings or reported releases, the current and historical uses of the adjacent properties do not indicate RECs in connection with the Subject Property.

- Based on its regulatory status, distance from the Subject Property, and/or its hydrogeologic relationship, it is CEC's opinion that the single facility listed in the Radius Map Report has a low potential for environmental impact to the Subject Property and does not indicate a REC in connection with the Subject Property.

7.3 SIGNIFICANT DATA GAPS

Due to its historically undeveloped nature and its lack of a physical address, Fire Department and Building Department Records could not be searched for the Subject Property. Additionally, an interview with the previous owner of the Subject Property prior to 2009 was not plausible. However, based on the quality of information obtained from several other sources, these data gaps are not considered significant.

During the course of this ESA, CEC did not identify significant data gaps in the information collected that would affect our ability to provide an opinion as to whether the ESA has identified conditions indicative of releases or threatened releases on, at, in, or to the Subject Property.

7.4 CONCLUSIONS

CEC has performed a Phase I ESA in conformance with the scope and limitations of ASTM Practice E 1527-13 for the Subject Property. Any exception to, or deletions from, this practice are described in Sections 1.4 and 8.0 of this report. The ESA has revealed no RECs in connection with the Subject Property.

8.0 DEVIATIONS

CEC has performed this Phase I ESA in general conformance with the scope and limitations of the Standard with no identified deletions and no additions, except as described in Section 9.0.

9.0 ADDITIONAL SERVICES

Laveen Baseline LLC did not request the performance of additional services as part of this Phase I ESA.

10.0 REFERENCES

- **Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*;*** ASTM; 2013
- ***CEC's Proposal for Phase I Environmental Site Assessment;*** May 8, 2018
- ***"Fowler, AZ" 7.5 Minute Topographic Quadrangle Map;*** United States Geological Survey, 2014
- ***Geological Map of Arizona;*** AZDEQ Geologic Survey Division, 2013
- ***Hydrologic map Series Report No. 35***, Arizona Department of Water Resources, 2003
- ***The EDR Radius Map Report;*** Environmental Data Resources, Inc.; July 2, 2018
- ***The EDR Aerial Photo Decade Package;*** Environmental Data Resources, Inc., July 2, 2018; Aerial Photos from 1936, 1949, 1954, 1961, 1964, 1976 1979, 1982, 1986, 1993, 1997, 2007, 2010 and 2017
- ***The EDR Historical Topographic Map Report;*** Environmental Data Resources, Inc., July 2, 2018; Topographic Maps from 1912, 1914, 1952, 1967, 1973, 1982 and 2014
- ***The EDR Certified Sanborn® Map Report;*** Environmental Data Resources, Inc., July 2, 2108
- ***The EDR City Directory Abstract;*** Environmental Data Resources, Inc., July 3, 2018

11.0 QUALIFICATIONS AND SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

This report was prepared by Ryan Dunning and reviewed by Rob Livermore, both EPs with CEC. Their qualifications are attached as Appendix J.

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

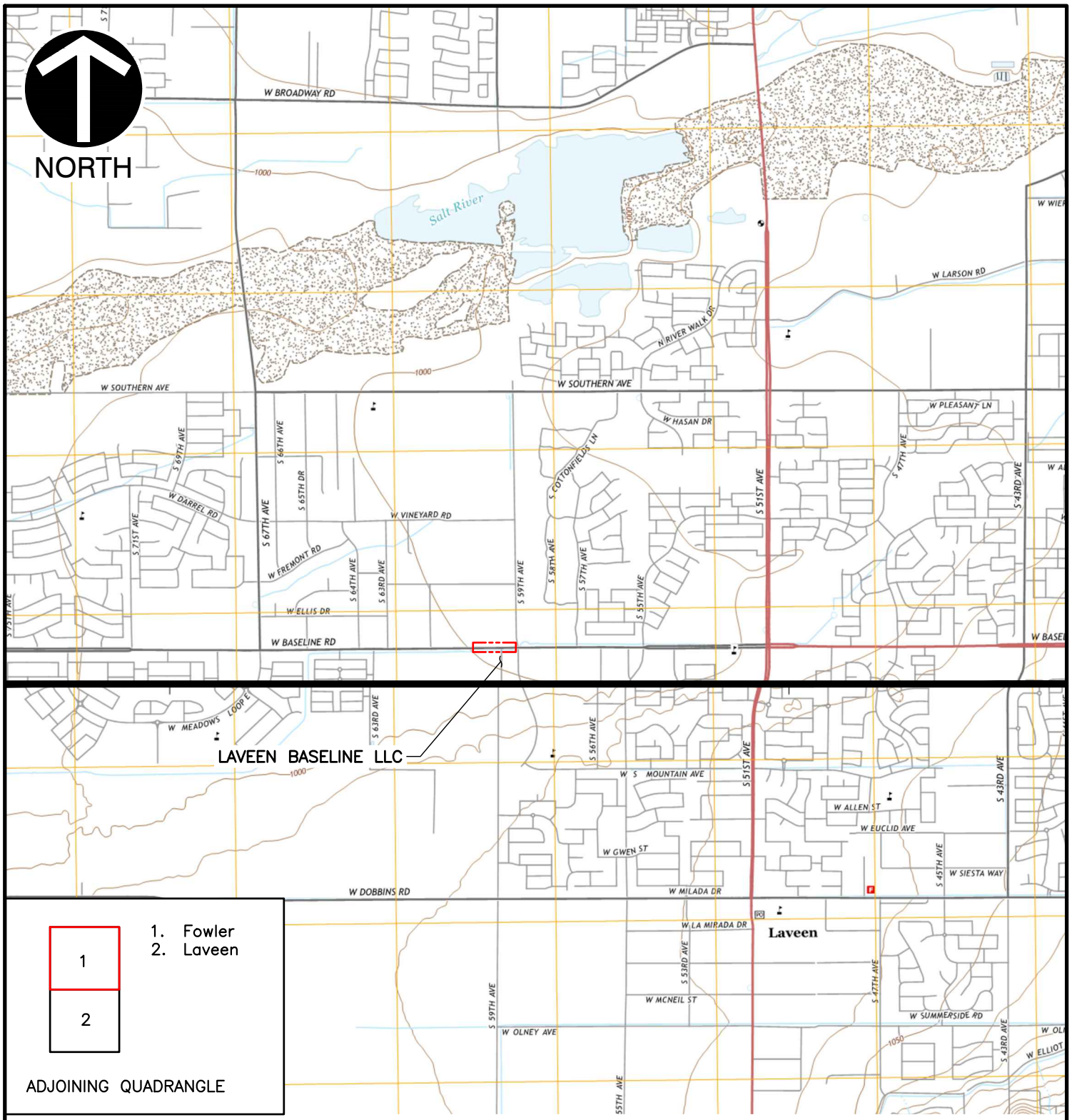
Prepared by:

Ryan D. Dunning
Principal

Reviewed by:

Robert S. Livermore
Principal

FIGURES



REFERENCE

1. U.S.G.S. 7.5' TOPOGRAPHIC MAP, FOWLER QUADRANGLE, AZ DATED: 2014.
2. U.S.G.S. 7.5' TOPOGRAPHIC MAP, LAVEEN QUADRANGLE, AZ DATED: 2014.

LEGEND

APPROXIMATE AREA OF PHASE 1

Civil & Environmental Consultants, Inc.
11811 N. Tatum Blvd., Suite 3057 - Phoenix, AZ 85028
Ph: 602.760.2324 · 877.231.2324 · Fax: 602.760.2330
www.cecinc.com

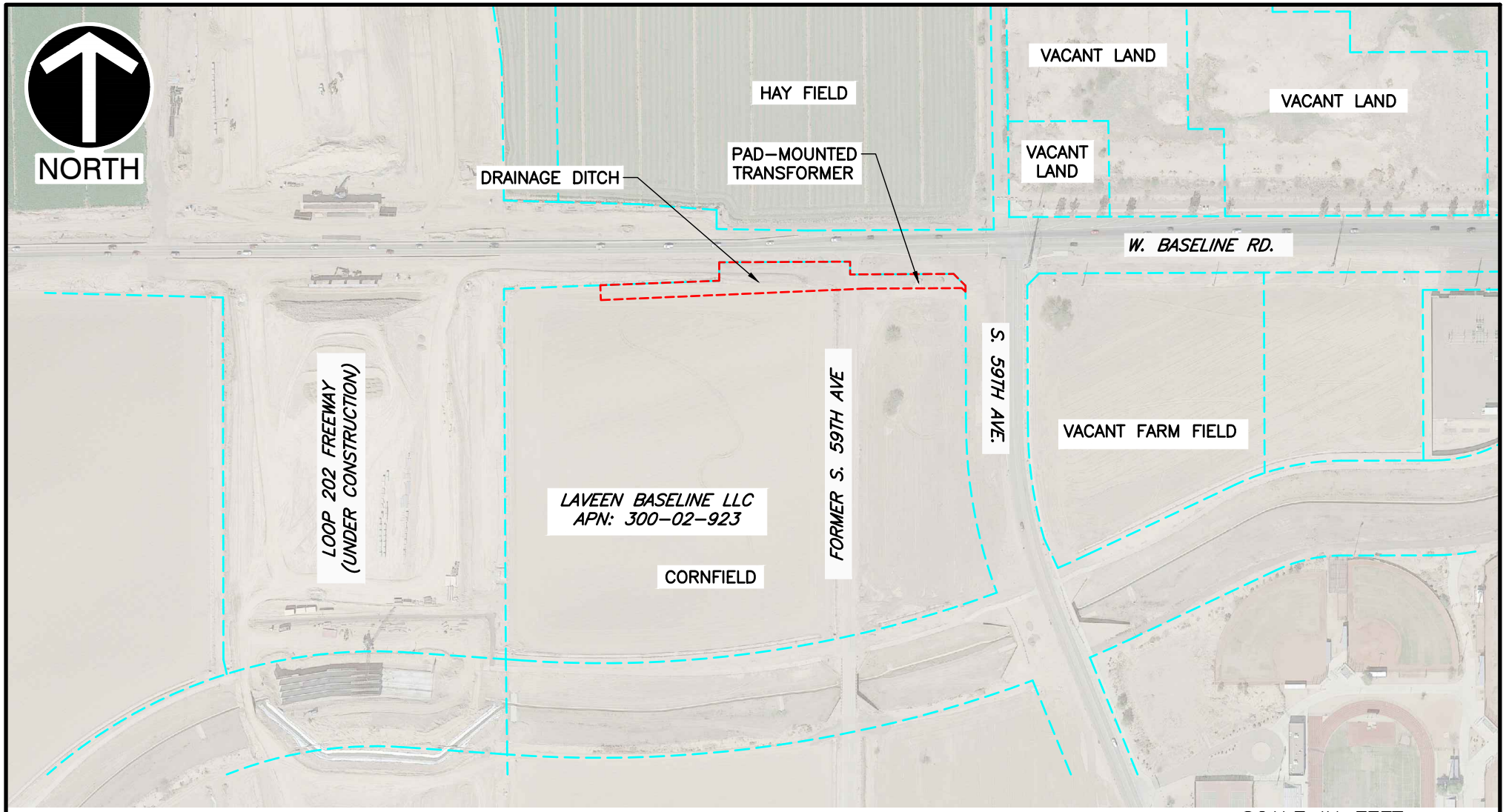
BASELINE ROAD SOUTHWEST
59TH AVE & BASELINE RD
LAVEEN, AZ 85339

SITE TOPOGRAPHIC MAP

DRAWN BY:	JMB	CHECKED BY:	RD	APPROVED BY:	RD	FIGURE NO.:	1
DATE:	JULY 2018	DWG SCALE:	NTS	PROJECT NO:	182-001		

P:\2018\182-001\-CADD\Dwg\Phase I Figures\182-001-FIG1-FIG2-FIG3-BASELINE-WEST.dwg{TOPO-SOUTHWEST} LS:(7/17/2018 - jbates) - LP: 7/17/2018 11:47 AM

P:\2018\182-001\-CADD\Dwg\Phase I Figures\182-001-FIG1-FIG2-FIG3-BASELINE-WEST.dwg{DIAGRAM-SOUTHWEST} LS:(8/2/2018 - jbates) - LP: 8/2/2018 10:49 AM



LEGEND

- APPROXIMATE AREA OF SUBJECT PROPERTY
- APPROXIMATE PARCEL BOUNDARY

REFERENCE

1. AERIAL IMAGE COURTESY GOOGLE INC, DATED: 02/2018.

SCALE IN FEET

0 300 600

Civil & Environmental Consultants, Inc.
11811 N. Tatum Blvd., Suite 3057 - Phoenix, AZ 85028
Ph: 602.760.2324 · 877.231.2324 · Fax: 602.760.2330
www.cecinc.com

BASELINE ROAD SOUTHWEST
59TH AVE & BASELINE RD
LAVEEN, AZ 85339

SITE DIAGRAM

DRAWN BY:	JMB	CHECKED BY:	RD	APPROVED BY:	RD	FIGURE NO.:	2
DATE:	JULY 2018	DWG SCALE:	1"=300'	PROJECT NO:	182-001		

APPENDIX A

LEGAL DESCRIPTION AND ASSESSING INFORMATION

300-02-923 Land Parcel

This is a land parcel and the current owner is LAVEEN BASELINE LLC.

Property Information

MCR #	
Description:	LOTS 1 & 2 & S2 NE4 SEC 6 EX N & E 33F RDS & EX ANY PT LY WI/IN & SLY OF FOL DESC COM N4 COR SEC 6 TH S 1731.02F POB TH N 200.25F TO PT ON CUR CONC TO NW TH NELY ALG SD CUR 967.48F N 47D 45M E 77.77F TH 849.03F ALG TAN CUR TO RT RAD 1050F TH S 85D 54M E 237.08F TH 692.20F ALG TAN CUR TO LFT RAD 2400F TH S 204.66F TO CUR RAD BEARS N 11D 26M W 2600F TH WLY 704.71F TH N 85D 54M W 237.08F TH 687.31F ALG TAN CUR LFT RAD 850F TH S 47D 45M W 77.77F TH 1116.33F ALG TAN CUR RT RAD 1600F TO POB P/F 03-0869416 & EX ANY POR LY WI/IN & WLY FOL DESC LN 1 & 2, LINE 1: COM E4 COR SD SEC 6 TH W 688.97F POB TH N 17D 13M E 275.63F TH N 1310.17F TH N 29D W 241.41F TH N 778.90F TH N 87D 53M E 279.96F TH N 87D 53M E 170F TH N 39F TH E 192.45F TH N 33F TO POE LINE 2: COM AT CTR COR SEC 6 TH E 1160.71F POB TH N 09D 48M E 4.44F TH N 20D 26M E 731.37F TH N 06D 56M W 1875.42F TH N 88D 21M W 236.06F TH N 88D 21M W 76F TH N 85D 45M W 90.27F TH N 81F TO POE P/F 16-0100448 TOG-WI RD ABAN ADJ TO PAR AND DAF W 33F TH PT FORMER 59TH AVE ROW WI-IN W2 SEC 5 & E2 SEC 6 BND N BY SLY ROW OF BASELINE RD & S BY NWLY NEW ROW LN OF NEW 59TH AVE P/F 17-0693140
Lat/Long	
Lot Size	581,281 sq ft.
Zoning	RE-43
Lot #	
High School District	PHOENIX UNION #210
Elementary School District	LAVEEN ELEMENTARY SCHOOL DISTRICT
Local Jurisdiction	PHOENIX
S/T/R	6 1S 2E
Market Area/Neighborhood	/
Subdivision (0 Parcels)	

Owner Information

LAVEEN BASELINE LLC

Mailing Address	1707 E HIGHLAND AVESTE 100, PHOENIX, AZ 85016
Deed Number	110766241
Last Deed Date	09/14/2011
Sale Date	n/a
Sale Price	n/a

Valuation Information

We provide valuation information for the past 5 years. For mobile display, we only show 1 year of valuation information. Should you need more data, please look at our data sales.
The Valuation Information displayed below may not reflect the taxable value used on the tax bill due to any special valuation relief program. **CLICK HERE TO PAY YOUR TAXES OR VIEW YOUR TAX BILL**

This parcel has a pending 2019 Notice of Change. For properties with new construction, additions, deletions, splits, consolidations of assessment parcels or changes in property use, the Assessor will notify the owner of any change in valuation/classification by September 30th via U.S. Postal mail.

Tax Year	**2019**
Full Cash Value	n/a
Limited Property Value	n/a
Legal Class	2
Description	AG / VACANT LAND / NON-PROFIT R/P
Assessment Ratio	0%
Assessed FCV	n/a
Assessed LPV	n/a
Property Use Code	0012
PU Description	Vacant Residential Land
Tax Area Code	591300
Valuation Source	Notice

Similar Parcels

Parcels that are similar to this one (known as the reference parcel) are displayed below.

APN Address Sale Info FCV Size Livable Sq Ft Year Built Pool Foreclosed

No similar parcels found.

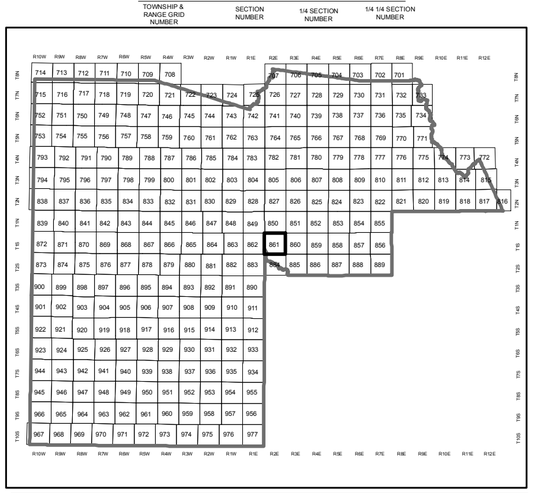
MARICOPA COUNTY

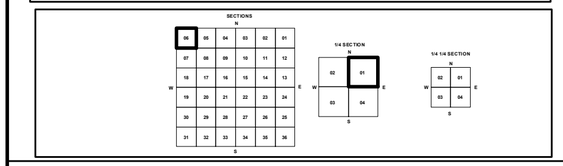
STATE OF ARIZONA

PT. SECTION 6 T01S R02E

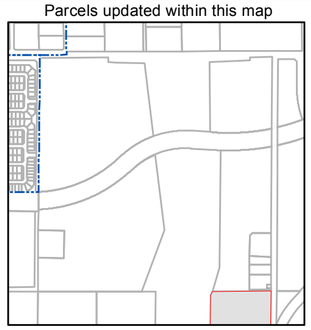
861 - 06 - 01 - 00

TOWNSHIP & RANGE GRID NUMBER | SECTION NUMBER | 1/4 SECTION NUMBER | 1/4 1/4 SECTION NUMBER





Parcels updated within this map



0 95 190 380 570 760 Feet

N

MARICOPA COUNTY
ASSESSOR'S OFFICE
301 W. Jefferson Street
Phoenix, AZ 85003
Date: 8/31/2016
http://mcassessor.maricopa.gov/assessor/

LEGEND: Parcels | Sections | Centerlines | Subdivisions | Section Corners

Disclaimer - Indemnification

CAUTION! USERS SHOULD INDEPENDENTLY RESEARCH AND VERIFY INFORMATION WITHIN THIS DATASET OR MAP BEFORE RELYING ON IT.

The Assessor's Office has compiled information within this dataset or map that it uses to identify, classify, and value real and personal property. Please contact the Assessor's Office at 602 506-3406 if you believe any information is incomplete, out-of date, or incorrect so that appropriate corrections can be addressed. Please note that a statutory process is also available to correct errors pursuant to Arizona Revised Statutes 42-16254.

The Assessor does not guarantee that any information contained within this dataset or map is accurate, complete or current. In many instances, the Assessor has gathered information from independent sources and made it available within this dataset or map, and the original information may have contained errors and omissions. Errors and omissions may have occurred in the process of gathering, interpreting, and reporting the information. Information within this dataset or map is not updated "real time." In addition, Users are cautioned that the process used within this dataset or map to illustrate the boundaries of adjacent parcels is not always consistent with the recorded documents for such parcels. The parcel boundaries depicted within this dataset or maps are for illustrative purposes only, and the exact relationship of adjacent parcels should be independently researched and verified. The information provided within this dataset or map is not the equivalent of a title report or a real estate survey. Users should independently research, investigate, and verify all information before relying on it or using it in the preparation of legal documents.

RANCHO GRANDE DOS MCR: 153-16, SUB

AVALON VLG. MCR: 704-30, 2006 SUB

W BASELINE RD

S 64TH AVE

S 63RD AVE

S 61ST DR

S 59TH AVE

S 59TH DR

LAVEEN CHANNEL

T01S R02E Sec 6

T01S R02E Sec 5

104-85-041 | 104-85-014A | 104-85-015 | 104-85-004A | 104-85-005A | 104-85-004B | 104-85-016

104-86-001H | 104-86-001J | 104-86-001D | 104-86-001P | 104-86-001S | 104-86-001T | 104-86-001B | 104-86-002H

300-13-582 | 300-13-581 | 300-13-608 | 300-13-607 | 300-13-583 | 300-13-584 | 300-13-324 | 300-13-340 | 300-13-529

300-02-017R | 300-02-017Q | 300-02-001P | 300-02-001S | 300-02-017M | 300-02-017S | 300-02-001Q | 300-02-024C | 300-02-025B | 300-02-017C | 300-02-017T | 300-02-017K | 300-02-017L | 300-02-017H | 300-02-017J | 300-02-017D | 300-02-012B | 300-02-012C | 300-02-027 | 300-02-021G | 300-02-021F | 300-02-023E

658.09' | 658.09'

300-02-001U Land Parcel

This is a land parcel located at 5875 W BASELINE RD LAVEEN 85339. and the current owner is LAVEEN BASELINE LLC.

Property Information

5875 W BASELINE RD LAVEEN 85339

MCR #	
Description:	TH PT PROP DESC IN PARCEL 2 P/F 04-1297978 LY WI/IN NW4 SEC 5 EX ANY PT LY WI-IN PUHSD #210 COMPRHENSIVE HIGH SCHOOL MOD MCR 846-05 & EX W 33F RD TOG-WI RD ABAN ADJ TO PAR AND DAF W 33F TH PT FORMER 59TH AVE ROW WI-IN W2 SEC 5 & E2 SEC 6 BND N BY SLY ROW OF BASELINE RD & S BY NWLY NEW ROW LN OF NEW 59TH AVE P/F 17-0693140
Lat/Long	33.37744155 | -112.18576300
Lot Size	187,320 sq ft.
Zoning	S-1
Lot #	
High School District	PHOENIX UNION #210
Elementary School District	LAVEEN ELEMENTARY SCHOOL DISTRICT
Local Jurisdiction	PHOENIX
S/T/R	5 1S 2E
Market Area/Neighborhood	/
Subdivision (0 Parcels)	

Owner Information

LAVEEN BASELINE LLC

Mailing Address	1707 E HIGHLAND AVESTE 100, PHOENIX, AZ 85016
Deed Number	110766241
Last Deed Date	09/14/2011
Sale Date	n/a
Sale Price	n/a

Valuation Information

We provide valuation information for the past 5 years. For mobile display, we only show 1 year of valuation information. Should you need more data, please look at our data sales.
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Tax Year	**2019**
Full Cash Value	n/a
Limited Property Value	n/a
Legal Class	2
Description	AG / VACANT LAND / NON-PROFIT R/P
Assessment Ratio	0%
Assessed FCV	n/a
Assessed LPV	n/a
Property Use Code	0014
PU Description	Vacant Residential Land
Tax Area Code	591300
Valuation Source	Notice

Similar Parcels

Parcels that are similar to this one (known as the reference parcel) are displayed below.

APN Address Sale Info FCV Size Livable Sq Ft Year Built Pool Foreclosed

No similar parcels found.

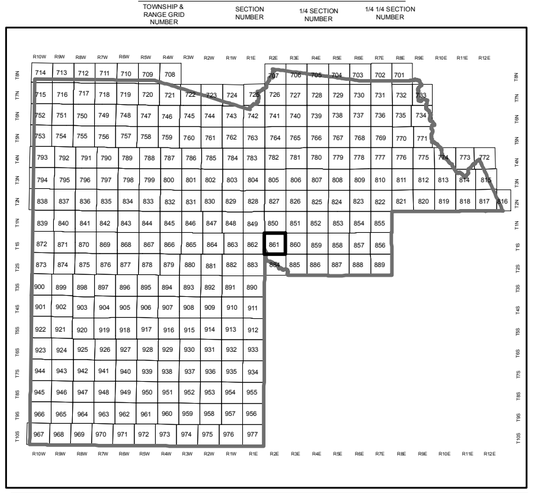
MARICOPA COUNTY

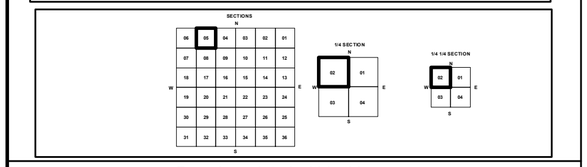
STATE OF ARIZONA

PT. SECTION 5 T01S R02E

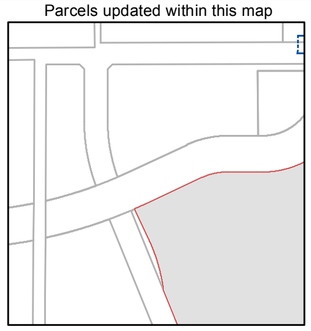
861 - 05 - 02 - 02

TOWNSHIP & RANGE GRID NUMBER | SECTION NUMBER | 1/4 SECTION NUMBER | 1/4 1/4 SECTION NUMBER





Parcels updated within this map



0 45 90 180 270 360 Feet

N

MARICOPA COUNTY
ASSESSOR'S OFFICE
301 W. Jefferson Street
Phoenix, AZ 85003
Date: 07/15/2015
http://mcassessor.maricopa.gov/assessor/

LEGEND: Parcels | Sections | Centerlines | Subdivisions | Section Corners

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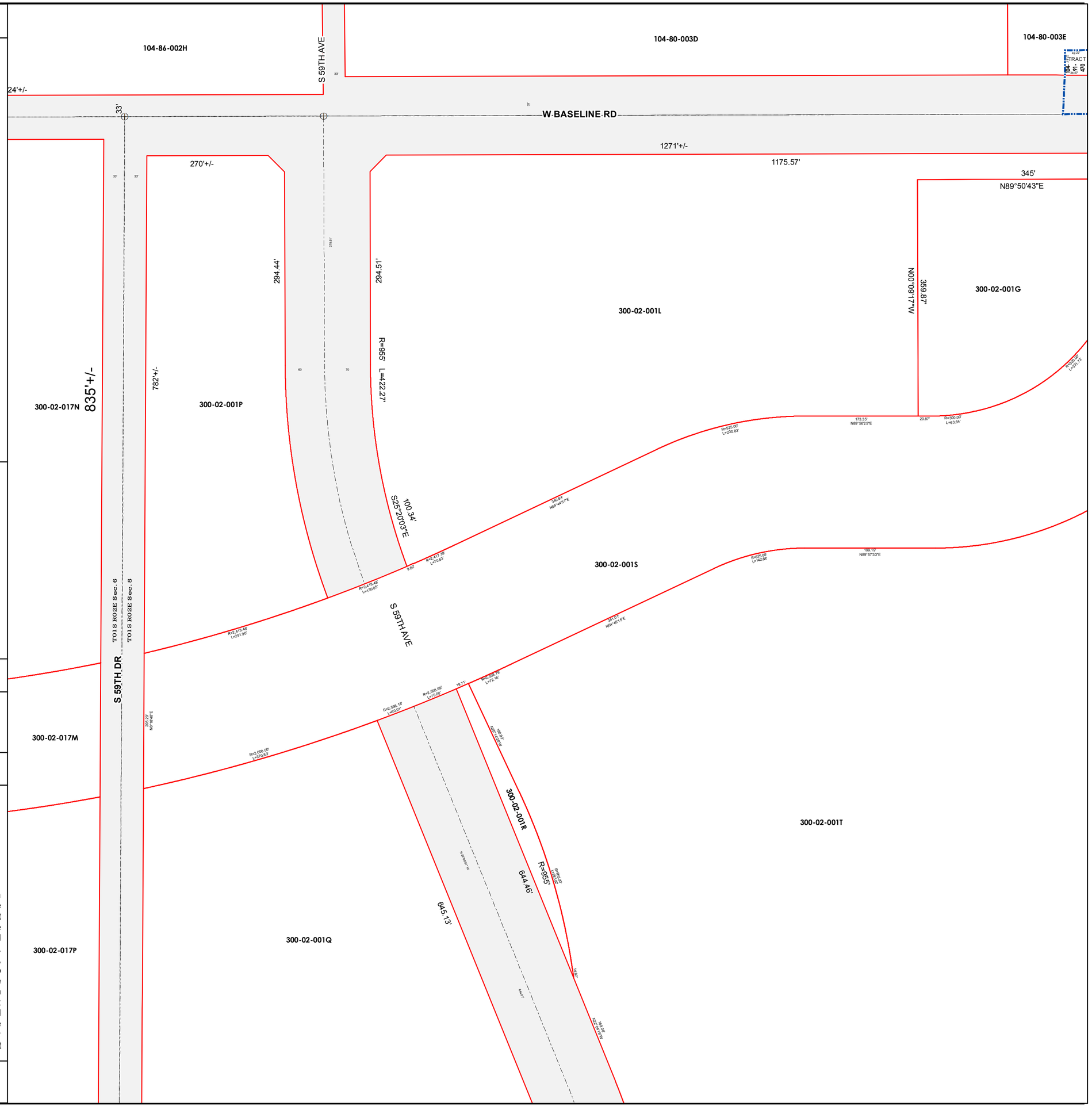

LEGAL DESCRIPTION
OF
RIGHT-OF-WAY TO BE DEDICATED
APN 300-02-923

THAT PORTION OF THE NORTHEAST QUARTER OF SECTION 6, TOWNSHIP 1 SOUTH, RANGE 2 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT AN ALUMINUM CAP MARKING THE NORTHEAST SECTION CORNER OF SECTION 6;

THENCE SOUTH 00 DEGREES 14 MINUTES 04 SECONDS WEST, ALONG THE EAST LINE OF SAID NORTHEAST QUARTER, A DISTANCE OF 33.00 FEET TO THE **POINT OF BEGINNING**;

THENCE CONTINUING SOUTH 00 DEGREES 14 MINUTES 04 SECONDS WEST, ALONG SAID WEST LINE, A DISTANCE OF 27.00 FEET;

THENCE SOUTH 89 DEGREES 42 MINUTES 58 SECONDS WEST, A DISTANCE OF 280.07 FEET;

THENCE NORTH 00 DEGREES 17 MINUTES 03 SECONDS WEST, A DISTANCE OF 27.00 FEET TO A POINT ON THE SOUTH RIGHT-OF-WAY LINE OF BASELINE ROAD;

THENCE NORTH 89 DEGREES 42 MINUTES 58 SECONDS EAST, ALONG SAID RIGHT-OF-WAY LINE, A DISTANCE OF 280.32 FEET TO THE **POINT OF BEGINNING**.

CONTAINING 7,565 SQUARE FEET OR 0.17 ACRES, MORE OR LESS.

PREPARED BY:

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
11811 N. TATUM BOULEVARD, SUITE 3057
PHOENIX, ARIZONA 85028

PROJECT NO: 182-001
AUGUST 9, 2018

LEGAL DESCRIPTION
OF
RIGHT-OF-WAY TO BE DEDICATED
APN 300-02-001U

THAT PORTION OF THE NORTHWEST QUARTER OF SECTION 5, TOWNSHIP 1 SOUTH, RANGE 2 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT AN ALUMINUM CAP MARKING THE NORTHWEST CORNER OF SAID SECTION 5;

THENCE NORTH 89 DEGREES 42 MINUTES 58 SECONDS EAST, ALONG THE NORTH LINE OF SAID NORTHWEST QUARTER, A DISTANCE OF 217.75 FEET;

THENCE SOUTH 00 DEGREES 17 MINUTES 02 SECONDS EAST, A DISTANCE OF 60.00 FEET TO A POINT ON THE SOUTHERLY RIGHT-OF-WAY LINE OF BASELINE ROAD, SAID POINT ALSO BEING THE **POINT OF BEGINNING**;

THENCE SOUTH 45 DEGREES 15 MINUTES 12 SECONDS EAST, A DISTANCE OF 35.34 FEET TO A POINT ON THE WESTERLY RIGHT-OF-WAY LINE OF 59TH AVENUE;

THENCE SOUTH 00 DEGREES 13 MINUTES 22 SECONDS EAST, ALONG SAID WESTERLY RIGHT-OF-WAY LINE, A DISTANCE OF 14.13 FEET;

THENCE NORTH 45 DEGREES 15 MINUTES 12 SECONDS WEST, A DISTANCE OF 55.32 FEET TO A POINT ON THE SOUTHERLY RIGHT-OF-WAY LINE OF BASELINE ROAD;

THENCE NORTH 89 DEGREES 42 MINUTES 58 SECONDS EAST, ALONG SAID SOUTHERLY RIGHT-OF-WAY LINE, A DISTANCE OF 14.13 FEET TO THE **POINT OF BEGINNING**.

CONTAINING 453 SQUARE FEET OR 0.01 ACRES, MORE OR LESS.

PREPARED BY:

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
11811 N. TATUM BOULEVARD, SUITE 3057
PHOENIX, ARIZONA 85028

PROJECT NO: 182-001
AUGUST 9, 2018

APPENDIX B

PHOTOGRAPHS

Photo Number: 1

Direction: West

Description:

View along the northern property boudary

Photo Number: 2

Direction: East

Description:

View along the northern property boundary

Civil & Environmental Consultants, Inc.

Phoenix, AZ 85028

Ph: 602-760-2324 Toll Free: 877-231-2324

www.cecinc.com

Baseline Rd. and S. 59th Ave. SW, Laveen AZ

Client Name:	Laveen Baseline LLC
Project Number:	182-001
Author:	Ryan Dunning
Photographs Taken on:	07/6/2018

Photo Number: 3

Direction: South

Description:

View of the pad-mounted transformer at the far east end of the Subject Property

Photo Number: 4

Direction: South

Description:

View across the Subject Property of the adjacent property to the south

Civil & Environmental Consultants, Inc.
Phoenix, AZ 85028
Ph: 602-760-2324 Toll Free: 877-231-2324
www.cecinc.com

Baseline Rd. and S. 59th Ave. SW, Laveen AZ

Client Name: Laveen Baseline LLC
Project Number: 182-001
Author: Ryan Dunning
Photographs Taken on: 07/6/2018

Photo Number: 5

Direction: South

Description:

View across the Subject Property along Old South 59th Avenue

Photo Number: 6

Direction: West

Description:

View of the adjacent Loop 202 construction to the west

Civil & Environmental Consultants, Inc.
Phoenix, AZ 85028
Ph: 602-760-2324 Toll Free: 877-231-2324
www.cecinc.com

Baseline Rd. and S. 59th Ave. SW, Laveen AZ

Client Name:	Laveen Baseline LLC
Project Number:	182-001
Author:	Ryan Dunning
Photographs Taken on:	07/6/2018

Photo Number: 7

Direction: North

Description:

View of the adjacent property to the north

Photo Number: 8

Direction: North

Description:

View of the Subject Property looking east across Old S. 59th Avenue

Civil & Environmental Consultants, Inc.
Phoenix, AZ 85028
Ph: 602-760-2324 Toll Free: 877-231-2324
www.cecinc.com

Baseline Rd. and S. 59th Ave. SW, Laveen AZ

Client Name: Laveen Baseline LLC
Project Number: 182-001
Author: Ryan Dunning
Photographs Taken on: 07/6/2018

Photo Number: 9

Direction: Southwest

Description:

View of the grassy drainage swale

Photo Number: 10

Direction: South

Description:

View across the Subject Property toward the adjacent property to the south

Civil & Environmental Consultants, Inc.

Phoenix, AZ 85028

Ph: 602-760-2324 Toll Free: 877-231-2324

www.cecinc.com

Baseline Rd. and S. 59th Ave. SW, Laveen AZ

Client Name:	Laveen Baseline LLC
Project Number:	182-001
Author:	Ryan Dunning
Photographs Taken on:	07/6/2018

APPENDIX C

USER PROVIDED INFORMATION

ASTM E 1527-13
USER QUESTIONNAIRE
Baseline Road Proposed Right-of-Way Southwest – Laveen Baseline, LLC
Northern Portion of Parcel ID 300-02-923
South 59th Avenue and Baseline Road, Laveen, Arizona
CEC Project No. 182-001

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 inquiries" is not complete.

(1) Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25).
Are you aware of any environmental liens against the property that are filed or recorded under federal, tribal, state, or local law?

(2) Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26).
Are you aware of any AULs, such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law?

(3) Specialized knowledge or experience of the person seeking to qualify for LLP (40 CFR 312.28).
As the user of this ESA do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

(4) Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29).
Does the purchase price being paid for this property reasonably reflect the fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

(5) Commonly known or reasonable ascertainable information about the property (40 CFR 312.30).
Are you aware of commonly known or reasonable ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,

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

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

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

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

(6) The degree of obviousness of the presence or likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).
As the user of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property?

(7) What is your intended use for the property?

The American Society for Testing and Materials (ASTM), Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process E 1527-13 (the "Standard") also requires that the following be asked of the "user."

Questions about Helpful Documents: Do you know whether any of the following documents exist? If so, identify the title of the report, when it was prepared, and by what firm, and/or provide a copy if within reasonable time and cost constraints. Note that even partial information may be useful.

- Previous environmental site assessment reports,
- Environmental compliance audit reports,
- Environmental permits (i.e., solid waste disposal permits, hazardous waste disposal permits, wastewater permits, NPDES permits, underground injection permits, etc.),
- Registrations for underground and above ground storage tanks,
- Registrations for underground injection systems,
- Material safety data sheets (MSDS),
- Community right-to-know plan (Sara Title III),
- Safety plans; preparedness and prevention plans; spill prevention, countermeasure, and control plans; etc.,

- Reports regarding hydrogeologic conditions on the property or surrounding area,

- Notices or other correspondence from any government agency relating to past or current violations of environmental laws with respect to the property or relating to environmental liens encumbering the property,

- Hazardous waste generator notices or reports,

- Geotechnical studies,

- Risk assessments, and

- Recorded activity use limitations (AULs).

Proceedings Involving the Property: Do you know of:

- any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the property;

- any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the property; and

- any notices from any governmental entity regarding any possible violation of environmental laws, environmental liens, or possible liability relating to hazardous substances or petroleum products.

Prepared by: _____ (Printed Name)

Signature: _____

Date: _____

Company: _____

Property Name and Location: Baseline Road Proposed Right-of-Way Southwest
Northern Portion of Parcel ID 300-02-923
South 59th Avenue and Baseline Road, Laveen, Arizona a

CEC Project No. 182-001

Please return this questionnaire as soon as possible to CEC, Attention Ryan Dunning, via fax at 602.760.2330 or e-mail at rdunning@cecinc.com. For questions call 602.760.2324.

---

*Landowner Liability Protections, or LLPs, is the term used to describe the three types of potential defenses to Superfund liability in EPA's *Interim Guidance Regarding Criteria Landowners Must Meet in Order to Qualify for Bona Fide Prospective Purchaser, Contiguous Property Owner, or Innocent Landowner Limitations on CERCLA Liability* ("*Common Elements*" Guide) issued on March 6, 2003.

APPENDIX D

EDR RADIUS MAP REPORT

Baseline Road West
5875 W Baseline Rd
Laveen, AZ 85339

Inquiry Number: 5349733.2s
July 02, 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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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

5875 W BASELINE RD
LAVEEN, AZ 85339

COORDINATES

Latitude (North):	33.3775050 - 33˚ 22' 39.01''
Longitude (West):	112.1865130 - 112˚ 11' 11.44''
Universal Tranverse Mercator:	Zone 12
UTM X (Meters):	389629.8
UTM Y (Meters):	3693574.8
Elevation:	1001 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	6718619 FOWLER, AZ
Version Date:	2014
South Map:	6718635 LAVEEN, AZ
Version Date:	2014

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150529
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
5875 W BASELINE RD
LAVEEN, AZ 85339

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	MICHAEL MOSS CONTRAC	7221 S 61ST DR	UST	Lower	1255, 0.238, NW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

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

Federal CERCLIS NFRAP site list

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

Federal RCRA CORRACTS facilities list

CORRACTS ..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

RCRA-LQG ..... RCRA - Large Quantity Generators
RCRA-SQG ..... RCRA - Small Quantity Generators
RCRA-CESQG ..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS ..... Land Use Control Information System
US ENG CONTROLS ..... Engineering Controls Sites List

EXECUTIVE SUMMARY

US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

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

State- and tribal - equivalent CERCLIS

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

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

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

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
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

EXECUTIVE SUMMARY

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

Local Lists of Hazardous waste / Contaminated Sites

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

Local Land Records

LIENS 2	CERCLA Lien Information

Records of Emergency Release Reports

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

Other Ascertainable Records

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

EXECUTIVE SUMMARY

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

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

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.

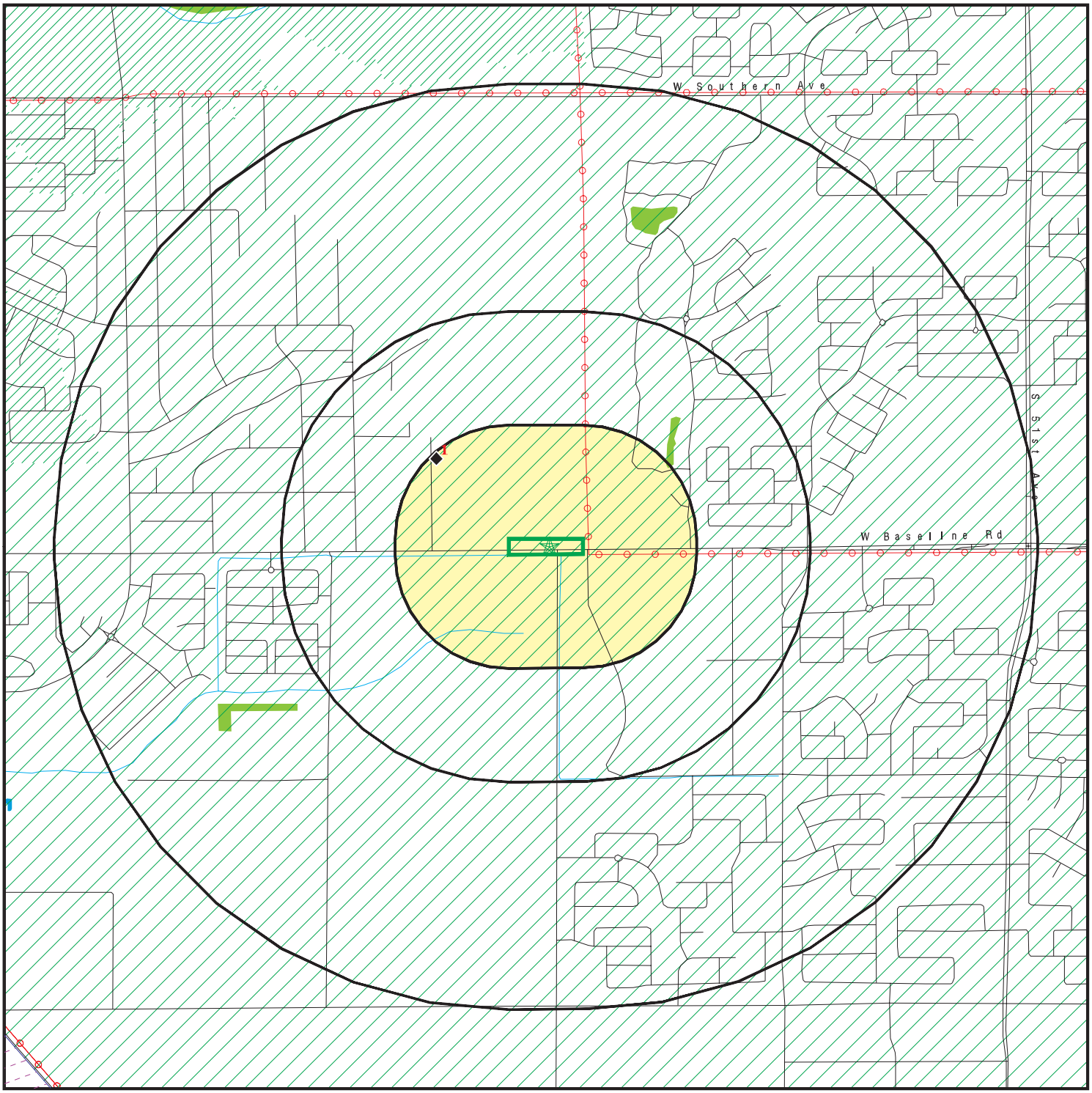
A review of the UST list, as provided by EDR, and dated 03/20/2018 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
MICHAEL MOSS CONTRAC Closure Type: Removal Facility Id: 0-006032 Date Closed: 12/01/1993	7221 S 61ST DR	NW 1/8 - 1/4 (0.238 mi.)	1	8

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 5349733.2S



0 1/4 1/2 1 Miles

- 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
- Indian Reservations BIA
- Power transmission lines
- 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: Baseline Road West	CLIENT: Civil & Env Consultants
ADDRESS: 5875 W Baseline Rd Laveen AZ 85339	CONTACT: Jared Bates INQUIRY #: 5349733.2s
LAT/LONG: 33.377505 / 112.186513	DATE: July 02, 2018 11:59 am

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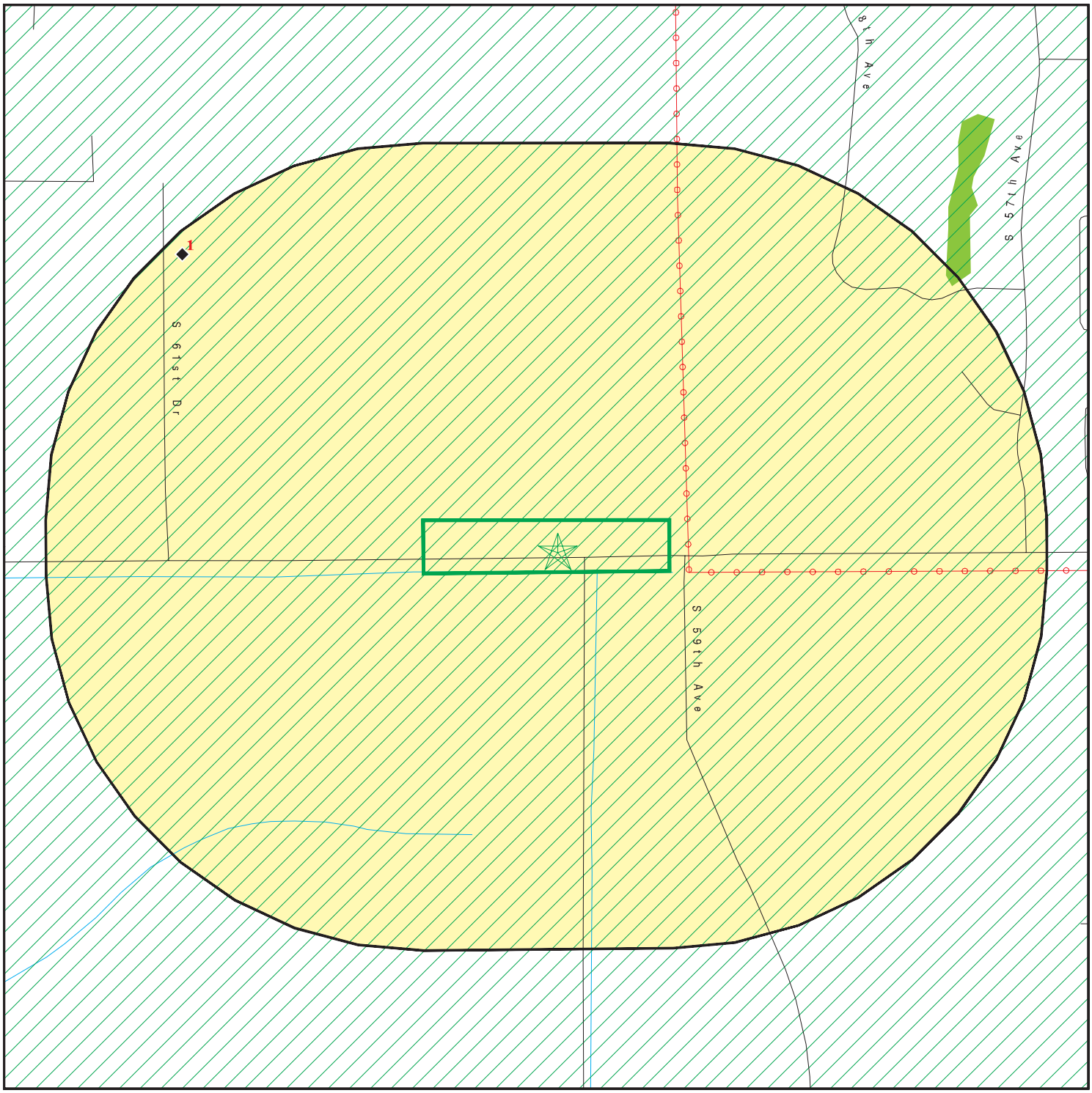
DETAIL MAP - 5349733.2S



0 1/16 1/8 1/4 Miles

- 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
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- DOD Sites: AZ DEQ
- Water Quality Assurance Revolving Fund Areas
- AZ NPL

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

SITE NAME: Baseline Road West	CLIENT: Civil & Env Consultants
ADDRESS: 5875 W Baseline Rd Laveen AZ 85339	CONTACT: Jared Bates INQUIRY #: 5349733.2s
LAT/LONG: 33.377505 / 112.186513	DATE: July 02, 2018 12:00 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	TP		NR	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		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
AZ NPL	1.000		0	0	0	0	NR	0
AZ WQARF	1.000		0	0	0	0	NR	0
State- and tribal - equivalent CERCLIS								
SPL	1.000		0	0	0	0	NR	0
SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	1	NR	NR	NR	1
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
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

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

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1 NW 1/8-1/4 0.238 mi. 1255 ft. | **MICHAEL MOSS CONTRACTING INC**
7221 S 61ST DR
PHOENIX, AZ 85339 | **UST** | **U001627796**
N/A

Relative: Lower

Actual: 1000 ft.

UST:

Facility ID:	0-006032
Owner:	MICHAEL MOSS CONTRACTING INC
Latitude:	33.379946
Longitude:	112.190709
Tank ID:	1
Date Closed:	12/01/1993
Tank Status:	**Perm Closure**
Closure Type:	**Removal**
Tank Inst Date:	**1983-04-29 00:00:00**
Capacity:	**1000**
Substance:	**Gasoline**
Compartment:	**COMPARTMENT A**
Tank Const Type:	**Unknown**
Tank Mtrl Type:	**Asphalt coated or Bare Steel**
Pipe Type:	**Suction - Check Valve at the Tank Top**
Pipe Mtrl Type:	**Not reported**
Pipe const Type:	**Not reported**

Count: 0 records.

ORPHAN SUMMARY

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 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: 05/30/2018
Next Scheduled EDR Contact: 07/16/2018
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: 05/30/2018
Next Scheduled EDR Contact: 07/16/2018
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	Source: EPA
Date Data Arrived at EDR: 05/30/2018	Telephone: N/A
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 05/30/2018
Number of Days to Update: 23	Next Scheduled EDR Contact: 07/16/2018
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/05/2017	Telephone: 703-603-8704
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 04/06/2018
Number of Days to Update: 92	Next Scheduled EDR Contact: 07/16/2018
	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	Source: EPA
Date Data Arrived at EDR: 05/30/2018	Telephone: 800-424-9346
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 05/30/2018
Number of Days to Update: 23	Next Scheduled EDR Contact: 07/30/2018
	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: 05/30/2018
Next Scheduled EDR Contact: 07/30/2018
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: 02/16/2018
Date Data Arrived at EDR: 02/22/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 78

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/09/2018
Next Scheduled EDR Contact: 08/27/2018
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: 05/29/2018
Next Scheduled EDR Contact: 09/10/2018
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: 05/29/2018
Next Scheduled EDR Contact: 09/10/2018
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: 05/16/2018
Next Scheduled EDR Contact: 09/03/2018
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: 05/16/2018
Next Scheduled EDR Contact: 09/03/2018
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: 04/25/2018
Next Scheduled EDR Contact: 08/13/2018
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: 05/08/2018
Next Scheduled EDR Contact: 09/10/2018
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: 04/13/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

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

Date of Government Version: 10/12/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

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

Date of Government Version: 10/12/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
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: 10/24/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
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: 01/06/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
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: 10/14/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/06/2018
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: 10/14/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
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: 10/16/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
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: 09/30/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
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: 04/13/2018
Next Scheduled EDR Contact: 07/23/2018
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: 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: 04/13/2018
Next Scheduled EDR Contact: 07/23/2018
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: 05/07/2018
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: 03/13/2018
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 Building & Fire Safety
Telephone: 602-364-1003
Last EDR Contact: 06/21/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: No Update Planned

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/14/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
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: 10/16/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
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: 10/14/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/06/2018
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: 10/12/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
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: 01/13/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
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: 04/24/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 134

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
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: 10/24/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
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: 03/08/2018
Date Data Arrived at EDR: 03/13/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 21

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: 03/08/2018
Date Data Arrived at EDR: 03/13/2018
Date Made Active in Reports: 04/03/2018
Number of Days to Update: 21

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: 04/02/2018
Next Scheduled EDR Contact: 07/16/2018
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: 04/02/2018
Next Scheduled EDR Contact: 07/16/2018
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: 05/22/2018
Next Scheduled EDR Contact: 09/10/2018
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: 01/30/2018
Next Scheduled EDR Contact: 05/14/2018
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: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
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: 05/04/2018
Next Scheduled EDR Contact: 08/13/2018
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: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
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: 05/30/2018
Next Scheduled EDR Contact: 08/06/2018
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: 05/22/2018
Next Scheduled EDR Contact: 09/10/2018
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: 05/25/2018
Next Scheduled EDR Contact: 09/03/2018
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: 04/13/2018
Next Scheduled EDR Contact: 07/23/2018
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: 04/11/2018
Next Scheduled EDR Contact: 07/23/2018
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: 05/15/2018
Next Scheduled EDR Contact: 08/27/2018
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: 05/07/2018
Next Scheduled EDR Contact: 08/20/2018
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: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/08/2018
Next Scheduled EDR Contact: 08/20/2018
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: 05/25/2018
Next Scheduled EDR Contact: 09/03/2018
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: 04/09/2018
Next Scheduled EDR Contact: 08/06/2018
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: 05/30/2018
Next Scheduled EDR Contact: 09/17/2018
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: 04/20/2018
Next Scheduled EDR Contact: 08/06/2018
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: 05/30/2018
Next Scheduled EDR Contact: 08/20/2018
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: 04/13/2018
Next Scheduled EDR Contact: 07/23/2018
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: 04/09/2018
Next Scheduled EDR Contact: 07/23/2018
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: 05/03/2018
Next Scheduled EDR Contact: 08/20/2018
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: 04/27/2018
Next Scheduled EDR Contact: 08/06/2018
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: 04/05/2018
Next Scheduled EDR Contact: 07/16/2018
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: 05/03/2018
Next Scheduled EDR Contact: 08/13/2018
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: 06/22/2018
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: 06/28/2018
Next Scheduled EDR Contact: 09/03/2018
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: 04/11/2018
Next Scheduled EDR Contact: 07/23/2018
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: 05/07/2018
Next Scheduled EDR Contact: 08/20/2018
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: 05/18/2018
Next Scheduled EDR Contact: 09/03/2018
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: 05/30/2018
Next Scheduled EDR Contact: 07/16/2018
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: 05/31/2018
Next Scheduled EDR Contact: 09/10/2018
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: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
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: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
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: 04/13/2018
Next Scheduled EDR Contact: 07/30/2018
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: 06/01/2018
Next Scheduled EDR Contact: 09/10/2018
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: 05/23/2018
Next Scheduled EDR Contact: 09/03/2018
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: 04/26/2018
Date Data Arrived at EDR: 04/27/2018
Date Made Active in Reports: 06/20/2018
Number of Days to Update: 54

Source: Department of Environmental Quality
Telephone: 602-771-2344
Last EDR Contact: 04/02/2018
Next Scheduled EDR Contact: 07/16/2018
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: 05/14/2018
Next Scheduled EDR Contact: 08/27/2018
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: 05/16/2018
Next Scheduled EDR Contact: 09/03/2018
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: 05/21/2018
Next Scheduled EDR Contact: 09/03/2018
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: 04/30/2018
Next Scheduled EDR Contact: 08/13/2018
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: 03/26/2018
Next Scheduled EDR Contact: 07/09/2018
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: 04/25/2018
Next Scheduled EDR Contact: 08/13/2018
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: 04/05/2018
Next Scheduled EDR Contact: 07/23/2018
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: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
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: 05/18/2018
Next Scheduled EDR Contact: 08/27/2018
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: 04/30/2018
Date Data Arrived at EDR: 05/03/2018
Date Made Active in Reports: 06/07/2018
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/03/2018
Next Scheduled EDR Contact: 08/13/2018
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: 05/21/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 07/14/2017
Number of Days to Update: 92

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

BASELINE ROAD WEST
5875 W BASELINE RD
LAVEEN, AZ 85339

TARGET PROPERTY COORDINATES

Latitude (North):	33.377505 - 33˚ 22’ 39.02’’
Longitude (West):	112.186513 - 112˚ 11’ 11.45’’
Universal Tranverse Mercator:	Zone 12
UTM X (Meters):	389629.8
UTM Y (Meters):	3693574.8
Elevation:	1001 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	6718619 FOWLER, AZ
Version Date:	2014
South Map:	6718635 LAVEEN, 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 principal 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).

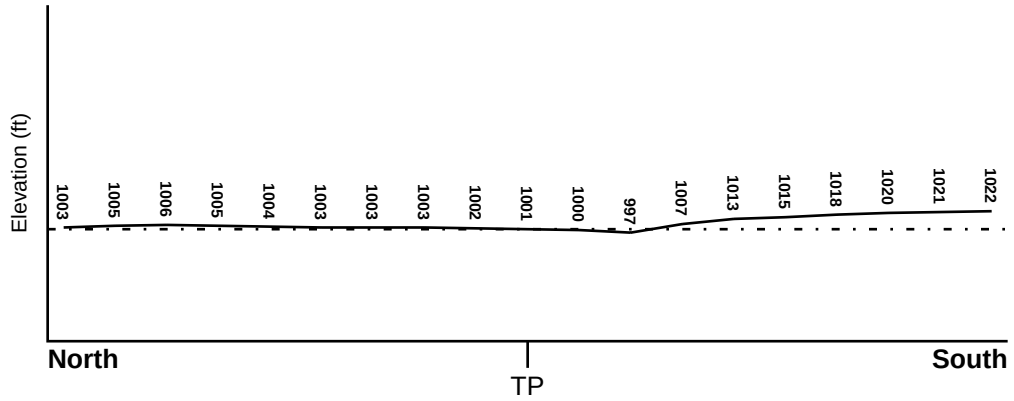
TOPOGRAPHIC INFORMATION

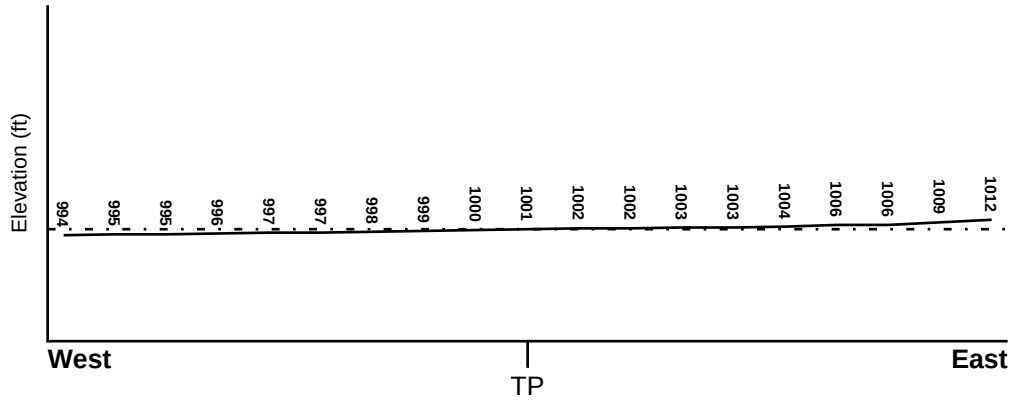
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 1001 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
04013C2195L	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
04013C2120E	FEMA Q3 Flood data
04013C2190M	FEMA FIRM Flood data
04013C2585D	FEMA Q3 Flood data
04013C2655L	FEMA FIRM Flood data
04013C2660L	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

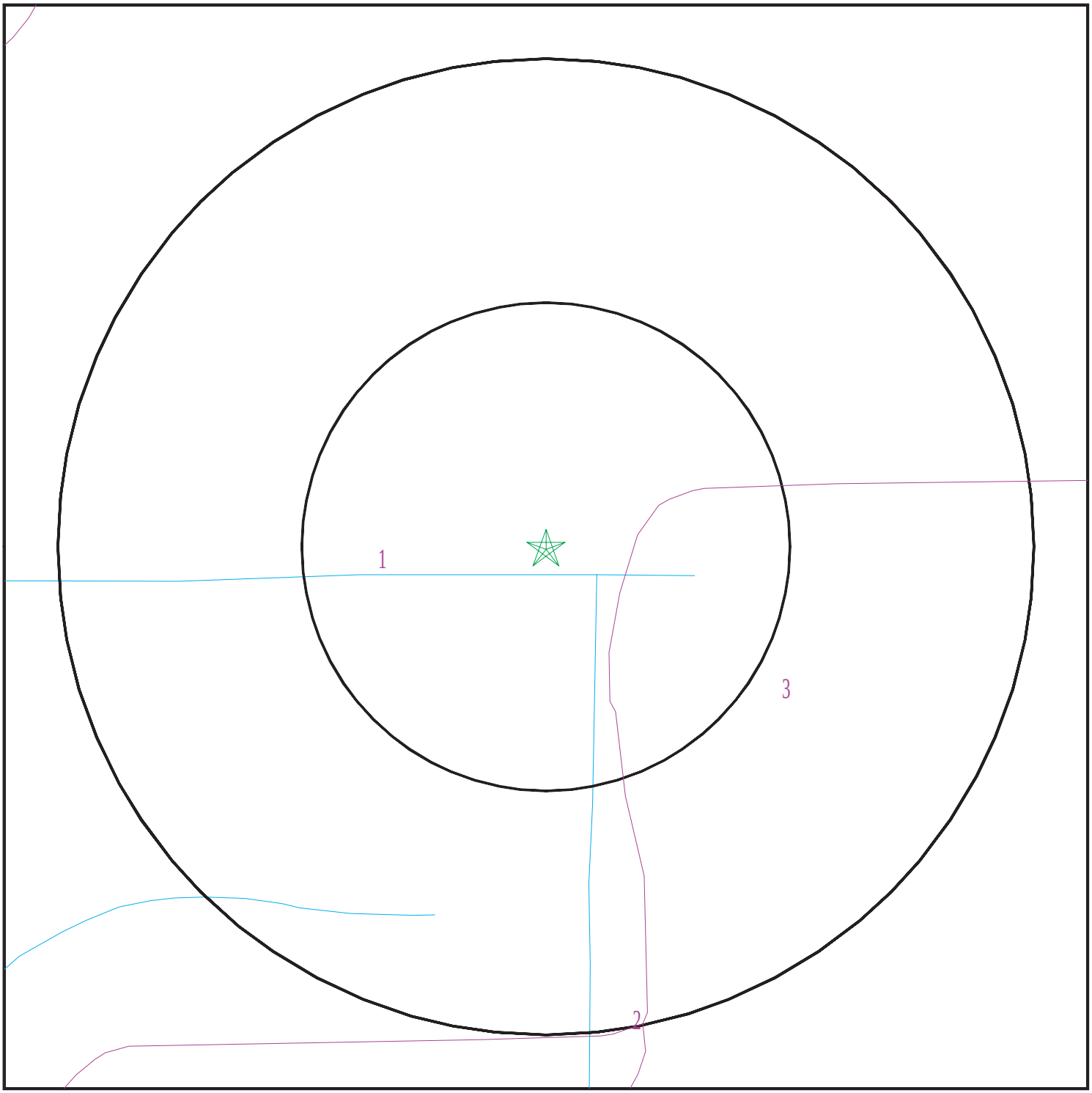
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

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 - 5349733.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Baseline Road West	CLIENT:	Civil & Env Consultants
ADDRESS:	5875 W Baseline Rd Laveen AZ 85339	CONTACT:	Jared Bates
		INQUIRY #:	5349733.2s
LAT/LONG:	33.377505 / 112.186513	DATE:	July 02, 2018 12:01 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: GILMAN

Soil Surface Texture: 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	18 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	18 inches	37 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 7.9
3	37 inches	64 inches	very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 7.9

Soil Map ID: 2

Soil Component Name: LAVEEN

Soil Surface Texture: 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	14 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 7.9
2	14 inches	50 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 7.9
3	50 inches	72 inches	gravelly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 8.4 Min: 7.9

Soil Map ID: 3

Soil Component Name: GILMAN

Soil Surface Texture: 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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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	18 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 9 Min: 8.5
2	18 inches	37 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 9 Min: 8.5
3	37 inches	64 inches	very fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 9 Min: 8.5

LOCAL / REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
C13	USGS40000052945	1/2 - 1 Mile South
C14	USGS40000052976	1/2 - 1 Mile South
D18	USGS40000053359	1/2 - 1 Mile NW
23	USGS40000053301	1/2 - 1 Mile WNW
H43	USGS40000053165	1/2 - 1 Mile East
G44	USGS40000053430	1/2 - 1 Mile North
45	USGS40000053293	1/2 - 1 Mile WNW
H46	USGS40000053164	1/2 - 1 Mile East

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
24	AZ0407025	1/2 - 1 Mile WNW

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

STATE DATABASE WELL INFORMATION

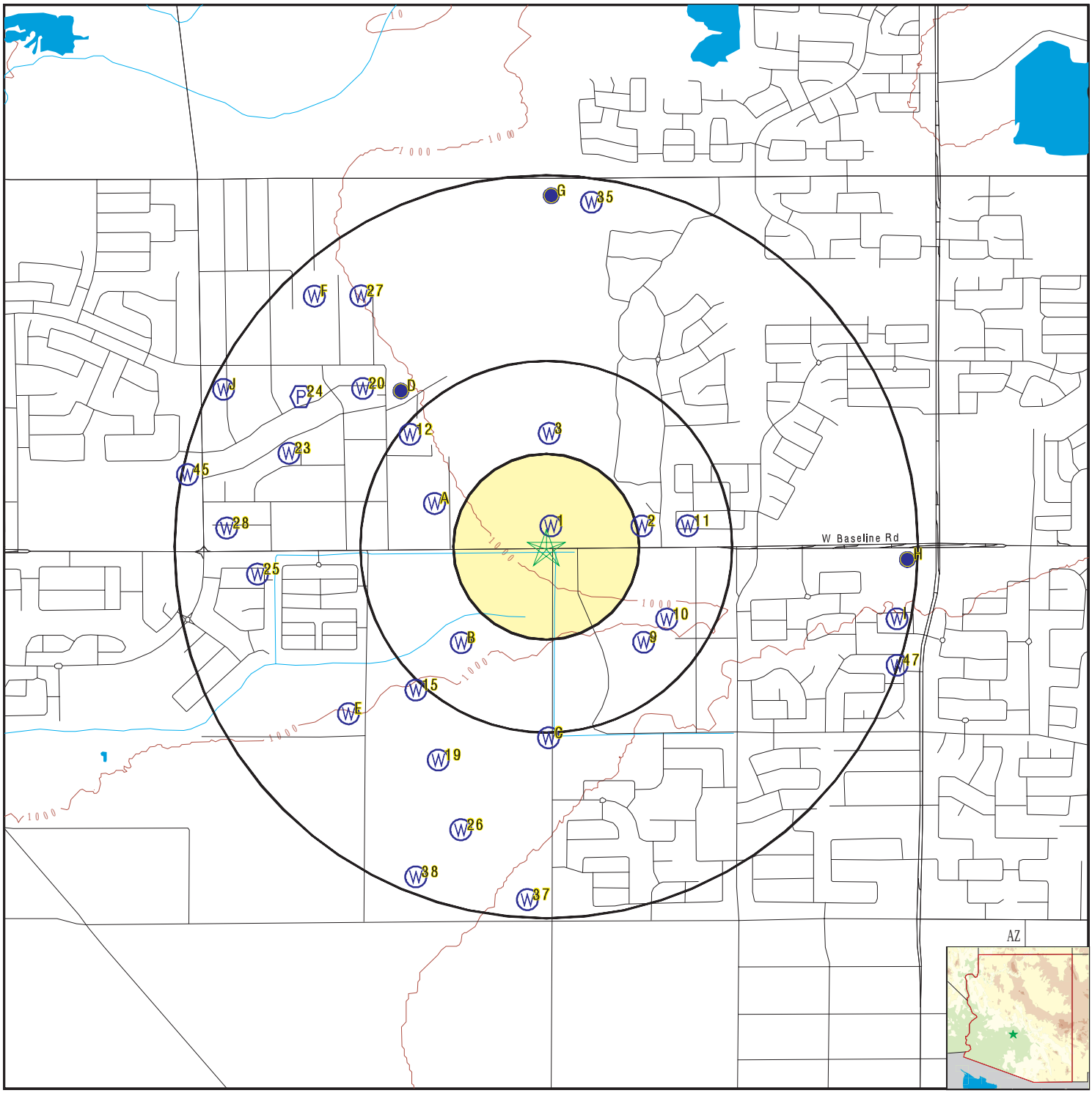
MAP ID	WELL ID	LOCATION FROM TP
1	AZ7000000082022	0 - 1/8 Mile NNE
2	AZ7000000082024	1/4 - 1/2 Mile ENE
3	AZ7000000082435	1/4 - 1/2 Mile North
A4	AZ7000000082196	1/4 - 1/2 Mile WNW
A5	AZ7000000082197	1/4 - 1/2 Mile WNW
B6	AZ7000000081514	1/4 - 1/2 Mile SW
B7	AZ7000000081515	1/4 - 1/2 Mile SW
B8	AZ7000000081516	1/4 - 1/2 Mile SW
9	AZ7000000081517	1/4 - 1/2 Mile SE
10	AZ7000000081567	1/4 - 1/2 Mile ESE
11	AZ7000000082026	1/4 - 1/2 Mile East
12	AZ7000000082429	1/4 - 1/2 Mile NW
15	AZ7000000081306	1/2 - 1 Mile SW
D16	AZ7000000082570	1/2 - 1 Mile NW
D17	AZ7000000082571	1/2 - 1 Mile NW
19	AZ7000000080937	1/2 - 1 Mile SSW
20	AZ7000000082569	1/2 - 1 Mile NW
E21	AZ7000000081150	1/2 - 1 Mile SW
E22	AZ7000000081151	1/2 - 1 Mile SW
25	AZ7000000081715	1/2 - 1 Mile West
26	AZ7000000080766	1/2 - 1 Mile SSW
27	AZ7000000083040	1/2 - 1 Mile NW
28	AZ7000000082018	1/2 - 1 Mile West
F29	AZ7000000083036	1/2 - 1 Mile NW
F30	AZ7000000083035	1/2 - 1 Mile NW
F31	AZ7000000083038	1/2 - 1 Mile NW
F32	AZ7000000083037	1/2 - 1 Mile NW
G33	AZ7000000083445	1/2 - 1 Mile North
G34	AZ7000000083446	1/2 - 1 Mile North

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
35	AZ7000000083440	1/2 - 1 Mile North
H36	AZ7000000081720	1/2 - 1 Mile East
37	AZ7000000080421	1/2 - 1 Mile South
38	AZ7000000080619	1/2 - 1 Mile SSW
I39	AZ7000000081568	1/2 - 1 Mile ESE
I40	AZ7000000081569	1/2 - 1 Mile ESE
J41	AZ7000000082565	1/2 - 1 Mile WNW
J42	AZ7000000082566	1/2 - 1 Mile WNW
47	AZ7000000081351	1/2 - 1 Mile ESE

PHYSICAL SETTING SOURCE MAP - 5349733.2s



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
Indeterminate Groundwater Flow at Location
Groundwater Flow Varies at Location
Closest Hydrogeological Data
Oil, gas or related wells

N

SITE NAME:	Baseline Road West	CLIENT:	Civil & Env Consultants
ADDRESS:	5875 W Baseline Rd Laveen AZ 85339	CONTACT:	Jared Bates
		INQUIRY #:	5349733.2s
LAT/LONG:	33.377505 / 112.186513	DATE:	July 02, 2018 12:01 pm

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Map ID Direction Distance Elevation	Database	EDR ID Number
1 **NNE** **0 - 1/8 Mile** **Higher**	**AZ WELLS**	**AZ7000000082022**

Program:	55	Registry i:	906819
Owner name:	ACURA ENGINEERING		
Rgr pump d:	NO	Welltype:	OTHER
Well type :	OTHER		
Dlic num:	7		
Approved:	4/13/2007 4:41:08 PM	Installed:	4/16/2007 12:00:00 AM
Well depth:	101		
Water leve:	40		
Casing dep:	100		
Casing dia:	5		
Casing typ:	PLASTIC OR PVC		
Pump type:	Not Reported		
Pump power:	Not Reported		
Pumprate:	0		
Testedrate:	0		
Draw down:	0		
Completion:	Not Reported	Drill log:	X
Well cance:	Not Reported	Cadastral:	A01002031DDD
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	A
Whole town:	1		
Half towns:	0		
Northsouth:	N		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	31		
Quarter 16:	D	Qacre160di:	SE
Quarter 40:	D	Qacre40dir:	SE
Quarter 10:	D	Qacre10dir:	SE
Utm x mete:	389653.4		
Utm y mete:	3693857		
Applicatio:	4/13/2007 4:41:08 PM	Site id:	AZ7000000082022

---

2 **ENE** **1/4 - 1/2 Mile** **Higher**	**AZ WELLS**	**AZ7000000082024**

Program:	55	Registry i:	624173
Owner name:	POHLCAT MOUNTAINVIEW,		
Rgr pump d:	YES	Welltype:	NON-EXEMPT
Well type :	NON-EXEMPT		
Dlic num:	0		
Approved:	Not Reported	Installed:	1/1/1980 12:00:00 AM
Well depth:	400		
Water leve:	30		
Casing dep:	400		
Casing dia:	8		

Casing typ:	STEEL - PERFORATED OR SLOTTED CASING		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	100		
Testedrate:	0		
Draw down:	0		
Completion:	Not Reported	Drill log:	Not Reported
Well cance:	Not Reported	Cadastral:	A01002032CCD
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	A
Whole town:	1		
Half towns:	0		
Northsouth:	N		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	32		
Quarter 16:	C	Qacre160di:	SW
Quarter 40:	C	Qacre40dir:	SW
Quarter 10:	D	Qacre10dir:	SE
Utm x mete:	390047.7		
Utm y mete:	3693853		
Applicatio:	6/11/1982 12:00:00 AM	Site id:	AZ7000000082024

3
North **AZ WELLS** **AZ7000000082435**
1/4 - 1/2 Mile
Higher

Program:	55	Registry i:	504097
Owner name:	HOLT,R		
Rgr pump d:	NO	Welltype:	EXEMPT
Well type :	EXEMPT		
Dlic num:	17		
Approved:	Not Reported	Installed:	10/23/1982 12:00:00 AM
Well depth:	145		
Water leve:	45		
Casing dep:	145		
Casing dia:	8		
Casing typ:	STEEL - PERFORATED OR SLOTTED CASING		
Pump type:	SUBMERSIBLE		
Pump power:	ELECTRIC MOTOR 1 - 5 HP		
Pumprate:	18		
Testedrate:	60		
Draw down:	12		
Completion:	X	Drill log:	X
Well cance:	Not Reported	Cadastral:	A01002031DAD
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	A
Whole town:	1		
Half towns:	0		
Northsouth:	N		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	31		
Quarter 16:	D	Qacre160di:	SE
Quarter 40:	A	Qacre40dir:	NE
Quarter 10:	D	Qacre10dir:	SE

Utm x mete:	389650.8		
Utm y mete:	3694258		
Applicatio:	10/7/1982 12:00:00 AM	Site id:	AZ7000000082435

A4
WNW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZ7000000082196**

Program:	55	Registry i:	511234
Owner name:	CHICKASHA COTTON OIL,		
Rgr pump d:	NO	Welltype:	NON-SERVICE
Well type :	NON-EXEMPT		
Dlic num:	165		
Approved:	Not Reported	Installed:	Not Reported
Well depth:	0		
Water leve:	0		
Casing dep:	0		
Casing dia:	0		
Casing typ:	NO CASING CODE LISTED		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	0		
Testedrate:	0		
Draw down:	0		
Completion:	Not Reported	Drill log:	Not Reported
Well cance:	Y	Cadastral:	A01002031DC0
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	A
Whole town:	1		
Half towns:	0		
Northsouth:	N		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	31		
Quarter 16:	D	Qacre160di:	SE
Quarter 40:	C	Qacre40dir:	SW
Quarter 10:	0	Qacre10dir:	Not Reported
Utm x mete:	389151		
Utm y mete:	3693960		
Applicatio:	7/22/1985 12:00:00 AM	Site id:	AZ7000000082196

A5
WNW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZ7000000082197**

Program:	55	Registry i:	511235
Owner name:	SOUTH MOUNTAIN FARMERS GIN INC		
Rgr pump d:	NO	Welltype:	REPLACEMENT WELL IN NEW LOCATION
Well type :	NON-EXEMPT		
Dlic num:	165		
Approved:	Not Reported	Installed:	Not Reported
Well depth:	0		
Water leve:	0		
Casing dep:	0		
Casing dia:	0		

Casing typ:	NO CASING CODE LISTED		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	0		
Testedrate:	0		
Draw down:	0		
Completion:	X	Drill log:	X
Well cance:	Not Reported	Cadastral:	A01002031DC0
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	A
Whole town:	1		
Half towns:	0		
Northsouth:	N		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	31		
Quarter 16:	D	Qacre160di:	SE
Quarter 40:	C	Qacre40dir:	SW
Quarter 10:	0	Qacre10dir:	Not Reported
Utm x mete:	389151		
Utm y mete:	3693960		
Applicatio:	5/29/1985 12:00:00 AM	Site id:	AZ7000000082197

B6
SW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZ7000000081514**

Program:	55	Registry i:	601559
Owner name:	JOJO I LLC		
Rgr pump d:	YES	Welltype:	NON-EXEMPT
Well type :	NON-EXEMPT		
Dlic num:	0		
Approved:	Not Reported	Installed:	3/15/1948 12:00:00 AM
Well depth:	155		
Water leve:	40		
Casing dep:	155		
Casing dia:	20		
Casing typ:	STEEL - PERFORATED OR SLOTTED CASING		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	1300		
Testedrate:	1300		
Draw down:	0		
Completion:	Not Reported	Drill log:	Not Reported
Well cance:	Not Reported	Cadastral:	D01002006A00
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	D
Whole town:	1		
Half towns:	0		
Northsouth:	S		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	6		
Quarter 16:	A	Qacre160di:	NE
Quarter 40:	0	Qacre40dir:	Not Reported
Quarter 10:	0	Qacre10dir:	Not Reported

Utm x mete:	389259.6		
Utm y mete:	3693356		
Applicatio:	1/15/1982 12:00:00 AM	Site id:	AZ7000000081514

B7
SW **AZ WELLS** **AZ7000000081515**
1/4 - 1/2 Mile
Lower

Program:	55	Registry i:	601561
Owner name:	HONOLU ACCOMAZZO		
Rgr pump d:	NO	Welltype:	EXEMPT
Well type :	EXEMPT		
Dlic num:	0		
Approved:	Not Reported	Installed:	1/1/1969 12:00:00 AM
Well depth:	811		
Water leve:	50		
Casing dep:	525		
Casing dia:	8		
Casing typ:	STEEL - PERFORATED OR SLOTTED CASING		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	25		
Testedrate:	25		
Draw down:	0		
Completion:	Not Reported	Drill log:	Not Reported
Well cance:	Not Reported	Cadastral:	D01002006A00
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	D
Whole town:	1		
Half towns:	0		
Northsouth:	S		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	6		
Quarter 16:	A	Qacre160di:	NE
Quarter 40:	0	Qacre40dir:	Not Reported
Quarter 10:	0	Qacre10dir:	Not Reported
Utm x mete:	389259.6		
Utm y mete:	3693356		
Applicatio:	1/15/1982 12:00:00 AM	Site id:	AZ7000000081515

B8
SW **AZ WELLS** **AZ7000000081516**
1/4 - 1/2 Mile
Lower

Program:	55	Registry i:	601562
Owner name:	ACCOMAZZO, MARK,		
Rgr pump d:	NO	Welltype:	EXEMPT
Well type :	EXEMPT		
Dlic num:	0		
Approved:	Not Reported	Installed:	1/1/1944 12:00:00 AM
Well depth:	400		
Water leve:	50		
Casing dep:	400		
Casing dia:	8		

Casing typ:	STEEL - PERFORATED OR SLOTTED CASING		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	10		
Testedrate:	10		
Draw down:	0		
Completion:	Not Reported	Drill log:	Not Reported
Well cance:	Not Reported	Cadastral:	D01002006A00
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	D
Whole town:	1		
Half towns:	0		
Northsouth:	S		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	6		
Quarter 16:	A	Qacre160di:	NE
Quarter 40:	0	Qacre40dir:	Not Reported
Quarter 10:	0	Qacre10dir:	Not Reported
Utm x mete:	389259.6		
Utm y mete:	3693356		
Applicatio:	1/15/1982 12:00:00 AM	Site id:	AZ7000000081516

9
SE **AZ WELLS** **AZ7000000081517**
1/4 - 1/2 Mile
Higher

Program:	55	Registry i:	482160
Owner name:	PHOENIX UNION HIGH SCHOOL DISTRICT #210		
Rgr pump d:	NO	Welltype:	NON-EXEMPT
Well type :	NON-EXEMPT		
Dlic num:	0		
Approved:	Not Reported	Installed:	12/31/1979 12:00:00 AM
Well depth:	114		
Water leve:	0		
Casing dep:	114		
Casing dia:	16		
Casing typ:	STEEL - PERFORATED OR SLOTTED CASING		
Pump type:	Not Reported		
Pump power:	Not Reported		
Pumprate:	0		
Testedrate:	0		
Draw down:	0		
Completion:	Not Reported	Drill log:	Not Reported
Well cance:	Y	Cadastral:	D01002005B00
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	D
Whole town:	1		
Half towns:	0		
Northsouth:	S		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	5		
Quarter 16:	B	Qacre160di:	NW
Quarter 40:	0	Qacre40dir:	Not Reported
Quarter 10:	0	Qacre10dir:	Not Reported

Utm x mete:	390049.5		
Utm y mete:	3693349		
Applicatio:	4/30/2007 12:00:00 AM	Site id:	AZ7000000081517

10
ESE **AZ WELLS** **AZ7000000081567**
1/4 - 1/2 Mile
Lower

Program:	55	Registry i:	601560
Owner name:	PHOENIX UNION HIGH SCHOOL DISTRICT #210		
Rgr pump d:	YES	Welltype:	NON-EXEMPT
Well type :	NON-EXEMPT		
Dlic num:	671		
Approved:	Not Reported	Installed:	11/15/1957 12:00:00 AM
Well depth:	400		
Water leve:	50		
Casing dep:	300		
Casing dia:	16		
Casing typ:	STEEL - PERFORATED OR SLOTTED CASING		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	2500		
Testedrate:	2500		
Draw down:	0		
Completion:	A	Drill log:	Not Reported
Well cance:	Y	Cadastral:	D01002005BAC
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	D
Whole town:	1		
Half towns:	0		
Northsouth:	S		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	5		
Quarter 16:	B	Qacre160di:	NW
Quarter 40:	A	Qacre40dir:	NE
Quarter 10:	C	Qacre10dir:	SW
Utm x mete:	390150.1		
Utm y mete:	3693448		
Applicatio:	1/15/1982 12:00:00 AM	Site id:	AZ7000000081567

11
East **AZ WELLS** **AZ7000000082026**
1/4 - 1/2 Mile
Higher

Program:	55	Registry i:	599020
Owner name:	CITY OF PHOENIX AND FLOOD CONTROL DIST. OF MARICOPA COUNTY		
Rgr pump d:	YES	Welltype:	SERVICE
Well type :	NON-EXEMPT		
Dlic num:	360		
Approved:	3/18/2004 12:00:00 AM	Installed:	Not Reported
Well depth:	500		
Water leve:	48		
Casing dep:	500		
Casing dia:	21		

Casing typ:	STEEL - PERFORATED OR SLOTTED CASING		
Pump type:	Not Reported		
Pump power:	Not Reported		
Pumprate:	0		
Testedrate:	0		
Draw down:	0		
Completion:	Not Reported	Drill log:	X
Well cance:	Not Reported	Cadastral:	A01002032CDC
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	A
Whole town:	1		
Half towns:	0		
Northsouth:	N		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	32		
Quarter 16:	C	Qacre160di:	SW
Quarter 40:	D	Qacre40dir:	SE
Quarter 10:	C	Qacre10dir:	SW
Utm x mete:	390245.7		
Utm y mete:	3693851		
Applicatio:	9/25/2003 12:00:00 AM	Site id:	AZ7000000082026

12
NW
1/4 - 1/2 Mile
Lower

AZ WELLS **AZ7000000082429**

Program:	55	Registry i:	519133
Owner name:	RANDALL, GAIL,V		
Rgr pump d:	NO	Welltype:	DOMESTIC STOCK EXEMPT
Well type :	EXEMPT		
Dlic num:	360		
Approved:	Not Reported	Installed:	10/14/1987 12:00:00 AM
Well depth:	370		
Water leve:	60		
Casing dep:	370		
Casing dia:	5		
Casing typ:	STEEL - PERFORATED OR SLOTTED CASING		
Pump type:	SUBMERSIBLE		
Pump power:	ELECTRIC MOTOR 1 - 5 HP		
Pumprate:	35		
Testedrate:	30		
Draw down:	80		
Completion:	X	Drill log:	X
Well cance:	Not Reported	Cadastral:	A01002031DBC
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	A
Whole town:	1		
Half towns:	0		
Northsouth:	N		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	31		
Quarter 16:	D	Qacre160di:	SE
Quarter 40:	B	Qacre40dir:	NW
Quarter 10:	C	Qacre10dir:	SW

Utm x mete:	389048.2		
Utm y mete:	3694261		
Applicatio:	9/24/1987 12:00:00 AM	Site id:	AZ7000000082429

C13
South
1/2 - 1 Mile
Higher

FED USGS **USGS40000052945**

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-332212112110901		
Monloc name:	D-01-02 06DAA		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15060106	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.3700447
Longitude:	-112.1865399	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	1010.
Vert measure units:	feet	Vertacc measure val:	05
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	694
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

C14
South
1/2 - 1 Mile
Higher

FED USGS **USGS40000052976**

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-332217112110901		
Monloc name:	D-01-02 06ADD1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15060106	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.3700447
Longitude:	-112.1862621	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	1010.
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	19480713	Welldepth:	155
Welldepth units:	ft	Wellholedepth:	155
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1972-01-20	43.00	

15
SW
1/2 - 1 Mile
Higher

AZ WELLS **AZ7000000081306**

Program:	55	Registry i:	804391
Owner name:	ACCOMAZZO, MARK,		
Rgr pump d:	NO	Welltype:	EXEMPT
Well type :	EXEMPT		
Dlic num:	0		
Approved:	Not Reported	Installed:	6/6/1968 12:00:00 AM
Well depth:	800		
Water leve:	40		
Casing dep:	800		
Casing dia:	8		
Casing typ:	NO CASING CODE LISTED		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	25		
Testedrate:	0		
Draw down:	0		
Completion:	Not Reported	Drill log:	Not Reported
Well cance:	Not Reported	Cadastral:	D01002006AC0
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	D
Whole town:	1		
Half towns:	0		
Northsouth:	S		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	6		
Quarter 16:	A	Qacre160di:	NE
Quarter 40:	C	Qacre40dir:	SW
Quarter 10:	0	Qacre10dir:	Not Reported
Utm x mete:	389061		
Utm y mete:	3693153		
Applicatio:	1/20/1987 12:00:00 AM	Site id:	AZ7000000081306

D16
NW
1/2 - 1 Mile
Lower

AZ WELLS **AZ7000000082570**

Program:	55	Registry i:	206474
Owner name:	ANNABELLA MURILLO		
Rgr pump d:	NO	Welltype:	EXEMPT
Well type :	EXEMPT		
Dlic num:	655		
Approved:	4/20/2005 12:00:00 AM	Installed:	Not Reported
Well depth:	0		
Water leve:	0		
Casing dep:	0		
Casing dia:	0		
Casing typ:	Not Reported		
Pump type:	Not Reported		
Pump power:	Not Reported		
Pumprate:	0		
Testedrate:	0		
Draw down:	0		
Completion:	Not Reported	Drill log:	Not Reported
Well cance:	Not Reported	Cadastral:	A01002031DBB
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	A
Whole town:	1		
Half towns:	0		
Northsouth:	N		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	31		
Quarter 16:	D	Qacre160di:	SE
Quarter 40:	B	Qacre40dir:	NW
Quarter 10:	B	Qacre10dir:	NW
Utm x mete:	389046.6		
Utm y mete:	3694461		
Applicatio:	4/20/2005 12:00:00 AM	Site id:	AZ7000000082570

D17
NW
1/2 - 1 Mile
Lower

AZ WELLS **AZ7000000082571**

Program:	55	Registry i:	623535
Owner name:	MORRIS, KEITH,J		
Rgr pump d:	NO	Welltype:	NON-EXEMPT
Well type :	NON-EXEMPT		
Dlic num:	0		
Approved:	Not Reported	Installed:	1/1/1945 12:00:00 AM
Well depth:	0		
Water leve:	0		
Casing dep:	0		
Casing dia:	0		
Casing typ:	NO CASING CODE LISTED		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	75		
Testedrate:	75		
Draw down:	0		
Completion:	Not Reported	Drill log:	Not Reported
Well cance:	Not Reported	Cadastral:	A01002031DBB
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	A

Whole town:	1		
Half towns:	0		
Northsouth:	N		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	31		
Quarter 16:	D	Qacre160di:	SE
Quarter 40:	B	Qacre40dir:	NW
Quarter 10:	B	Qacre10dir:	NW
Utm x mete:	389046.6		
Utm y mete:	3694461		
Applicatio:	6/11/1982 12:00:00 AM	Site id:	AZ7000000082571

D18
NW
1/2 - 1 Mile
Lower

FED USGS **USGS40000053359**

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-332308112113301		
Monloc name:	A-01-02 31CAA		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15060106	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.3833777
Longitude:	-112.1940403	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	998.
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	197109	Welldepth:	1470
Welldepth units:	ft	Wellholedepth:	1470
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

19
SSW
1/2 - 1 Mile
Higher

AZ WELLS **AZ7000000080937**

Program:	55	Registry i:	621225
Owner name:	PURCELL,H M		
Rgr pump d:	NO	Welltype:	NON-EXEMPT
Well type :	NON-EXEMPT		
Dlic num:	0		
Approved:	Not Reported	Installed:	7/1/1971 12:00:00 AM
Well depth:	200		
Water leve:	55		
Casing dep:	200		
Casing dia:	9		

Casing typ:	STEEL - PERFORATED OR SLOTTED CASING		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	65		
Testedrate:	65		
Draw down:	0		
Completion:	Not Reported	Drill log:	Not Reported
Well cance:	Not Reported	Cadastral:	D01002006DBA
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	D
Whole town:	1		
Half towns:	0		
Northsouth:	S		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	6		
Quarter 16:	D	Qacre160di:	SE
Quarter 40:	B	Qacre40dir:	NW
Quarter 10:	A	Qacre10dir:	NE
Utm x mete:	389154.4		
Utm y mete:	3692849		
Applicatio:	6/14/1982 12:00:00 AM	Site id:	AZ7000000080937

20
NW
1/2 - 1 Mile
Lower

AZ WELLS **AZ7000000082569**

Program:	55	Registry i:	623537
Owner name:	CITY OF PHOENIX WATER SERVICES		
Rgr pump d:	YES	Welltype:	NON-EXEMPT
Well type :	NON-EXEMPT		
Dlic num:	215		
Approved:	Not Reported	Installed:	9/1/1971 12:00:00 AM
Well depth:	1470		
Water leve:	0		
Casing dep:	1450		
Casing dia:	10		
Casing typ:	NO CASING CODE LISTED		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	183		
Testedrate:	183		
Draw down:	0		
Completion:	A	Drill log:	Not Reported
Well cance:	Y	Cadastral:	A01002031CAA
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	A
Whole town:	1		
Half towns:	0		
Northsouth:	N		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	31		
Quarter 16:	C	Qacre160di:	SW
Quarter 40:	A	Qacre40dir:	NE
Quarter 10:	A	Qacre10dir:	NE

Utm x mete:	388845.7		
Utm y mete:	3694462		
Applicatio:	6/11/1982 12:00:00 AM	Site id:	AZ7000000082569

E21
SW
1/2 - 1 Mile
Higher

AZ WELLS **AZ7000000081150**

Program:	55	Registry i:	605870
Owner name:	SCHLOSSER,R A		
Rgr pump d:	YES	Welltype:	NON-EXEMPT
Well type :	NON-EXEMPT		
Dlic num:	0		
Approved:	Not Reported	Installed:	1/1/1960 12:00:00 AM
Well depth:	0		
Water leve:	0		
Casing dep:	0		
Casing dia:	0		
Casing typ:	NO CASING CODE LISTED		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	0		
Testedrate:	0		
Draw down:	0		
Completion:	Not Reported	Drill log:	Not Reported
Well cance:	Not Reported	Cadastral:	D01002006BDD
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	D
Whole town:	1		
Half towns:	0		
Northsouth:	S		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	6		
Quarter 16:	B	Qacre160di:	NW
Quarter 40:	D	Qacre40dir:	SE
Quarter 10:	D	Qacre10dir:	SE
Utm x mete:	388768.1		
Utm y mete:	3693054		
Applicatio:	4/22/1982 12:00:00 AM	Site id:	AZ7000000081150

E22
SW
1/2 - 1 Mile
Higher

AZ WELLS **AZ7000000081151**

Program:	55	Registry i:	605872
Owner name:	SCHLOSSER,R A		
Rgr pump d:	YES	Welltype:	NON-EXEMPT
Well type :	NON-EXEMPT		
Dlic num:	0		
Approved:	Not Reported	Installed:	1/1/1960 12:00:00 AM
Well depth:	0		
Water leve:	0		
Casing dep:	0		
Casing dia:	0		

Casing typ:	NO CASING CODE LISTED		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	0		
Testedrate:	0		
Draw down:	0		
Completion:	Not Reported	Drill log:	Not Reported
Well cance:	Not Reported	Cadastral:	D01002006BDD
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	D
Whole town:	1		
Half towns:	0		
Northsouth:	S		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	6		
Quarter 16:	B	Qacre160di:	NW
Quarter 40:	D	Qacre40dir:	SE
Quarter 10:	D	Qacre10dir:	SE
Utm x mete:	388768.1		
Utm y mete:	3693054		
Applicatio:	4/22/1982 12:00:00 AM	Site id:	AZ7000000081151

23
WNW
1/2 - 1 Mile
Lower

FED USGS **USGS40000053301**

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-332252112115201		
Monloc name:	D-01-02 06BDB		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15060106	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.3811555
Longitude:	-112.1984849	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	997.
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19660101	Welldepth:	432
Welldepth units:	ft	Wellholedepth:	432
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1966-08-24	75.00		1966-08-01	75.00	

24
WNW
1/2 - 1 Mile
Lower

FRDS PWS **AZ0407025**

Epa region:	09	State:	AZ
Pwsid:	AZ0407025		
Pwsname:	PHOENIX CITY OF		
City served:	Not Reported	State served:	AZ
Zip served:	Not Reported	Fips county:	04013
Status:	Active	Pop srvd:	1500000
Pwssvcconn:	407902	Source:	Surface_water
Pws type:	CWS	Owner:	Local_Govt
Contact:	GOTTLER, RANDY		
Contactor gname:	GOTTLER, RANDY		
Contact phone:	602-262-1859	Contact address1:	Not Reported
Contact address2:	2474 S 22ND AVE	Contact city:	PHOENIX
Contact state:	AZ	Contact zip:	85009
Activity code:	A		

Facid:	17203		
Facname:	XTP001 - CL2		
Facility type:	Treatment_plant	Activity code:	I
Treatment obj:	disinfection	Treatment process:	hypochlorination, post
Facid:	17204		
Facname:	XTP002 - CL2		
Facility type:	Treatment_plant	Activity code:	I
Treatment obj:	disinfection	Treatment process:	hypochlorination, post
Facid:	17205		
Facname:	XTP003 - CL2		
Facility type:	Treatment_plant	Activity code:	I
Treatment obj:	disinfection	Treatment process:	hypochlorination, post
Facid:	17206		
Facname:	XTP004 - CL2		
Facility type:	Treatment_plant	Activity code:	I
Treatment obj:	disinfection	Treatment process:	hypochlorination, post
Facid:	17207		
Facname:	XTP005 - CL2		
Facility type:	Treatment_plant	Activity code:	I
Treatment obj:	disinfection	Treatment process:	hypochlorination, post
Facid:	17208		
Facname:	XTP006 - CL2		
Facility type:	Treatment_plant	Activity code:	I
Treatment obj:	disinfection	Treatment process:	hypochlorination, post

Facid:	19241		
Facname:	TP407 - LAKE PLEASANT		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	inorganics removal	Treatment process:	coagulation

Facid:	20198		
Facname:	XTP289 - AS & CL2		
Facility type:	Treatment_plant	Activity code:	I
Treatment obj:	disinfection	Treatment process:	gaseous chlorination, pre
Treatment obj:	inorganics removal	Treatment process:	filtered

Facid:	20221		
Facname:	TP280 - AS & CL2		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	gaseous chlorination, pre
Treatment obj:	inorganics removal	Treatment process:	filtered

Facid:	20222		
Facname:	TP261 - AS & CL2		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	gaseous chlorination, pre
Treatment obj:	inorganics removal	Treatment process:	filtered

Facid:	20225		
Facname:	TP233 - CL2 & AS		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	hypochlorination, post
Treatment obj:	inorganics removal	Treatment process:	filtered

Facid:	20226		
Facname:	TP235 - CL2 & AS		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	hypochlorination, post
Treatment obj:	inorganics removal	Treatment process:	filtered

Facid:	20227		
Facname:	TP264 - AS & CL2		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	gaseous chlorination, pre
Treatment obj:	inorganics removal	Treatment process:	filtered

Facid:	20228		
Facname:	TP275 - AS & CL2		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	hypochlorination, post
Treatment obj:	inorganics removal	Treatment process:	filtered

Facid:	20229		
Facname:	TP276 - AS & CL2		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	hypochlorination, post
Treatment obj:	inorganics removal	Treatment process:	filtered

Facid:	21099		
Facname:	TP295 - AS		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	gaseous chlorination, pre

Treatment obj:	inorganics removal	Treatment process:	filtered

Facid:	21160		
Facname:	XTP290 - CL2 & AS		
Facility type:	Treatment_plant	Activity code:	I
Treatment obj:	disinfection	Treatment process:	gaseous chlorination, pre
Treatment obj:	inorganics removal	Treatment process:	filtered

Facid:	21986		
Facname:	XTP001 - WHITE TANKS REGIONAL WTP		
Facility type:	Treatment_plant	Activity code:	I
Treatment obj:	disinfection	Treatment process:	filtration, slow sand
Treatment obj:	disinfection	Treatment process:	chlorination (frds-1.5)
Treatment obj:	disinfection by-products control	Treatment process:	flocculation
Treatment obj:	disinfection by-products control	Treatment process:	coagulation
Treatment obj:	disinfection by-products control	Treatment process:	activated carbon, granular

Facid:	22187		
Facname:	XTP288 - AS - CL2		
Facility type:	Treatment_plant	Activity code:	I
Treatment obj:	disinfection	Treatment process:	innovative
Treatment obj:	disinfection	Treatment process:	hypochlorination, post

Facid:	22382		
Facname:	TP294 - CL2 & AS		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	gaseous chlorination, pre
Treatment obj:	inorganics removal	Treatment process:	filtered
Treatment obj:	inorganics removal	Treatment process:	innovative

Facid:	22414		
Facname:	TP296 - AS & CL2		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	chlorination (frds-1.5)
Treatment obj:	inorganics removal	Treatment process:	ion exchange
Treatment obj:	inorganics removal	Treatment process:	innovative

Facid:	22604		
Facname:	TP256 - CL2 & AS		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	gaseous chlorination, pre
Treatment obj:	inorganics removal	Treatment process:	filtered

Facid:	22605		
Facname:	TP218 - CL2 & AS		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	gaseous chlorination, pre
Treatment obj:	inorganics removal	Treatment process:	filtered

Facid:	22606		
Facname:	TP072 - CL2 & AS		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	gaseous chlorination, pre
Treatment obj:	inorganics removal	Treatment process:	filtered

Facid:	23083		
Facname:	TP180 - AS & CHROMIUM		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	inorganics removal	Treatment process:	filtered
Treatment obj:	inorganics removal	Treatment process:	reverse osmosis

Facid:	552		
Facname:	XTP401 - VERDE PLANT		
Facility type:	Treatment_plant	Activity code:	I
Treatment obj:	disinfection	Treatment process:	gaseous chlorination, post
Treatment obj:	other	Treatment process:	fluoridation
Treatment obj:	particulate removal	Treatment process:	coagulation
Treatment obj:	particulate removal	Treatment process:	sedimentation
Treatment obj:	particulate removal	Treatment process:	flocculation
Treatment obj:	taste / odor control	Treatment process:	permanganate

Facid:	553		
Facname:	TP402 - 24TH ST		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	gaseous chlorination, pre
Treatment obj:	other	Treatment process:	fluoridation
Treatment obj:	particulate removal	Treatment process:	filtration, slow sand
Treatment obj:	particulate removal	Treatment process:	rapid mix
Treatment obj:	particulate removal	Treatment process:	sludge treatment
Treatment obj:	particulate removal	Treatment process:	sedimentation
Treatment obj:	particulate removal	Treatment process:	flocculation
Treatment obj:	particulate removal	Treatment process:	coagulation
Treatment obj:	softening (hardness removal)	Treatment process:	ph adjustment, pre
Treatment obj:	taste / odor control	Treatment process:	permanganate

Facid:	554		
Facname:	TP403 - DEER VALLEY		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	disinfection	Treatment process:	gaseous chlorination, pre
Treatment obj:	organics removal	Treatment process:	aeration, packed tower
Treatment obj:	other	Treatment process:	fluoridation
Treatment obj:	particulate removal	Treatment process:	sludge treatment
Treatment obj:	particulate removal	Treatment process:	rapid mix
Treatment obj:	particulate removal	Treatment process:	filtration, pressure sand
Treatment obj:	particulate removal	Treatment process:	sedimentation
Treatment obj:	particulate removal	Treatment process:	flocculation
Treatment obj:	particulate removal	Treatment process:	coagulation
Treatment obj:	taste / odor control	Treatment process:	permanganate

Facid:	555		
Facname:	TP404 - VAL VISTA		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	corrosion control	Treatment process:	inhibitor, orthophosphate
Treatment obj:	disinfection	Treatment process:	gaseous chlorination, post
Treatment obj:	particulate removal	Treatment process:	rapid mix
Treatment obj:	particulate removal	Treatment process:	sedimentation
Treatment obj:	particulate removal	Treatment process:	flocculation
Treatment obj:	taste / odor control	Treatment process:	permanganate

Facid:	556		
Facname:	TP405 - UNION HILLS MOD I		
Facility type:	Treatment_plant	Activity code:	A
Treatment obj:	corrosion control	Treatment process:	inhibitor, orthophosphate
Treatment obj:	disinfection	Treatment process:	gaseous chlorination, post
Treatment obj:	organics removal	Treatment process:	aeration, packed tower
Treatment obj:	other	Treatment process:	fluoridation
Treatment obj:	taste / odor control	Treatment process:	permanganate

Facid:	557		
Facname:	XTP406 - UNION HILLS MOD II		
Facility type:	Treatment_plant	Activity code:	I
Treatment obj:	disinfection	Treatment process:	gaseous chlorination, post
Treatment obj:	other	Treatment process:	fluoridation
Treatment obj:	taste / odor control	Treatment process:	permanganate

Location Information:

Name:	PHOENIX CITY OF		
Pwstypcd:	CWS	Primsrccd:	SW
Popserved:	1500000		
Add1:	Not Reported		
Add2:	2474 S 22ND AVE		
City:	PHOENIX	State:	AZ
Zip:	85009	Phone:	602-262-1859
Cityserv:	PHOENIX	Cntyserv:	Maricopa
Stateserv:	AZ	Zipserv:	Not Reported

Enforcement Information:

Violation id:	9800	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	9700	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	9500	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	9400	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	9200	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	9100	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	8900	Orig cd:	S
Enf fy:	2007	Enf act date:	12/06/2006
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	8700	Orig cd:	S
Enf fy:	2007	Enf act date:	12/06/2006
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	8600	Orig cd:	S
Enf fy:	2007	Enf act date:	12/06/2006
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	8400	Orig cd:	S
Enf fy:	2007	Enf act date:	12/06/2006
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	8300	Orig cd:	S
Enf fy:	2007	Enf act date:	12/06/2006
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	8100	Orig cd:	S
Enf fy:	2007	Enf act date:	12/06/2006
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	8000	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	7700	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	7600	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	7400	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	7300	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	7100	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	7000	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	6800	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	6700	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	6500	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	6400	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	6200	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	6100	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	5900	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	5800	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	5700	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	5500	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	5400	Orig cd:	S
Enf fy:	2007	Enf act date:	12/06/2006
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	5200	Orig cd:	S
Enf fy:	2007	Enf act date:	12/06/2006
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	5000	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	4900	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	4700	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	4600	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	4400	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	4300	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	4100	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	4000	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	3900	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	3700	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	3600	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	3500	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	3300	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	3200	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	3100	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	2900	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	2800	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	2700	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	25212	Orig cd:	S
Enf fy:	2003	Enf act date:	06/30/2003
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	199	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	11500	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	11400	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	11200	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	11000	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	10800	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	10700	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	10500	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	10300	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	10100	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Enforcement Information:

Violation id:	10000	Orig cd:	S
Enf fy:	2007	Enf act date:	02/13/2007
Enf act detail:	St Compliance achieved	Enf act cat:	Resolving

Violations Information:

Violation id:	25212	Orig cd:	S
State:	AZ	Viol fy:	2002
Contamcd:	7000		
Contamnm:	Consumer Confidence Rule		
Viol code:	71		
Viol name:	CCR Complete Failure to Report		
Rule code:	420		
Rule name:	CCR		
Violmeasur:	Not Reported	Unitmeasur:	Not Reported
State mcl:	Not Reported	Cmpbdt:	07/01/2002
Cmpedt:	Not Reported		

PWS ID: AZ0407025
Date Initiated: Not Reported Date Deactivated: Not Reported
PWS Name: PHOENIX MUNIC WATER SYS
5204 EAST THOMAS RD
PHOENIX, AZ 85018

Addressee / Facility: System Owner/Responsible Party
PHOENIX WATER SERVICE DEPT
200 WEST WASHINGTON
PHOENIX, AZ 85003

Facility Latitude:	33 25 43.0000	Facility Longitude:	112 17 22.0000
Facility Latitude:	33 23 0.0000	Facility Longitude:	112 11 50.0000
Facility Latitude:	33 28 0.0000	Facility Longitude:	112 11 0.0000
Facility Latitude:	33 44 6.0000	Facility Longitude:	112 8 13.0000
Facility Latitude:	33 34 11.0000	Facility Longitude:	112 7 33.0000
Facility Latitude:	33 40 22.0000	Facility Longitude:	110 7 47.0000
Facility Latitude:	33 29 37.0000	Facility Longitude:	112 9 34.0000
Facility Latitude:	33 41 0.0000	Facility Longitude:	112 8 17.0000
Facility Latitude:	33 34 19.0000	Facility Longitude:	112 5 45.0000
Facility Latitude:	33 39 15.0000	Facility Longitude:	112 7 33.0000
Facility Latitude:	33 43 54.0000	Facility Longitude:	112 8 13.0000
City Served:	PHOENIX		
Treatment Class:	Untreated	Population:	1000000

Violations information not reported.

ENFORCEMENT INFORMATION:

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	1004	Contaminant:	O-DICHLOROBENZENE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	1004	Contaminant:	O-DICHLOROBENZENE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	10203	Contaminant:	HEXACHLOROBENZENE (HCB)
Viol. Type:	3		
Complperbe:	1/1/2002 0:00:00		
Complperen:	12/31/2002 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	10203	Contaminant:	HEXACHLOROBENZENE (HCB)
Viol. Type:	3		
Complperbe:	1/1/2002 0:00:00		
Complperen:	12/31/2002 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	10403	Contaminant:	BENZO (A) PYRENE
Viol. Type:	3		
Complperbe:	1/1/2002 0:00:00		
Complperen:	12/31/2002 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	10403	Contaminant:	BENZO (A) PYRENE
Viol. Type:	3		
Complperbe:	1/1/2002 0:00:00		
Complperen:	12/31/2002 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	10603	Contaminant:	PENTACHLOROPHENOL
Viol. Type:	3		
Complperbe:	1/1/2002 0:00:00		
Complperen:	12/31/2002 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	10603	Contaminant:	PENTACHLOROPHENOL
Viol. Type:	3		
Complperbe:	1/1/2002 0:00:00		
Complperen:	12/31/2002 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	10903	Contaminant:	1,2 DIBROMO-3-CHLOROPROPANE (DBCP)
Viol. Type:	3		
Complperbe:	1/1/2002 0:00:00		
Complperen:	12/31/2002 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	10903	Contaminant:	1,2 DIBROMO-3-CHLOROPROPANE (DBCP)
Viol. Type:	3		
Complperbe:	1/1/2002 0:00:00		
Complperen:	12/31/2002 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	1104	Contaminant:	P-DICHLOROBENZENE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	1104	Contaminant:	P-DICHLOROBENZENE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	11103	Contaminant:	ETHYLENE DIBROMIDE (EDB)
Viol. Type:	3		
Complperbe:	1/1/2002 0:00:00		
Complperen:	12/31/2002 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	11103	Contaminant:	ETHYLENE DIBROMIDE (EDB)
Viol. Type:	3		
Complperbe:	1/1/2002 0:00:00		
Complperen:	12/31/2002 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	11303	Contaminant:	CHLORDANE
Viol. Type:	3		
Complperbe:	1/1/2002 0:00:00		
Complperen:	12/31/2002 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	11303	Contaminant:	CHLORDANE
Viol. Type:	3		
Complperbe:	1/1/2002 0:00:00		
Complperen:	12/31/2002 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	11604	Contaminant:	ENDRIN
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	11604	Contaminant:	ENDRIN
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	11704	Contaminant:	BHC-GAMMA (LINDANE)
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	11704	Contaminant:	BHC-GAMMA (LINDANE)
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	11804	Contaminant:	METHOXYCHLOR
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	11804	Contaminant:	METHOXYCHLOR
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	11904	Contaminant:	TOXAPHENE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	11904	Contaminant:	TOXAPHENE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	12004	Contaminant:	DALAPON
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	12004	Contaminant:	DALAPON
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	1204	Contaminant:	1,1-DICHLOROETHYLENE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	1204	Contaminant:	1,1-DICHLOROETHYLENE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	12104	Contaminant:	DIQUAT
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	12104	Contaminant:	DIQUAT
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	12204	Contaminant:	ENDOTHALL
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	12204	Contaminant:	ENDOTHALL
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	12304	Contaminant:	GLYPHOSATE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	12304	Contaminant:	GLYPHOSATE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	12404	Contaminant:	DI (2-ETHYLHEXYL) ADIPATE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	12404	Contaminant:	DI (2-ETHYLHEXYL) ADIPATE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	12504	Contaminant:	OXAMYL (VYDATE)
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	12504	Contaminant:	OXAMYL (VYDATE)
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	12604	Contaminant:	SIMAZINE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	12604	Contaminant:	SIMAZINE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	12704	Contaminant:	DI (2-ETHYLHEXYL) PHTHALATE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	12704	Contaminant:	DI (2-ETHYLHEXYL) PHTHALATE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	12804	Contaminant:	PICLORAM
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	12804	Contaminant:	PICLORAM
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	1304	Contaminant:	TRANS-1,2-DICHLOROETHYLENE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	1304	Contaminant:	TRANS-1,2-DICHLOROETHYLENE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	13203	Contaminant:	CARBOFURAN
Viol. Type:	3		
Complperbe:	1/1/2002 0:00:00		
Complperen:	12/31/2004 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	13203	Contaminant:	CARBOFURAN
Viol. Type:	3		
Complperbe:	1/1/2002 0:00:00		
Complperen:	12/31/2004 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	13504	Contaminant:	2,3,7,8-TCDD (DIOXIN)
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	13504	Contaminant:	2,3,7,8-TCDD (DIOXIN)
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	13604	Contaminant:	HEPTACHLOR
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	13604	Contaminant:	HEPTACHLOR
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	13704	Contaminant:	HEPTACHLOR EPOXIDE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	13704	Contaminant:	HEPTACHLOR EPOXIDE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	13804	Contaminant:	2,4-D
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	13804	Contaminant:	2,4-D
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	13904	Contaminant:	2,4,5-TP (SILVEX)
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	13904	Contaminant:	2,4,5-TP (SILVEX)
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	14004	Contaminant:	HEXACHLOROBENZENE (HCB)
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	14004	Contaminant:	HEXACHLOROBENZENE (HCB)
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	1404	Contaminant:	1,2-DICHLOROETHANE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	1404	Contaminant:	1,2-DICHLOROETHANE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	14104	Contaminant:	BENZO (A) PYRENE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	14104	Contaminant:	BENZO (A) PYRENE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	14204	Contaminant:	PENTACHLOROPHENOL
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	14204	Contaminant:	PENTACHLOROPHENOL
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	14304	Contaminant:	1,2 DIBROMO-3-CHLOROPROPANE (DBCP)
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	14304	Contaminant:	1,2 DIBROMO-3-CHLOROPROPANE (DBCP)
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	14404	Contaminant:	ETHYLENE DIBROMIDE (EDB)
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	14404	Contaminant:	ETHYLENE DIBROMIDE (EDB)
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	14504	Contaminant:	CHLORDANE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	14504	Contaminant:	CHLORDANE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	14602	Contaminant:	SWTR
Viol. Type:	Treatment Technique (SWTR)		
Complperbe:	7/1/2002 0:00:00		
Complperen:	7/31/2002 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	14602	Contaminant:	SWTR
Viol. Type:	Treatment Technique (SWTR)		
Complperbe:	7/1/2002 0:00:00		
Complperen:	7/31/2002 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	14702	Contaminant:	SWTR
Viol. Type:	Treatment Technique (SWTR)		
Complperbe:	8/1/2002 0:00:00		
Complperen:	8/31/2002 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	14702	Contaminant:	SWTR
Viol. Type:	Treatment Technique (SWTR)		
Complperbe:	8/1/2002 0:00:00		
Complperen:	8/31/2002 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	14804	Contaminant:	SWTR
Viol. Type:	Treatment Technique (SWTR)		
Complperbe:	2/1/2004 0:00:00		
Complperen:	2/29/2004 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	14804	Contaminant:	SWTR
Viol. Type:	Treatment Technique (SWTR)		
Complperbe:	2/1/2004 0:00:00		
Complperen:	2/29/2004 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	14905	Contaminant:	COLIFORM (TCR)
Viol. Type:	Monitoring, Repeat Major (TCR)		
Complperbe:	9/1/2004 0:00:00		
Complperen:	9/30/2004 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	14905	Contaminant:	COLIFORM (TCR)
Viol. Type:	Monitoring, Repeat Major (TCR)		
Complperbe:	9/1/2004 0:00:00		
Complperen:	9/30/2004 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	1504	Contaminant:	1,1,1-TRICHLOROETHANE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	1504	Contaminant:	1,1,1-TRICHLOROETHANE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	15905	Contaminant:	0999
Viol. Type:	Monitoring and Reporting Stage 1		
Complperbe:	4/1/2005 0:00:00		
Complperen:	6/30/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	15905	Contaminant:	0999
Viol. Type:	Monitoring and Reporting Stage 1		
Complperbe:	4/1/2005 0:00:00		
Complperen:	6/30/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	1604	Contaminant:	CARBON TETRACHLORIDE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	1604	Contaminant:	CARBON TETRACHLORIDE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	16905	Contaminant:	TTHM
Viol. Type:	Monitoring and Reporting Stage 1		
Complperbe:	1/1/2004 0:00:00		
Complperen:	3/31/2004 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	16905	Contaminant:	TTHM
Viol. Type:	Monitoring and Reporting Stage 1		
Complperbe:	1/1/2004 0:00:00		
Complperen:	3/31/2004 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	17005	Contaminant:	2456
Viol. Type:	Monitoring and Reporting Stage 1		
Complperbe:	1/1/2004 0:00:00		
Complperen:	3/31/2004 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	17005	Contaminant:	2456
Viol. Type:	Monitoring and Reporting Stage 1		
Complperbe:	1/1/2004 0:00:00		
Complperen:	3/31/2004 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	1704	Contaminant:	1,2-DICHLOROPROPANE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	1704	Contaminant:	1,2-DICHLOROPROPANE
Viol. Type:	3		
Complperbe:	1/1/2003 0:00:00		
Complperen:	12/31/2005 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	17105	Contaminant:	AROCLOR 1260
Viol. Type:	3		
Complperbe:	1/1/2002 0:00:00		
Complperen:	12/31/2004 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	17105	Contaminant:	AROCLOR 1260
Viol. Type:	3		
Complperbe:	1/1/2002 0:00:00		
Complperen:	12/31/2004 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	17205	Contaminant:	AROCLOR 1254
Viol. Type:	3		
Complperbe:	1/1/2002 0:00:00		
Complperen:	12/31/2004 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	17205	Contaminant:	AROCLOR 1254
Viol. Type:	3		
Complperbe:	1/1/2002 0:00:00		
Complperen:	12/31/2004 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	17305	Contaminant:	AROCLOR 1248
Viol. Type:	3		
Complperbe:	1/1/2002 0:00:00		
Complperen:	12/31/2004 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	17305	Contaminant:	AROCLOR 1248
Viol. Type:	3		
Complperbe:	1/1/2002 0:00:00		
Complperen:	12/31/2004 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	17405	Contaminant:	AROCLOR 1242
Viol. Type:	3		
Complperbe:	1/1/2002 0:00:00		
Complperen:	12/31/2004 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	17405	Contaminant:	AROCLOR 1242
Viol. Type:	3		
Complperbe:	1/1/2002 0:00:00		
Complperen:	12/31/2004 0:00:00	Enfdate:	2/13/2007 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	17505	Contaminant:	AROCLOR 1232
Viol. Type:	3		
Complperbe:	1/1/2002 0:00:00		
Complperen:	12/31/2004 0:00:00	Enfdate:	12/6/2006 0:00:00
Enf action:	State Compliance Achieved		
Violmeasur:	Not Reported		

CONTACT INFORMATION:

Name:	PHOENIX CITY OF	Population:	1533582
Contact:	KINKADE, SUSAN	Phone:	602-262-5012
Address:	9TH FL		
Address 2:	200 W WASHINGTON PHOENIX, AZ 85003		

25
West
1/2 - 1 Mile
Lower

AZ WELLS **AZ7000000081715**

Program:	55	Registry i:	626272
Owner name:	PENINSULA-HOROWITZ,		
Rgr pump d:	NO	Welltype:	NON-EXEMPT
Well type :	NON-EXEMPT		
Dlic num:	0		
Approved:	Not Reported	Installed:	12/31/1975 12:00:00 AM
Well depth:	6		
Water leve:	2		
Casing dep:	6		
Casing dia:	36		

Casing typ:	POROUS CONCRETE		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	3500		
Testedrate:	0		
Draw down:	0		
Completion:	Not Reported	Drill log:	Not Reported
Well cance:	Not Reported	Cadastral:	D01002006BBA
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	D
Whole town:	1		
Half towns:	0		
Northsouth:	S		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	6		
Quarter 16:	B	Qacre160di:	NW
Quarter 40:	B	Qacre40dir:	NW
Quarter 10:	A	Qacre10dir:	NE
Utm x mete:	388381.3		
Utm y mete:	3693663		
Applicatio:	6/14/1982 12:00:00 AM	Site id:	AZ7000000081715

26
SSW **AZ WELLS** **AZ7000000080766**
1/2 - 1 Mile
Higher

Program:	55	Registry i:	611333
Owner name:	KLAUS FOREST		
Rgr pump d:	NO	Welltype:	NON-EXEMPT
Well type :	NON-EXEMPT		
Dlic num:	0		
Approved:	Not Reported	Installed:	Not Reported
Well depth:	300		
Water leve:	75		
Casing dep:	0		
Casing dia:	6		
Casing typ:	NO CASING CODE LISTED		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	0		
Testedrate:	0		
Draw down:	0		
Completion:	Not Reported	Drill log:	Not Reported
Well cance:	Not Reported	Cadastral:	D01002006D00
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	D
Whole town:	1		
Half towns:	0		
Northsouth:	S		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	6		
Quarter 16:	D	Qacre160di:	SE
Quarter 40:	0	Qacre40dir:	Not Reported
Quarter 10:	0	Qacre10dir:	Not Reported

Utm x mete:	389248.8		
Utm y mete:	3692546		
Applicatio:	6/3/1982 12:00:00 AM	Site id:	AZ7000000080766

27
NW
1/2 - 1 Mile
Lower

AZ WELLS **AZ7000000083040**

Program:	55	Registry i:	521999
Owner name:	RICHARDS, SHARON,		
Rgr pump d:	NO	Welltype:	DOMESTIC STOCK EXEMPT
Well type :	EXEMPT		
Dlic num:	113		
Approved:	Not Reported	Installed:	4/11/1989 12:00:00 AM
Well depth:	625		
Water leve:	62		
Casing dep:	625		
Casing dia:	10		
Casing typ:	STEEL - PERFORATED OR SLOTTED CASING		
Pump type:	SUBMERSIBLE		
Pump power:	ELECTRIC MOTOR 1 - 5 HP		
Pumprate:	10		
Testedrate:	10		
Draw down:	190		
Completion:	X	Drill log:	X
Well cance:	Not Reported	Cadastral:	A01002031BDA
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	A
Whole town:	1		
Half towns:	0		
Northsouth:	N		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	31		
Quarter 16:	B	Qacre160di:	NW
Quarter 40:	D	Qacre40dir:	SE
Quarter 10:	A	Qacre10dir:	NE
Utm x mete:	388842.2		
Utm y mete:	3694863		
Applicatio:	8/8/1988 12:00:00 AM	Site id:	AZ7000000083040

28
West
1/2 - 1 Mile
Lower

AZ WELLS **AZ7000000082018**

Program:	55	Registry i:	570053
Owner name:	ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY		
Rgr pump d:	NO	Welltype:	PIEZOMETER
Well type :	MONITOR		
Dlic num:	685		
Approved:	12/10/1998 12:00:00 AM	Installed:	1/5/1999 12:00:00 AM
Well depth:	600		
Water leve:	0		
Casing dep:	600		
Casing dia:	6		

Casing typ:	STEEL - PERFORATED OR SLOTTED CASING		
Pump type:	Not Reported		
Pump power:	Not Reported		
Pumprate:	0		
Testedrate:	0		
Draw down:	0		
Completion:	A	Drill log:	X
Well cance:	Y	Cadastral:	A01002031CCC
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	A
Whole town:	1		
Half towns:	0		
Northsouth:	N		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	31		
Quarter 16:	C	Qacre160di:	SW
Quarter 40:	C	Qacre40dir:	SW
Quarter 10:	C	Qacre10dir:	SW
Utm x mete:	388250.1		
Utm y mete:	3693864		
Applicatio:	7/31/1998 12:00:00 AM	Site id:	AZ7000000082018

F29
NW
1/2 - 1 Mile
Lower

AZ WELLS **AZ7000000083036**

Program:	55	Registry i:	515962
Owner name:	THOMPSON, DALE,S		
Rgr pump d:	NO	Welltype:	DOMESTIC STOCK EXEMPT
Well type :	EXEMPT		
Dlic num:	331		
Approved:	Not Reported	Installed:	Not Reported
Well depth:	0		
Water leve:	0		
Casing dep:	0		
Casing dia:	0		
Casing typ:	NO CASING CODE LISTED		
Pump type:	SUBMERSIBLE		
Pump power:	ELECTRIC MOTOR 1 - 5 HP		
Pumprate:	10		
Testedrate:	10		
Draw down:	60		
Completion:	Not Reported	Drill log:	Not Reported
Well cance:	Y	Cadastral:	A01002031BDB
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	A
Whole town:	1		
Half towns:	0		
Northsouth:	N		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	31		
Quarter 16:	B	Qacre160di:	NW
Quarter 40:	D	Qacre40dir:	SE
Quarter 10:	B	Qacre10dir:	NW

Utm x mete:	388641.1		
Utm y mete:	3694864		
Applicatio:	10/30/1986 12:00:00 AM	Site id:	AZ7000000083036

F30
NW
1/2 - 1 Mile
Lower

AZ WELLS **AZ7000000083035**

Program:	55	Registry i:	516215
Owner name:	THOMPSON, DALE,S		
Rgr pump d:	NO	Welltype:	DOMESTIC STOCK EXEMPT
Well type :	EXEMPT		
Dlic num:	106		
Approved:	Not Reported	Installed:	6/7/1987 12:00:00 AM
Well depth:	600		
Water leve:	16		
Casing dep:	603		
Casing dia:	8		
Casing typ:	STEEL - PERFORATED OR SLOTTED CASING		
Pump type:	SUBMERSIBLE		
Pump power:	ELECTRIC MOTOR 1 - 5 HP		
Pumprate:	10		
Testedrate:	10		
Draw down:	60		
Completion:	X	Drill log:	X
Well cance:	Not Reported	Cadastral:	A01002031BDB
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	A
Whole town:	1		
Half towns:	0		
Northsouth:	N		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	31		
Quarter 16:	B	Qacre160di:	NW
Quarter 40:	D	Qacre40dir:	SE
Quarter 10:	B	Qacre10dir:	NW
Utm x mete:	388641.1		
Utm y mete:	3694864		
Applicatio:	12/17/1986 12:00:00 AM	Site id:	AZ7000000083035

F31
NW
1/2 - 1 Mile
Lower

AZ WELLS **AZ7000000083038**

Program:	55	Registry i:	563601
Owner name:	TIETJE, RUDOLPH,W		
Rgr pump d:	NO	Welltype:	EXEMPT
Well type :	EXEMPT		
Dlic num:	427		
Approved:	Not Reported	Installed:	Not Reported
Well depth:	0		
Water leve:	0		
Casing dep:	0		
Casing dia:	0		

Casing typ:	NO CASING CODE LISTED		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	0		
Testedrate:	0		
Draw down:	0		
Completion:	Not Reported	Drill log:	Not Reported
Well cance:	Not Reported	Cadastral:	A01002031BDB
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	A
Whole town:	1		
Half towns:	0		
Northsouth:	N		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	31		
Quarter 16:	B	Qacre160di:	NW
Quarter 40:	D	Qacre40dir:	SE
Quarter 10:	B	Qacre10dir:	NW
Utm x mete:	388641.1		
Utm y mete:	3694864		
Applicatio:	6/30/1997 12:00:00 AM	Site id:	AZ7000000083038

F32
NW
1/2 - 1 Mile
Lower

AZ WELLS **AZ7000000083037**

Program:	55	Registry i:	516579
Owner name:	JOHNSON, NORMAN,		
Rgr pump d:	NO	Welltype:	DOMESTIC STOCK EXEMPT
Well type :	EXEMPT		
Dlic num:	106		
Approved:	Not Reported	Installed:	Not Reported
Well depth:	0		
Water leve:	0		
Casing dep:	0		
Casing dia:	0		
Casing typ:	NO CASING CODE LISTED		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	0		
Testedrate:	0		
Draw down:	0		
Completion:	Not Reported	Drill log:	Not Reported
Well cance:	Y	Cadastral:	A01002031BDB
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	A
Whole town:	1		
Half towns:	0		
Northsouth:	N		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	31		
Quarter 16:	B	Qacre160di:	NW
Quarter 40:	D	Qacre40dir:	SE
Quarter 10:	B	Qacre10dir:	NW

Utm x mete:	388641.1		
Utm y mete:	3694864		
Applicatio:	1/23/1987 12:00:00 AM	Site id:	AZ7000000083037

G33
North
1/2 - 1 Mile
Higher

AZ WELLS **AZ7000000083445**

Program:	55	Registry i:	607697
Owner name:	SALT RIVER PROJECT,		
Rgr pump d:	YES	Welltype:	NON-EXEMPT
Well type :	NON-EXEMPT		
Dlic num:	0		
Approved:	Not Reported	Installed:	12/28/1956 12:00:00 AM
Well depth:	600		
Water leve:	89		
Casing dep:	584		
Casing dia:	24		
Casing typ:	STEEL - PERFORATED OR SLOTTED CASING		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	4895		
Testedrate:	0		
Draw down:	0		
Completion:	Not Reported	Drill log:	Not Reported
Well cance:	Not Reported	Cadastral:	A01002031AAA
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	A
Whole town:	1		
Half towns:	0		
Northsouth:	N		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	31		
Quarter 16:	A	Qacre160di:	NE
Quarter 40:	A	Qacre40dir:	NE
Quarter 10:	A	Qacre10dir:	NE
Utm x mete:	389644.2		
Utm y mete:	3695261		
Applicatio:	5/18/1982 12:00:00 AM	Site id:	AZ7000000083445

G34
North
1/2 - 1 Mile
Higher

AZ WELLS **AZ7000000083446**

Program:	55	Registry i:	626269
Owner name:	PENINSULA-HOROWITZ,		
Rgr pump d:	YES	Welltype:	NON-EXEMPT
Well type :	NON-EXEMPT		
Dlic num:	0		
Approved:	Not Reported	Installed:	1/1/1930 12:00:00 AM
Well depth:	400		
Water leve:	20		
Casing dep:	400		
Casing dia:	20		

Casing typ:	STEEL - PERFORATED OR SLOTTED CASING		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	4500		
Testedrate:	4500		
Draw down:	0		
Completion:	Not Reported	Drill log:	Not Reported
Well cance:	Not Reported	Cadastral:	A01002031AAA
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	A
Whole town:	1		
Half towns:	0		
Northsouth:	N		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	31		
Quarter 16:	A	Qacre160di:	NE
Quarter 40:	A	Qacre40dir:	NE
Quarter 10:	A	Qacre10dir:	NE
Utm x mete:	389644.2		
Utm y mete:	3695261		
Applicatio:	6/14/1982 12:00:00 AM	Site id:	AZ7000000083446

35
North
1/2 - 1 Mile
Higher

AZ WELLS **AZ7000000083440**

Program:	55	Registry i:	804007
Owner name:	POHLCAT MOUNTAINVIEW,		
Rgr pump d:	NO	Welltype:	EXEMPT
Well type :	EXEMPT		
Dlic num:	0		
Approved:	Not Reported	Installed:	1/1/1980 12:00:00 AM
Well depth:	0		
Water leve:	35		
Casing dep:	0		
Casing dia:	8		
Casing typ:	STEEL - PERFORATED OR SLOTTED CASING		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	30		
Testedrate:	0		
Draw down:	0		
Completion:	Not Reported	Drill log:	Not Reported
Well cance:	Not Reported	Cadastral:	A01002032BBB
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	A
Whole town:	1		
Half towns:	0		
Northsouth:	N		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	32		
Quarter 16:	B	Qacre160di:	NW
Quarter 40:	B	Qacre40dir:	NW
Quarter 10:	B	Qacre10dir:	NW

Utm x mete:	389845.1		
Utm y mete:	3695257		
Applicatio:	10/9/1986 12:00:00 AM	Site id:	AZ7000000083440

H36
East
1/2 - 1 Mile
Higher

AZ WELLS **AZ7000000081720**

Program:	55	Registry i:	804009
Owner name:	ESTRELLA MOUNTAIN VILLAGE LLC		
Rgr pump d:	YES	Welltype:	NON-EXEMPT
Well type :	NON-EXEMPT		
Dlic num:	572		
Approved:	Not Reported	Installed:	1/1/1980 12:00:00 AM
Well depth:	0		
Water leve:	0		
Casing dep:	0		
Casing dia:	20		
Casing typ:	STEEL - PERFORATED OR SLOTTED CASING		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	1870		
Testedrate:	0		
Draw down:	0		
Completion:	A	Drill log:	Not Reported
Well cance:	Y	Cadastral:	D01002005AAA
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	D
Whole town:	1		
Half towns:	0		
Northsouth:	S		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	5		
Quarter 16:	A	Qacre160di:	NE
Quarter 40:	A	Qacre40dir:	NE
Quarter 10:	A	Qacre10dir:	NE
Utm x mete:	391148.4		
Utm y mete:	3693639		
Applicatio:	10/9/1986 12:00:00 AM	Site id:	AZ7000000081720

37
South
1/2 - 1 Mile
Higher

AZ WELLS **AZ7000000080421**

Program:	55	Registry i:	625040
Owner name:	WILLIAMS,J M		
Rgr pump d:	YES	Welltype:	NON-EXEMPT
Well type :	NON-EXEMPT		
Dlic num:	0		
Approved:	Not Reported	Installed:	1/1/1977 12:00:00 AM
Well depth:	303		
Water leve:	45		
Casing dep:	304		
Casing dia:	16		

Casing typ:	STEEL - PERFORATED OR SLOTTED CASING		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	3500		
Testedrate:	3500		
Draw down:	0		
Completion:	Not Reported	Drill log:	Not Reported
Well cance:	Not Reported	Cadastral:	D01002006DDD
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	D
Whole town:	1		
Half towns:	0		
Northsouth:	S		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	6		
Quarter 16:	D	Qacre160di:	SE
Quarter 40:	D	Qacre40dir:	SE
Quarter 10:	D	Qacre10dir:	SE
Utm x mete:	389533.4		
Utm y mete:	3692240		
Applicatio:	6/14/1982 12:00:00 AM	Site id:	AZ7000000080421

38
SSW **AZ WELLS** **AZ7000000080619**
1/2 - 1 Mile
Higher

Program:	55	Registry i:	621135
Owner name:	VANDERWEY, JOHN,A		
Rgr pump d:	YES	Welltype:	NON-EXEMPT
Well type :	NON-EXEMPT		
Dlic num:	0		
Approved:	Not Reported	Installed:	7/1/1969 12:00:00 AM
Well depth:	320		
Water leve:	100		
Casing dep:	300		
Casing dia:	8		
Casing typ:	STEEL - PERFORATED OR SLOTTED CASING		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	60		
Testedrate:	60		
Draw down:	0		
Completion:	Not Reported	Drill log:	Not Reported
Well cance:	Not Reported	Cadastral:	D01002006DC0
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	D
Whole town:	1		
Half towns:	0		
Northsouth:	S		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	6		
Quarter 16:	D	Qacre160di:	SE
Quarter 40:	C	Qacre40dir:	SW
Quarter 10:	0	Qacre10dir:	Not Reported

Utm x mete:	389051.5		
Utm y mete:	3692344		
Applicatio:	6/14/1982 12:00:00 AM	Site id:	AZ7000000080619

I39
ESE
1/2 - 1 Mile
Higher

AZ WELLS **AZ7000000081568**

Program:	55	Registry i:	624171
Owner name:	GREYSTONE HOMES		
Rgr pump d:	YES	Welltype:	NON-EXEMPT
Well type :	NON-EXEMPT		
Dlic num:	572		
Approved:	Not Reported	Installed:	1/1/1967 12:00:00 AM
Well depth:	1100		
Water leve:	45		
Casing dep:	1100		
Casing dia:	8		
Casing typ:	STEEL - PERFORATED OR SLOTTED CASING		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	60		
Testedrate:	60		
Draw down:	0		
Completion:	A	Drill log:	Not Reported
Well cance:	Y	Cadastral:	D01002005AAD
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	D
Whole town:	1		
Half towns:	0		
Northsouth:	S		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	5		
Quarter 16:	A	Qacre160di:	NE
Quarter 40:	A	Qacre40dir:	NE
Quarter 10:	D	Qacre10dir:	SE
Utm x mete:	391147.4		
Utm y mete:	3693438		
Applicatio:	6/11/1982 12:00:00 AM	Site id:	AZ7000000081568

I40
ESE
1/2 - 1 Mile
Higher

AZ WELLS **AZ7000000081569**

Program:	55	Registry i:	624172
Owner name:	GREYSTONE HOMES		
Rgr pump d:	YES	Welltype:	NON-EXEMPT
Well type :	NON-EXEMPT		
Dlic num:	572		
Approved:	Not Reported	Installed:	Not Reported
Well depth:	0		
Water leve:	45		
Casing dep:	0		
Casing dia:	8		

Casing typ:	STEEL - PERFORATED OR SLOTTED CASING		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	200		
Testedrate:	0		
Draw down:	0		
Completion:	A	Drill log:	Not Reported
Well cance:	Y	Cadastral:	D01002005AAD
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	D
Whole town:	1		
Half towns:	0		
Northsouth:	S		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	5		
Quarter 16:	A	Qacre160di:	NE
Quarter 40:	A	Qacre40dir:	NE
Quarter 10:	D	Qacre10dir:	SE
Utm x mete:	391147.4		
Utm y mete:	3693438		
Applicatio:	6/11/1982 12:00:00 AM	Site id:	AZ7000000081569

J41
WNW
1/2 - 1 Mile
Lower

AZ WELLS **AZ7000000082565**

Program:	55	Registry i:	219162
Owner name:	CITY OF PHOENIX		
Rgr pump d:	NO	Welltype:	NON-EXEMPT
Well type :	NON-EXEMPT		
Dlic num:	161		
Approved:	Not Reported	Installed:	Not Reported
Well depth:	0		
Water leve:	0		
Casing dep:	0		
Casing dia:	0		
Casing typ:	Not Reported		
Pump type:	Not Reported		
Pump power:	Not Reported		
Pumprate:	0		
Testedrate:	0		
Draw down:	0		
Completion:	Not Reported	Drill log:	Not Reported
Well cance:	Not Reported	Cadastral:	A01002031CBB
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	A
Whole town:	1		
Half towns:	0		
Northsouth:	N		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	31		
Quarter 16:	C	Qacre160di:	SW
Quarter 40:	B	Qacre40dir:	NW
Quarter 10:	B	Qacre10dir:	NW

Utm x mete:	388243.4		
Utm y mete:	3694465		
Applicatio:	1/22/2010 12:00:00 AM	Site id:	AZ7000000082565

J42
WNW
1/2 - 1 Mile
Lower

AZ WELLS **AZ7000000082566**

Program:	55	Registry i:	623534
Owner name:	CITY OF PHOENIX WATER SERVICES		
Rgr pump d:	YES	Welltype:	NON-EXEMPT
Well type :	NON-EXEMPT		
Dlic num:	215		
Approved:	Not Reported	Installed:	9/1/1973 12:00:00 AM
Well depth:	505		
Water leve:	0		
Casing dep:	205		
Casing dia:	14		
Casing typ:	NO CASING CODE LISTED		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	150		
Testedrate:	150		
Draw down:	0		
Completion:	A	Drill log:	Not Reported
Well cance:	Y	Cadastral:	A01002031CBB
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	A
Whole town:	1		
Half towns:	0		
Northsouth:	N		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	31		
Quarter 16:	C	Qacre160di:	SW
Quarter 40:	B	Qacre40dir:	NW
Quarter 10:	B	Qacre10dir:	NW
Utm x mete:	388243.4		
Utm y mete:	3694465		
Applicatio:	6/11/1982 12:00:00 AM	Site id:	AZ7000000082566

H43
East
1/2 - 1 Mile
Higher

FED USGS **USGS40000053165**

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-332238112100801		
Monloc name:	D-01-02 05AAA2		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15060106	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.3772669
Longitude:	-112.169595	Sourcemap scale:	24000

Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	1010.
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	1940	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 20

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1976-12-22	36.2		1976-02-05	32.2	
1974-01-17	21.8		1973-01-18	33	
1972-02-11	34		1970-01-29	27.8	
1969-01-29	25		1968-01-12	34.86	
1967-01-24	29.87		1966-01-22	40.49	
1965-01-22	47.69		1964-02-14	47.47	
1963-02-01	45.35		1962-01-31	46.11	
1961-02-27	45.87		1960-02-03	49.29	
1959-01-09	45.10		1958-01-13	45.25	
1957-02-05	41.13		1956-01-11	38.02	

G44
North
1/2 - 1 Mile
Higher

FED USGS **USGS40000053430**

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-332330112110601		
Monloc name:	A-01-02 31AAA		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15060106	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.3917109
Longitude:	-112.1857068	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	1006.
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	156
Welldepth units:	ft	Wellholedepth:	156
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 35

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1991-11-13	41.80				
1989-08-04	96.10				
Note: The site was being pumped.					
1982-12-13	33.70		1981-01	24	
1980-05-12	24		1980-04-30	25	
1980-03-19	21		1980-03-11	22	
1980-02-26	22		1980-02-06	26	
1980-01-30	34		1979-12-20	27	
1979-06-05	27		1979-05-22	23	
1979-05-15	23		1979-05-08	29	
1979-04-11	20		1979-04-10	20	
1979-03-20	34		1979-03-13	25	
1979-02-27	26		1979-02-20	25	
1979-02-13	26		1979-01-30	30	
1979-01-23	28		1979-01-16	30	
1979-01-09	30		1979-01-02	30	
1979-01	34		1978-12-26	28	
1978-12-21	35		1978-12-18	34	
1978-02	65		1973-01	42	
1930-01-22	15.00				

45
WNW
1/2 - 1 Mile
Lower

FED USGS **USGS40000053293**

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-332249112120901		
Monloc name:	A-01-01 36DDA		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15060106	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.3803221
Longitude:	-112.2032072	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	996.
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	1944	Welldepth:	260
Welldepth units:	ft	Wellholedepth:	260
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 10

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1991-12-02	25.80		1982-12-13	23.10	

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1967-01-29	33.13		1964-02-14	50.36	
1963-02-01	49.4		1962-01-31	50.28	
1960-02-03	50.38		1959-01-09	46.84	
1958-01-13	47.00		1957-02-07	44.38	

H46
East
1/2 - 1 Mile
Higher

FED USGS **USGS40000053164**

Org. Identifier:	USGS-AZ		
Formal name:	USGS Arizona Water Science Center		
Monloc Identifier:	USGS-332238112100701		
Monloc name:	D-01-02 05AAA1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	15060106	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	33.3772669
Longitude:	-112.1693172	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	1009.
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	194707	Welldepth:	120
Welldepth units:	ft	Wellholedepth:	120
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

47
ESE
1/2 - 1 Mile
Higher

AZ WELLS **AZ7000000081351**

Program:	55	Registry i:	626448
Owner name:	CHEATHAM,D H		
Rgr pump d:	NO	Welltype:	NON-EXEMPT
Well type :	NON-EXEMPT		
Dlic num:	0		
Approved:	Not Reported	Installed:	1/1/1915 12:00:00 AM
Well depth:	100		
Water leve:	75		
Casing dep:	100		
Casing dia:	6		

Casing typ:	STEEL - PERFORATED OR SLOTTED CASING		
Pump type:	NO PUMP CODE LISTED		
Pump power:	NO POWER CODE LISTED		
Pumprate:	25		
Testedrate:	25		
Draw down:	0		
Completion:	Not Reported	Drill log:	Not Reported
Well cance:	Not Reported	Cadastral:	D01002005ADA
County:	MARICOPA	Watershed:	SALT RIVER
Basin name:	PHOENIX AMA	Subbasin n:	WEST SALT RIVER VALLEY
Ama:	PHOENIX	Quad code:	D
Whole town:	1		
Half towns:	0		
Northsouth:	S		
Whole rang:	2		
Half range:	0		
Eastwest:	E		
Section:	5		
Quarter 16:	A	Qacre160di:	NE
Quarter 40:	D	Qacre40dir:	SE
Quarter 10:	A	Qacre10dir:	NE
Utm x mete:	391145.4		
Utm y mete:	3693237		
Applicatio:	6/11/1982 12:00:00 AM	Site id:	AZ7000000081351

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for MARICOPA 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 MARICOPA COUNTY, AZ

Number of sites tested: 695

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.697 pCi/L	93%	7%	0%
Living Area - 2nd Floor	3.640 pCi/L	80%	20%	0%
Basement	2.242 pCi/L	79%	21%	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

FILE REVIEW AND INTERVIEW DOCUMENTATION

City of Phoenix
PLANNING & DEVELOPMENT DEPARTMENT

Dedication Application
Attachment 1

This form is used to file an application for dedication of an easement and/or right-of-way with the city of Phoenix Planning & Development Department. Consultation with city staff at the Site Development Counter on the 2nd Floor of City Hall is required before application submittal.

1. Please check one of the following:

☐ Drainage Easement	☐ Sidewalk Easement	☐ Landscape Easement
☐ Public Utility Easement	☐ Water Easement	☒ Roadway Dedication
☐ Temporary Turn Around	☐ Sewer Easement	☐ Vehicular Non-Access Easement

☐ Other _____

Location: SWC 59th Ave & Baseline (300-02-923 & 300-02-001U)

Property Owner(s) Laveen Baseline, LLC

Address: 1707 E. Highland, Suite 100 City: Phoenix State: AZ Zip: 85016

2. Submittal Requirements
   - ☐ An approved Easement/right-of-way drawing (See form titled "Drawing-Example")
   - ☐ Complete questionnaire (See form titled "Questionnaire" – Attachment 2)
   - ☐ Legal Description of property and easement/right-of-way
   - ☐ Phase 1 Environmental Report and signed Environmental Assessment Declaration Form.

3. Fee Information (All fees are pursuant to the current Fee Schedule/Appendix A.2. of the Phoenix City Code.)
   ☐ Non-Residential / All other dedications ☐ Single-Family

4. Contact Information
   A contact person should be available to answer questions and be responsible for delivering City documents to the property owners(s) for signature and returning the signed documents to the city's Real Estate office. P&D will not release construction permits until the owner has signed the dedication documents, had them notarized, and returned them to the city's Real Estate Division. Water and Sewer permits relating to these right-of-way and easement requests cannot be issued until the acquisition process is complete. Upon notification by Real Estate that the documents are ready for the owner to sign and notarize, the applicant will have 30 days to return the signed documents or make special arrangements. Otherwise the application becomes void.

Contact Name: Brad Anderson
Address: 1707 E. Highland, Suite 100 City: Phoenix, State: AZ Zip 85016
Phone: 602-631-6101 Fax: 602-264-6133
Email: banderson@kitchell.com

"I have read the dedication instructions and understand the terms of this application. The information provided in this application is true and correct to the best of my knowledge."

Signature of Applicant: _____ Date: 9/10/18

----------**Staff Only**----------

Dedication Application Number: DEDI: _____ KIVA #: _____

Staff Initials: _____ Reviewers Initials: _____ Date: _____ Fee: _____

An applicant may receive a clarification from the city of its interpretation or application of a statute, ordinance, code or authorized substantive policy statement. To request clarification or to obtain further information on the application process and applicable review time frames, please call 602-262-7811 or visit our website at http://phoenix.gov/pdd/licensetimes.html. This publication can be made available in alternate formats (Braille, large print, or digital media) upon request. Contact Planning & Development at (602) 262-7811 voice or (602) 534-5500 TTY.

City of Phoenix
PLANNING & DEVELOPMENT DEPARTMENT

Dedication Application
Attachment 2

Please answer the following questions to the best of your knowledge, attaching additional sheets, if necessary. Submit responses with your dedication application.

When did you purchase the property (Month/Date/Year)? 2009

Please list the previous owners, or indicate "unknown". John Paye

What was the previous land use at the site? AG

Please answer the following:

YES	NO	DON'T KNOW	
☐	☒	☐	Are or were underground storage tanks located on the site? If yes, please describe; (i.e., size, date installed, date abandoned or removed).
☐	☐	☒	Were other materials, including fill, ever disposed of at this site? Please describe.
☐	☐	☒	Are there any existing or abandoned dry wells (drains) or water supply wells on the site?
☐	☒	☐	Is the site currently under investigation by a regulatory agency or out of compliance with any regulatory order? If so, which agency or order?
☐	☐	☒	Have any soil or water samples from this site been collected and analyzed? If yes, by whom and are these analyses presently available? Please describe.

List and describe any items used in the business activity related to this property, i.e., solvents, chemicals, or oils, and how they were stored, applied, generated, or discarded on the site. Attach additional sheets to this questionnaire if necessary.

Property Owner Signature: _____

An applicant may receive a clarification from the city of its interpretation or application of a statute, ordinance, code or authorized substantive policy statement. To request clarification or to obtain further information on the application process and applicable review time frames, please call 602-262-7811 or visit our website at http://phoenix.gov/pdd/licensetimes.html. This publication can be made available in alternate formats (Braille, large print, or digital media) upon request. Contact Planning & Development at (602) 262-7811 voice or (602) 534-5500 TTY.

AGRICULTURAL LEASE

EFFECTIVE DATE: January 1, 2018

LESSOR: Laveen Baseline, LLC
c/o Kitchell Development Company
1707 E. Highland Ave., Suite 100
Phoenix, Arizona 85016
Attn: Brad Anderson
Phone: 602-631-6101

LESSEE: Carver Mountain Enterprises,
an Arizona general partnership
4650 W. Dobbins Road
Laveen, Arizona 85339
Attn: Stephen H. Williams
Phone: (602) 237-4401

RECITALS:

Lessor desires to lease the below described real property to Lessee on the terms and subject to the conditions set forth in this Agricultural Lease ("Lease").

WITNESSETH:

In consideration of the mutual promises hereinafter contained, Lessee and Lessor covenant and agree as follows:

1. Leased Premises. Lessee does hereby rent and hire from Lessor that real property situated at approximately the southwest corner of 59th Avenue and Baseline Road, Phoenix, Maricopa County, Arizona, together with improvements thereon and appurtenances thereto comprised of approximately 12.7 acres total, and described in tax parcel #300-02-923 which is sometimes hereinafter referred to as the "Leased Premises".

2. Term.

A. Unless sooner terminated as herein provided, the term of this Lease shall be for a period of eight (8) months effective as of January 1, 2018 and terminating on August 31, 2018 (the "Term"), subject to Lessor's early termination right set forth below. For the avoidance of doubt, on or before August 31, 2018 all crops on the Leased Premises must be completely and finally harvested and Tenant shall disc the remaining root stubble on the Leased Premises. Lessor shall not be required to pay any amount to Lessee with respect to any crop remaining on the Leased Premises after the end of the Term.

B. Lessor shall have the right to terminate this Lease as to all or any part of the Leased Premises at any time upon thirty (30) days prior written notice to Lessee (a "Lessor Termination Notice"), effective on the last day of the calendar month after such notice. If Lessor

has elected to terminate this Lease, then Lessee shall have until August 31, 2018 to complete harvesting all crops then exiting on the Leased Premises and thereafter disc the remaining root stubble on the Leased Premises. For the avoidance of doubt, if Lessor provides a Lessor Termination Notice on June 1, 2018 the Lease shall terminate 30 days later but Lessor shall permit Lessee to complete harvesting any crop then growing and thereafter disc the remaining root stubble on the Leased Premises by no later than August 31, 2018. Lessor shall not be required to pay any amount to lessee on account of such termination.

3. Rental.

A. $100.00 for the Term; payable in advance on or before January 1, 2018 – Lessor herby acknowledges receipt of such pre-payment.

4. Condition of Leased Premises; Use.

A. Lessee is familiar with the Leased Premises, having leased the Premises during previous years and inspected the same, and is leasing the Leased Premises strictly in "AS IS" condition, and Lessee agrees to bear all risks regarding all attributes and conditions, latent or otherwise, of the Leased Premises. Lessor makes no representations or warranties whatsoever, express or implied, with respect to any aspect of the Leased Premises.

B. Lessee, during the term of this Lease, shall use the Leased Premises only for farming; shall plant the same with crops in accordance with good and accepted farming practices; shall operate same in a good and workmanlike manner consistent with accepted standards for similar operations in Maricopa County; and shall commit no waste thereon or thereto. Lessee shall be solely responsible for any and all costs associated with the use of the Leased Premises, except that Lessor shall pay any real property taxes assessed on the Leased Premises.

C. No residential dwellings or structures of any kind may be placed on the Leased Premises at any time during the Term. Lessee shall not install or construct any other improvements or additions to, upon or under the Leased Premises.

D. Lessee shall keep all fences, farm roads, irrigation ditches and equipment located upon the Leased Premises, in a good state of repair, and Lessee shall generally operate and maintain the Leased Premises at its expense in a good and farmerlike manner. Irrigation ditches shall, at all times, be dirted, maintained and sterilized with appropriate herbicides. Lessee shall keep any property not under cultivation free of weeds and grasses.

E. Lessee shall not allow erosion to occur on any portion of the Leased Premises.

F. Lessee may, at Lessee's expense, make on-farm improvements with the approval of Lessor, such approval not to be unreasonably withheld.

5. Water.

A. Lessee shall pay all charges for water used, including all charges of the Salt River Valley Water Users' Association, and any and all charges for any power required to pump irrigation water. Lessor shall have the right, but not the obligation, to make any water

payments and when so paid by Lessor, such sum shall be forthwith repaid by Lessee, together with interest thereon at the rate of eighteen (18%) percent per annum until paid. Lessee agrees to act in such a way as to protect any existing water usage rights appurtenant to the Leased Premises. In addition, Lessee will use any water rights for the Leased Premises only and will not sell such water, transport it off the Leased Premises or contract to do any of the foregoing.

B. Lessee shall be entitled to use all water made available to the Leased Premises during the term of this Lease; provided, however, the Lessee shall stay within the water allotment as may be determined by the Arizona Department of Water Resources for the Leased Premises.

6. Financing of Crops.

A. Lessor agrees that Lessee may obtain financing for production and harvesting of crops to be grown on the Leased Premises by granting a security interest in such crops. Lessor agrees to execute any necessary crop lien subordination agreements or other required documents necessary to facilitate such financing subject to the limitation that Lessee shall not permit any lien or encumbrances of any kind whatsoever created by Lessee's acts or omissions to be placed upon or encumber the Leased Premises nor shall such documents after Lessor's right to terminate this Lease as provided herein. Lessor shall not be liable for any debts or liabilities contacted or incurred by Lessee. Lessee shall, at its sole cost and expense, cause said lien to be discharged and defend against any action brought to foreclose said lien and shall indemnify and hold Lessor from any other damages which result from the filing of such lien.

B. Lessee shall not cause or permit any lien to be filed against the Leased Premises. Any liens by reason of materials supplied or labor performed with respect to the Leased Premises during the term of this Lease, and in the event a lien is filed against the Leased Premises, Lessee shall, at its sole cost and expense, cause said lien to be discharged and defend against any action brought to foreclose said lien and shall it indemnify and hold Lessor from any other damages which result from the filing of such lien.

7. Right to Enter. During normal business hours upon reasonable prior notice to Lessee (except in the event of an emergency), Lessor, its representatives, employees, contractors and agents, shall have the right to enter upon the Leased Premises for the purpose of taking samples, conducting tests, staking, surveying, inspecting and performing all other manner of investigations and planning tasks required for the future development of the Leased Premises or inspection for any other lawful purpose. Prior to entering the Leased Premises, Lessor will provide Lessee reasonable prior telephonic notice of such entry and will make arrangements with Lessee to provide some method of identifying Lessor's employees, agents and consultants when on the Leased Premises, *e.g.*, placing reasonably visible identification on the vehicles. Lessor shall use commercially reasonable efforts to minimize any disruptions to the Lessee's business during any such entry onto the Leased Premises. Lessee shall cooperate with its irrigation and farming activities so that Lessor may conduct its tests and other activities on the Leased Premises. Lessee shall not relocate or remove any survey stakes or similar markings without Lessor's consent. Lessor shall not be responsible for any crop damage or other claims arising from such entry upon the Leased Premises.

8. Assignment or Lease. Lessee may not assign this Lease or any part thereof or any interest therein, or lease the Leased Premises, in whole or in part, without prior written consent of Lessor, which consent is subject to the sole and absolute discretion of Lessor.

9. Attorneys' Fees. If either party hereto shall commence any legal proceeding against the other party for the recovery of rent or to recover possession or for relief because of any default by the other party, the losing party in such action shall pay to the prevailing party all expenses thereof, including reasonable attorneys' fees.

10. Quiet Enjoyment of Lease, and Expiration.

A. Lessor covenants and agrees that so long as Lessee pays the rent provided hereunder and otherwise performs all of Lessee's obligations, Lessee shall have and enjoy the quiet use and possession of the Leased Premises for the term of the Lease, commencing on the first day of the term hereof, subject to Lessor's early termination right set forth in Section 2(B).

B. Lessee agrees that it will, upon expiration or sooner termination of this Lease, return to Lessor the quiet and peaceable possession of the Leased Premises in as good a condition as Leased, subject to reasonable wear and tear and damage by the elements and other acts of God. All personal property shall be removed upon expiration of this Lease, and the entire Leased Premises shall be in a "disced under" condition. Cotton crops shall have the stalks cut and the land in a condition acceptable to applicable governmental agencies.

11. Default of Lessee and Remedies of Lessor. The occurrence of any one or more of the following events shall constitute a material default and breach of this Lease by Lessee: (i) Lessee fails to make any payment of rent or other sum due under this Lease, as and when due; (ii) Lessee fails to observe or perform any of Lessee's other obligations under this Lease where such failure continues for a period of thirty (30) days after written notice from Lessor; or (iii) Lessee becomes insolvent, is adjudged bankrupt, or makes an assignment for the benefit of creditors, or if any sheriff, marshal, constable or other officer takes possession of the Leased Premises under process of any court and such process is not stayed, quashed or bonded within thirty (30) days after the date of such seizure. In the event of any such default or breach by Lessee, Lessor shall have the right and option, in addition to any other rights and remedies that Lessor may have at law or in equity, to immediately terminate this Lease, to thereupon take possession of the Leased Premises. Additionally, any amount owed Lessor that is not paid within ten (10) days after the due date shall bear interest from the original due date until paid at a rate equal to eighteen percent (18%) per annum.

12. Environmental Covenants.

A. Lessee covenants and agrees that Lessee will not utilize the Leased Premises for the treatment, storage, or disposal of Hazardous Substances (as defined below) other than in compliance with applicable Environmental Laws (as defined below), and Lessee will not violate any Environmental Laws governing the generation, treatment, storage, disposal or clean-up of Hazardous Substances. "Environmental Laws" shall mean any federal, state or local statute, ordinance, rule, regulation or guideline pertaining to health, industrial hygiene, or the environment, including, without limitation, the federal Comprehensive Environmental Response, Compensation, and Liability Act of 1980, the federal Resource Conservation and Recovery Act, the Arizona Environmental Quality Act of 1986, the Toxic Substance Control Act of 1976, or the Resource Conservation and Recovery Act of 1976, as the foregoing may have been amended from time to time. "Hazardous Substance" shall mean all substances, materials and wastes that are or become regulated, or classified as hazardous or toxic, under any Environmental Law. Lessee's covenants in this Section shall survive expiration or earlier termination of the Lease.

B. Without limiting the generality of the provisions of Section 12(A) above, Lessee's use and storage of the fertilizers, pesticides, herbicides and other chemical products (collectively, "Chemicals") on the Leased Premises including, without limitation, the type of chemicals or other materials used and/or stored and the manner of their application, discharge, emission or storage shall be in full compliance with applicable governmental laws, rules, regulations and/or orders. Lessee shall file when due all reports, documents, forms or other information required under applicable law or regulation to be filed with any governmental agency (including, without limitation, the Arizona Department of Agriculture, the Arizona Department of Environmental Quality and the Arizona Department of Health Services) regarding Lessee's use and storage of chemicals, fertilizers, pesticides, herbicides and other chemicals on the Leased Premises so as to avoid damage to, or discharge, leakage, spillage, emission or pollution on adjacent parcels of land owned or leased by third parties or by Lessor.

13. Taxes.

A. During the Term, Lessor shall pay all ad valorem real estate taxes and general and special assessments and improvement district liens levied or assessed against the Leased Premises. In addition to payment of annual rent, Lessee shall pay to Lessor, concurrently with payment of the annual rent, any sales, transaction privilege or excise tax attributable to the rents. During the Term, Lessee shall cooperate with Lessor in completing and filing any forms necessary to retain agricultural status for ad valorem property tax purposes on the Leased Premises. The terms and provisions of this Section 13 shall survive expiration or earlier termination of the Lease.

B. During the Term, Lessee shall pay, prior to delinquency, all taxes assessed against or levied upon Lessee's farm equipment, farm fixtures, or other leasehold improvements and personal property located in or upon the Leased Premises. Lessee shall cause such property to be assessed and billed separately from the Leased Premises upon which the improvements and personal property and fixtures are located. If any such property is assessed and taxed to Lessor. Lessee shall pay to Lessor its equitable share of such taxes as determined by Lessor, within fifteen (15) days after delivery to Lessee by Lessor of a statement setting forth the amount thereof.

14. Insurance.

A. Lessee shall, at as sole cost and expense, keep and maintain in full force and effect during the Term a policy or policies of commercial general liability insurance with policy limits of at least $1,000,000 for each occurrence with respect to bodily injury or property damage coverage. Lessor shall not be responsible to Lessee for damage to or loss of Lessee's property for any cause whatsoever.

B. The policies of insurance required to be maintained by Lessee shall be for a period of not less than one year, it being understood and agreed that fifteen (15) days prior to the expiration of any policy of insurance Lessee will, if requested by Lessor, deliver to Lessor a renewal or new policy to take the place of the policy expiring with the further understanding that, should Lessee fail to furnish policies as is provided in the Lease at or before the times herein provided, Lessor may obtain such insurance and the premiums so paid shall be forthwith paid by Lessee to Lessor upon demand. Such policies shall be written by insurance companies reasonably acceptable to Lessor authorized to engage in the insurance business in the State of Arizona, and there shall be delivered to Lessor, if requested by Lessor, customary certificates shall be issued by the insurance companies or their authorized agents and shall provide that the policies may not be canceled until ten (10) days after written notice is given to Lessor.

C. A certificate of such insurance shall be delivered to Lessor naming Lessor as additional insured.

D. Lessee shall, at its sole cost and expense, provide liability insurance and workman's compensation insurance on its employees who work on the Leased Premises.

15. Hold Harmless. The Lessee agrees to indemnify and hold Lessor and the property of the Lessor, including the Leased Premises, free and harmless from any and all clams, liability, loss, damage. or expense resulting from the Lessee's occupation and use of the Leased Premises, specifically including without limitations any claim, liability, loss or damage arising:

A. By reason of the injury to person or property, from whatever cause, while in or on the Leased Premises or in any way connected with the Leased Premises or with the improvements or personal property in or on the Leased Premises including any liability for injury to the Person or personal property or the Lessee, his agents, officers, or employees;

B. By reason of any work performed on the Leased Premises or materials furnished to the Leased Premises at the instance or request of the Lessee, its agents, or employees;

C. By reason of the Lessee's failure to perform any provision of this Lease or to comply with any requirement imposed on him or on the Leased premises by any duly authorized governmental agency or political subdivision;

D. Because of the Lessee's failure or inability to pay as they become due, any obligations incurred in the agricultural or other operations to be conducted by Lessee on the Leased Premises.

16. Abandonment by Lessee. Should the Lessee breach this Lease and abandon the Leased Premises prior to the natural termination of the term of this Lease, the Lessor may:

A. Continue this Lease in effect by not terminating the Lessee's right to possession of the Leased Premises, in which event the Lessor shall be entitled to enforce all his rights and remedies under this Lease including the right to recover the rent specified in this Lease as it becomes due under this Lease: or

B. Terminate this Lease and recover from the Lessee any amount necessary to compensate the Lessor for all detriment proximately caused by the Lessee's failure to perform his obligations under this Lease.

17. Notices. Whenever in this Lease it shall be necessary or appropriate that notice or demand be given or served by either party, such notice or demand shall be given or served (and shall not be deemed to have been duly given or served unless in writing) and forwarded by registered or certified mail, postage prepaid, addressed as noted in the initial section of this Lease or elsewhere as the respective parties may, from time to time, designate in writing. Service shall be deemed completed 48 hours after deposit of any such notice in the United States mail.

18. Binding Upon Successors. Except as expressly limited herein, this Lease shall extend to and be binding upon the successors and assigns of the parties hereto.

19. Miscellaneous.

A. Time is of the essence of this Lease.

B. This Lease shall be construed according to the laws of Arizona.

C. If any term, provision or condition contained in this Lease shall, to any extent, be deemed invalid or unenforceable, the remainder of this Lease shall not be affected thereby, and each term, provision and condition of this Lease shall be valid and enforceable to the fullest extent permitted by law.

D. No delay or omission by either of the parties in exercising any right or power accruing upon any noncompliance or failure of performance by the other party under any provisions of this Lease shall impair any such right or power or be construed to be a waiver thereof. A waiver by any of the parties of any covenant, condition, provision or performance under this Lease, shall not be construed to be a waiver of any succeeding breach (hereof, or of any other covenant, condition, provision or performance of this Lease).

E. No modification, waiver, release or amendment of any provision of this Lease shall be made except by written agreement signed Lessor and Lessee.

F. Section headings, captions and other similar designations are for convenience and reference only, and in no way define or limit the scope and content of this Lease, or in any way affect its provisions.

G. No rights, privileges or immunities of any party hereto shall inure to the benefit of any lessee, customer, employee or invitee of any party or any third party, nor shall any Lessee; customer, employee or invitee of a party or any other third party be deemed to be a third party beneficiary of any of the provisions contained herein.

H. In the event either party hereto fails to perform any of obligations under this Lease or in the event a dispute arises concerning the meaning or interpretation of any provision of this Lease, the defaulting party or the party not prevailing in such dispute, as the case may be, shall pay any and all costs and expenses incurred by the other party in enforcing or establishing its rights hereunder, including, without limitation, court costs, arbitration fees and reasonable attorneys' fees and other professional fees and costs.

I. Exhibits attached hereto shall by this reference be deemed a part of this Lease as if set forth in full herein.

J. This Lease may be executed in one or more counterparts, all of which taken together shall constitute one and the same document.

SIGNATURES ON FOLLOWING PAGE

IN WITNESS WHEREOF this Lease has been executed by the parties hereto as of the day and year first set forth above.

Lessor:

LAVEEN BASELINE LLC,
a Delaware limited liability company

By: Laveen Park Partners LLC, a Delaware limited liability company
Its: Managing Member

By: Kitchell Laveen, LLC, an Arizona limited liability company
Its: Managing Member

By: Kitchell Development Company, an Arizona corporation
Its: Manager

By: _____
Name: Brad Anderson
Title: Director of Design and Construction

Lessee:

Carver Mountain Enterprises,
an Arizona general partnership

_____
Stephen H. Williams, Manager

APPENDIX F

EDR AERIAL PHOTOGRAPHS

Baseline Road East

5740 W Baseline Rd

Laveen, AZ 85339

Inquiry Number: 5349727.8

July 02, 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

07/02/18

Site Name:

Baseline Road East
5740 W Baseline Rd
Laveen, AZ 85339
EDR Inquiry # 5349727.8

Client Name:

Civil & Env Consultants
11811 N. Tatum Blvd. Suite 3057
PHOENIX, AZ 85028
Contact: Jared Bates

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

Search Results:

Year	*Scale*	*Details*	*Source*
2017	1"=500'	Flight Year: 2017	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2007	1"=500'	Flight Year: 2007	USDA/NAIP
1997	1"=500'	Acquisition Date: April 30, 1997	USGS/DOQQ
1993	1"=750'	Flight Date: June 27, 1993	USGS
1986	1"=500'	Flight Date: December 30, 1986	USGS
1982	1"=500'	Flight Date: May 29, 1982	USDA
1979	1"=500'	Flight Date: June 09, 1979	USDA
1976	1"=500'	Flight Date: December 28, 1976	USGS
1964	1"=500'	Flight Date: January 29, 1964	USDA
1961	1"=500'	Flight Date: May 18, 1961	USDA
1958	1"=500'	Flight Date: January 01, 1958	USDA
1954	1"=500'	Flight Date: January 27, 1954	USDA
1949	1"=500'	Flight Date: March 27, 1949	USDA
1936	1"=500'	Flight Date: March 19, 1936	USGS

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INQUIRY #: 5349727.8

YEAR: 2017

= 500'

N

EDR

INQUIRY #: 5349727.8

YEAR: 2010

= 500'

N

EDR

INQUIRY #: 5349727.8

YEAR: 2007

= 500'

N

EDR

INQUIRY #: 5349727.8

YEAR: 1997

= 500'

N

EDR

INQUIRY #: 5349727.8

YEAR: 1993

= 750'

N

EDR

INQUIRY #: 5349727.8

YEAR: 1986

= 500'

N

EDR

INQUIRY #: 5349727.8

YEAR: 1982

= 500'

N

EDR

INQUIRY #: 5349727.8

YEAR: 1979

= 500'

N

EDR

INQUIRY #: 5349727.8

YEAR: 1976

= 500'

N

EDR

INQUIRY #: 5349727.8

YEAR: 1964

= 500'

N

EDR

INQUIRY #: 5349727.8

YEAR: 1961

= 500'

N

EDR

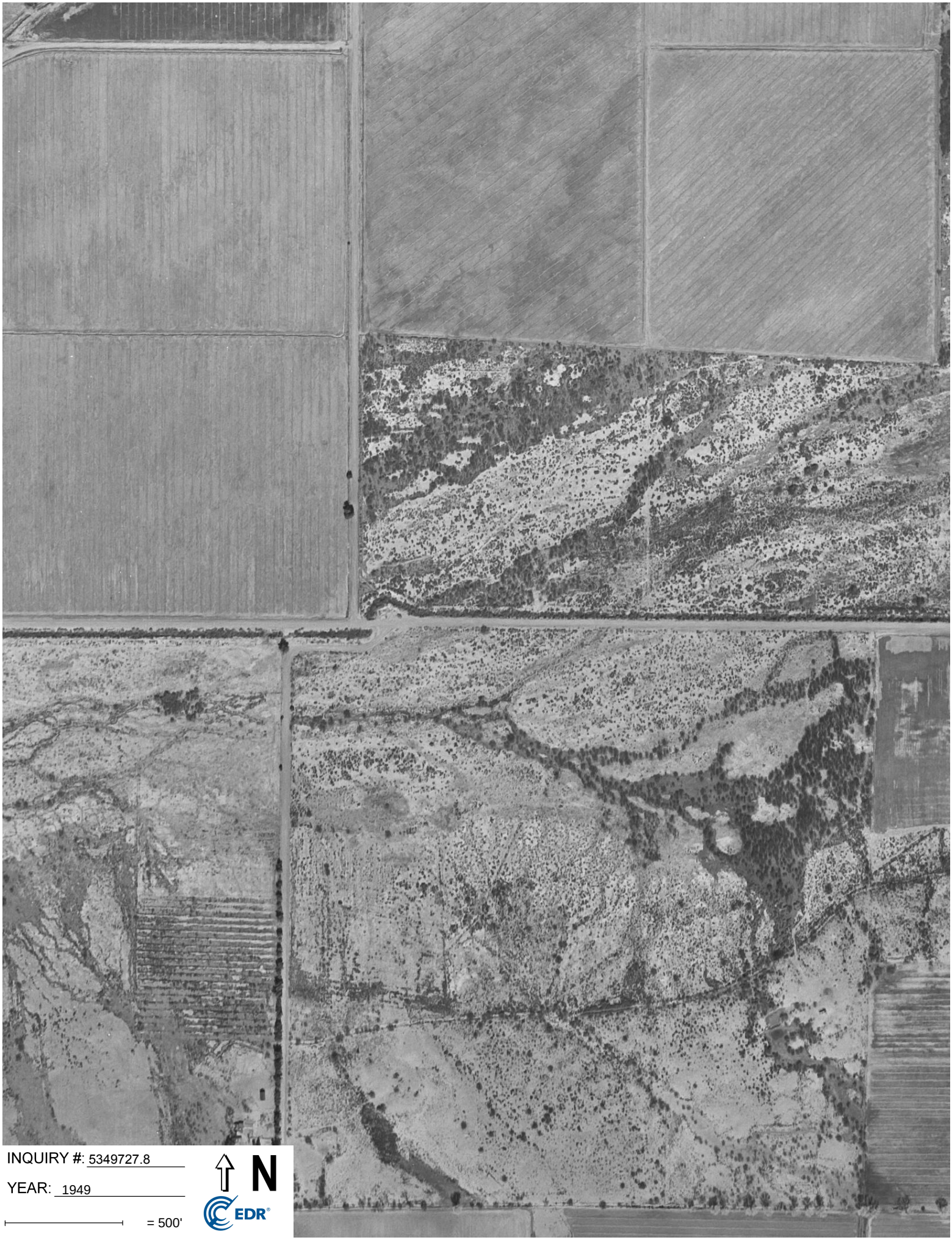
INQUIRY #: 5349727.8

YEAR: 1954

= 500'

N

EDR



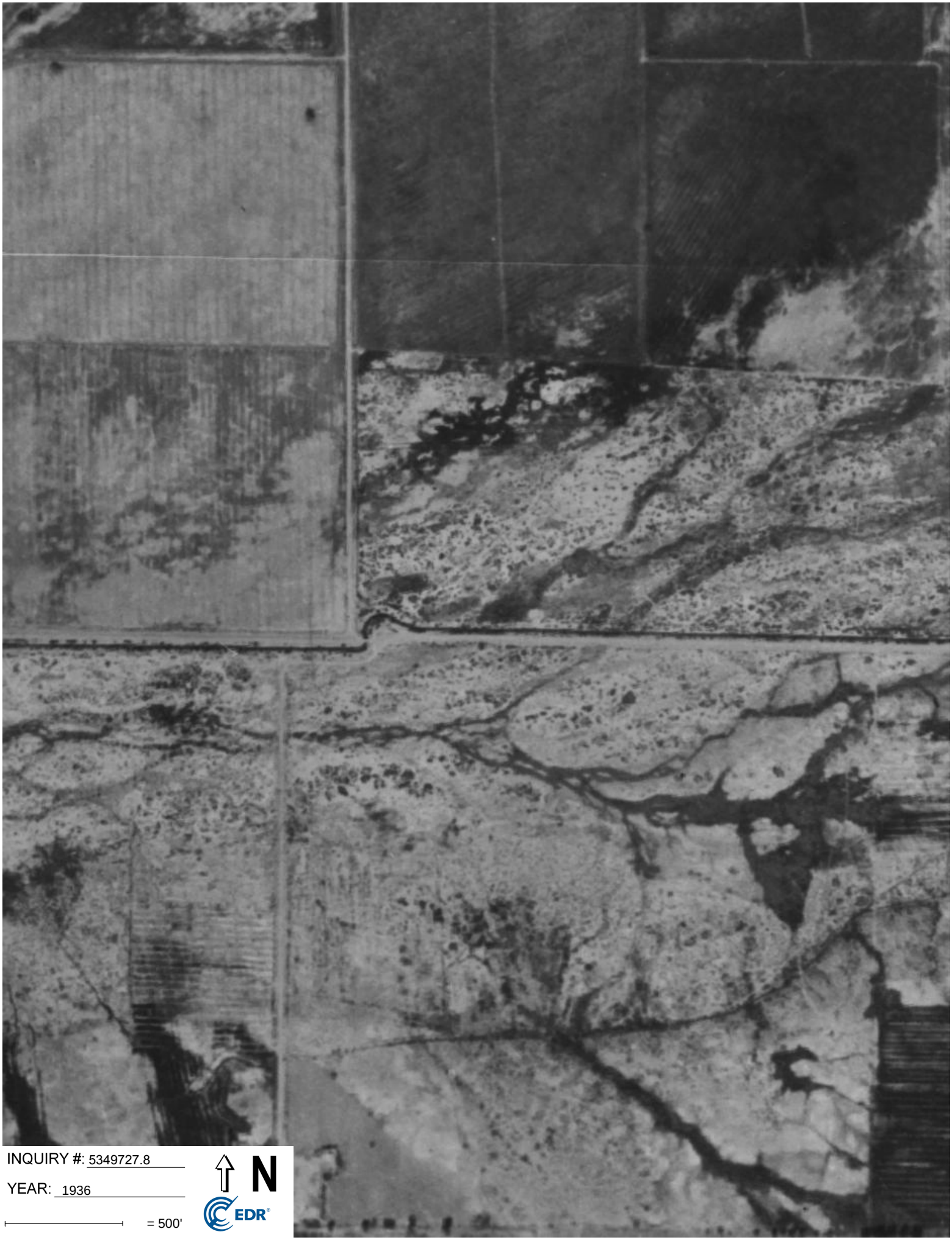
INQUIRY #: 5349727.8

YEAR: 1949

= 500'

N

EDR



INQUIRY #: 5349727.8

YEAR: 1936

= 500'

N

EDR

APPENDIX G

EDR HISTORIC TOPOGRAPHIC MAPS

Baseline Road East

5740 W Baseline Rd

Laveen, AZ 85339

Inquiry Number: 5349727.4

July 02, 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

07/02/18

Site Name:	Client Name:
Baseline Road East	Civil & Env Consultants
5740 W Baseline Rd	11811 N. Tatum Blvd. Suite 3057
Laveen, AZ 85339	PHOENIX, AZ 85028
EDR Inquiry # 5349727.4	Contact: Jared Bates

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Civil & Env Consultants were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:		*Coordinates:*	
P.O.#	182-001	**Latitude:**	33.377569 33° 22' 39" North
Project:	Baseline Rd East	**Longitude:**	-112.183577 -112° 11' 1" West
		UTM Zone:	Zone 12 North
		UTM X Meters:	389905.38
		UTM Y Meters:	3693771.20
		Elevation:	1002.00' above sea level

Maps Provided:

2014
1982
1973
1967
1952
1914
1912

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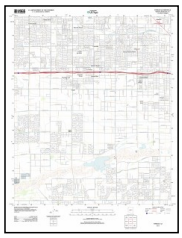
Topo Sheet Key

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

2014 Source Sheets



Fowler
2014
7.5-minute, 24000

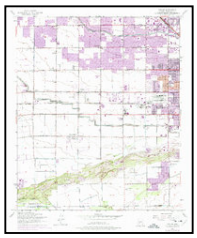
Laveen
2014
7.5-minute, 24000

1982 Source Sheets

Fowler
1982
7.5-minute, 24000
Aerial Photo Revised 1978

1973 Source Sheets

Laveen
1973
7.5-minute, 24000
Aerial Photo Revised 1973



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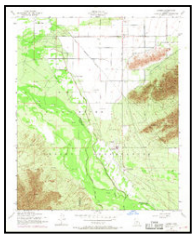
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1967 Source Sheets

Fowler
1967
7.5-minute, 24000
Aerial Photo Revised 1967



Laveen
1967
7.5-minute, 24000
Aerial Photo Revised 1967

Topo Sheet Key

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1952 Source Sheets

Fowler
1952
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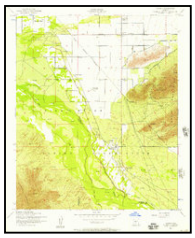
Aerial Photo Revised 1951



Laveen
1952
7.5-minute, 24000
Aerial Photo Revised 1951

1914 Source Sheets

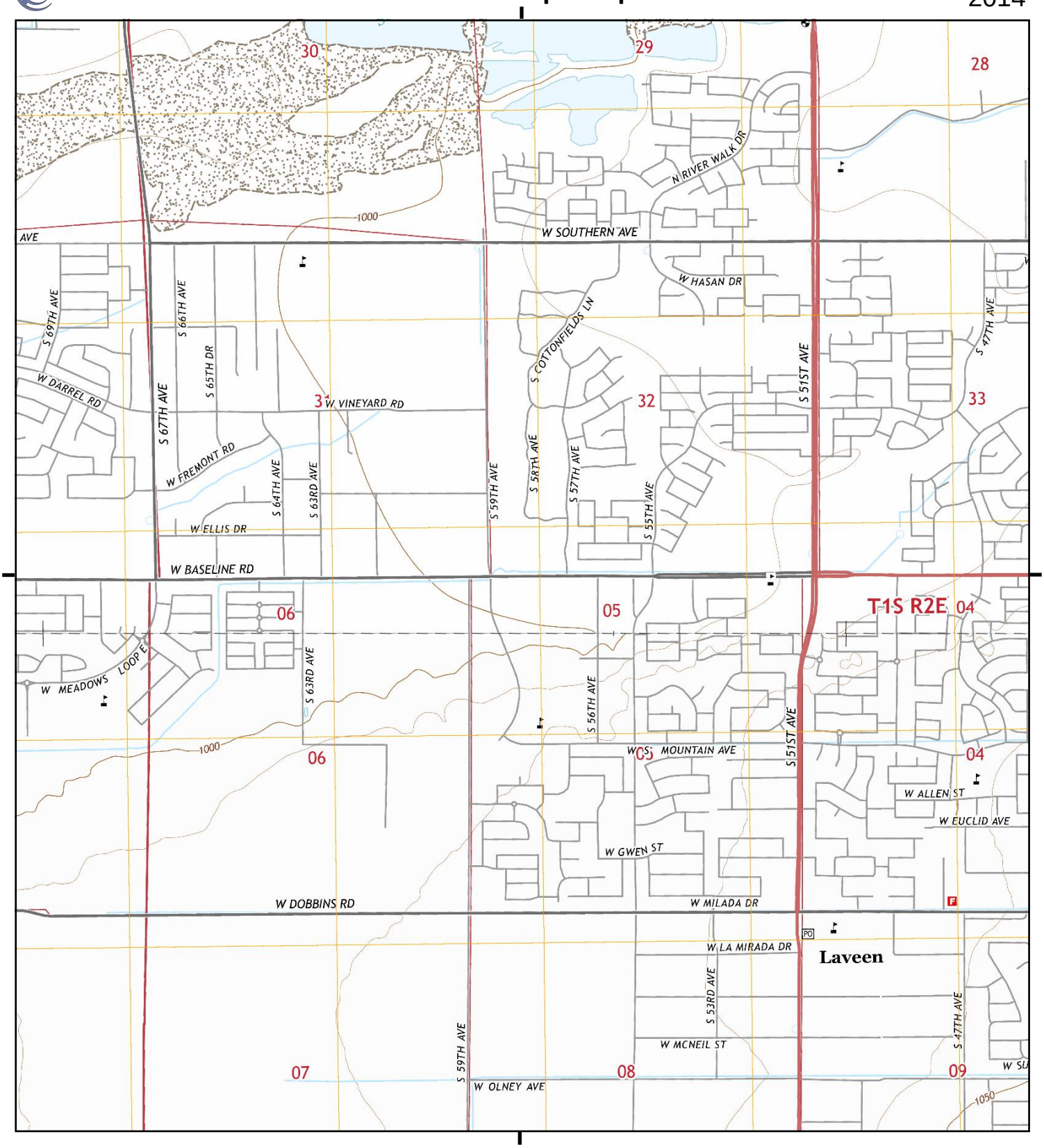
Phoenix
1914
15-minute, 62500

1912 Source Sheets

Phoenix
1912
15-minute, 62500

Historical Topo Map

2014



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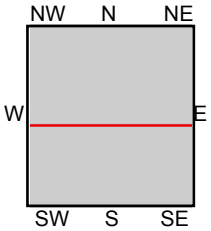


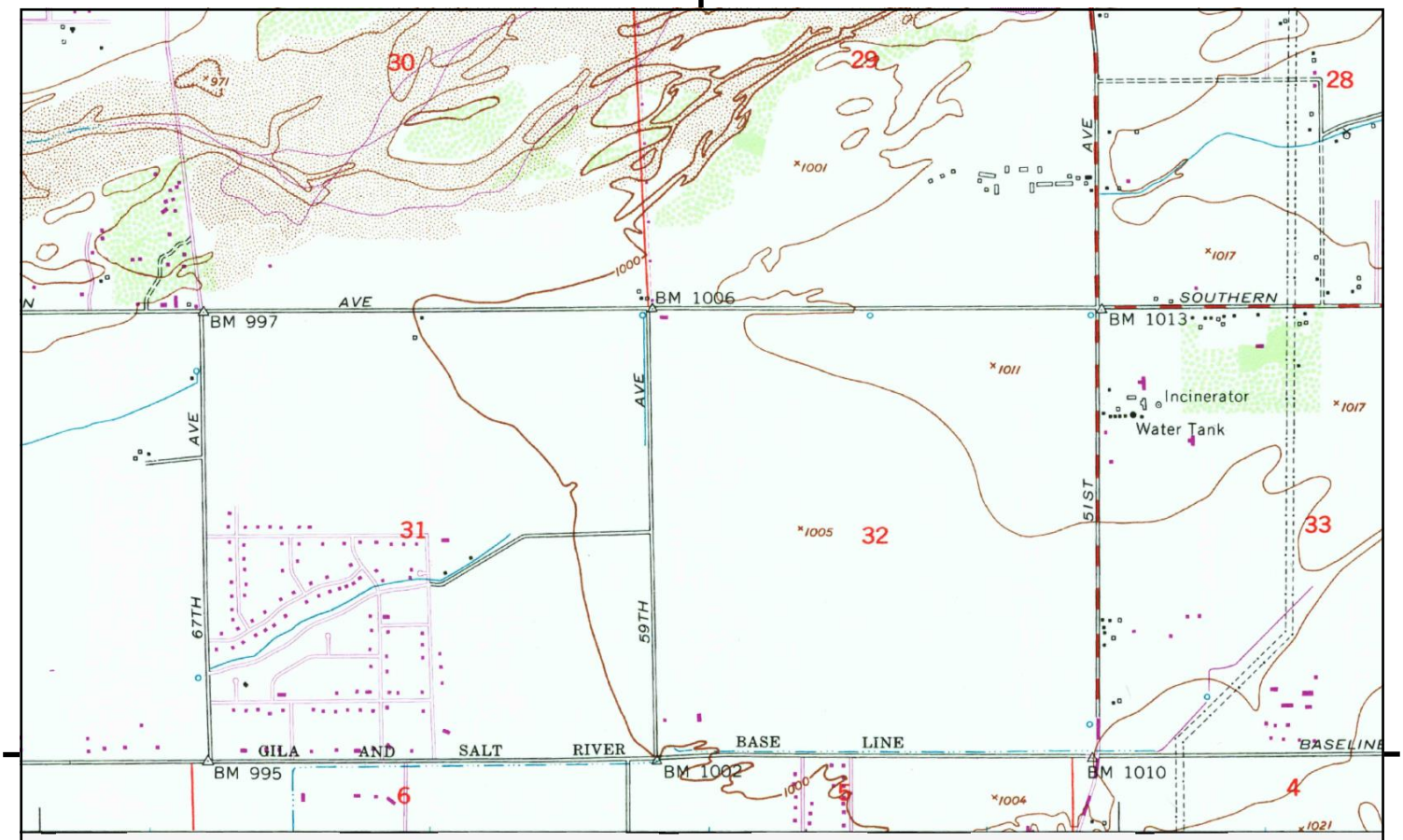
TP, Fowler, 2014, 7.5-minute
S, Laveen, 2014, 7.5-minute

SITE NAME: Baseline Road East
ADDRESS: 5740 W Baseline Rd
Laveen, AZ 85339
CLIENT: Civil & Env Consultants

N

Historical Topo Map

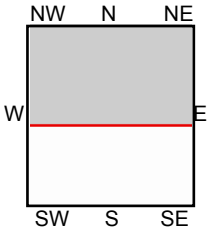
1982



UNMAPPED

This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5



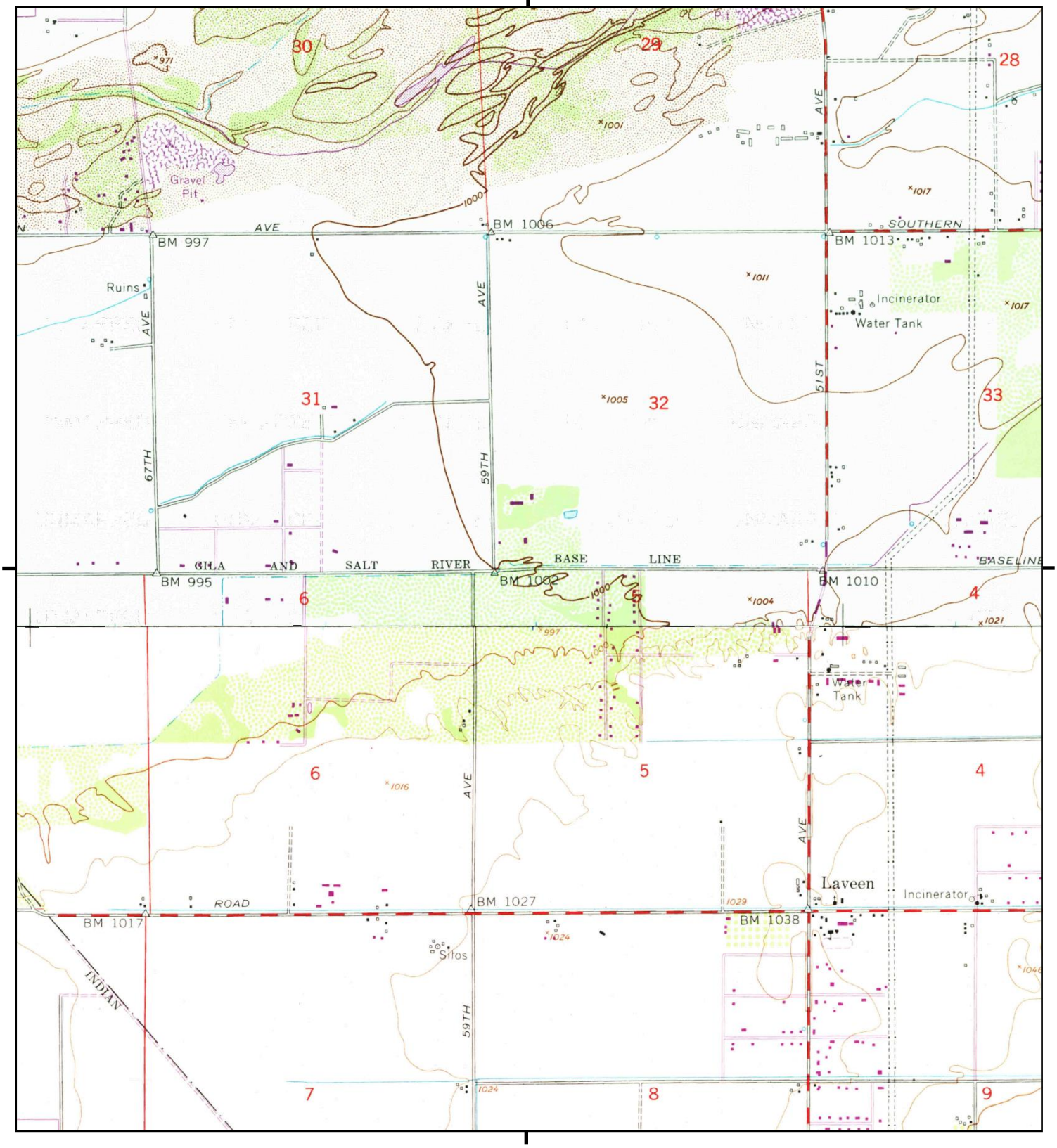
TP, Fowler, 1982, 7.5-minute

SITE NAME: Baseline Road East
ADDRESS: 5740 W Baseline Rd
Laveen, AZ 85339
CLIENT: Civil & Env Consultants

N

Historical Topo Map

1973



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

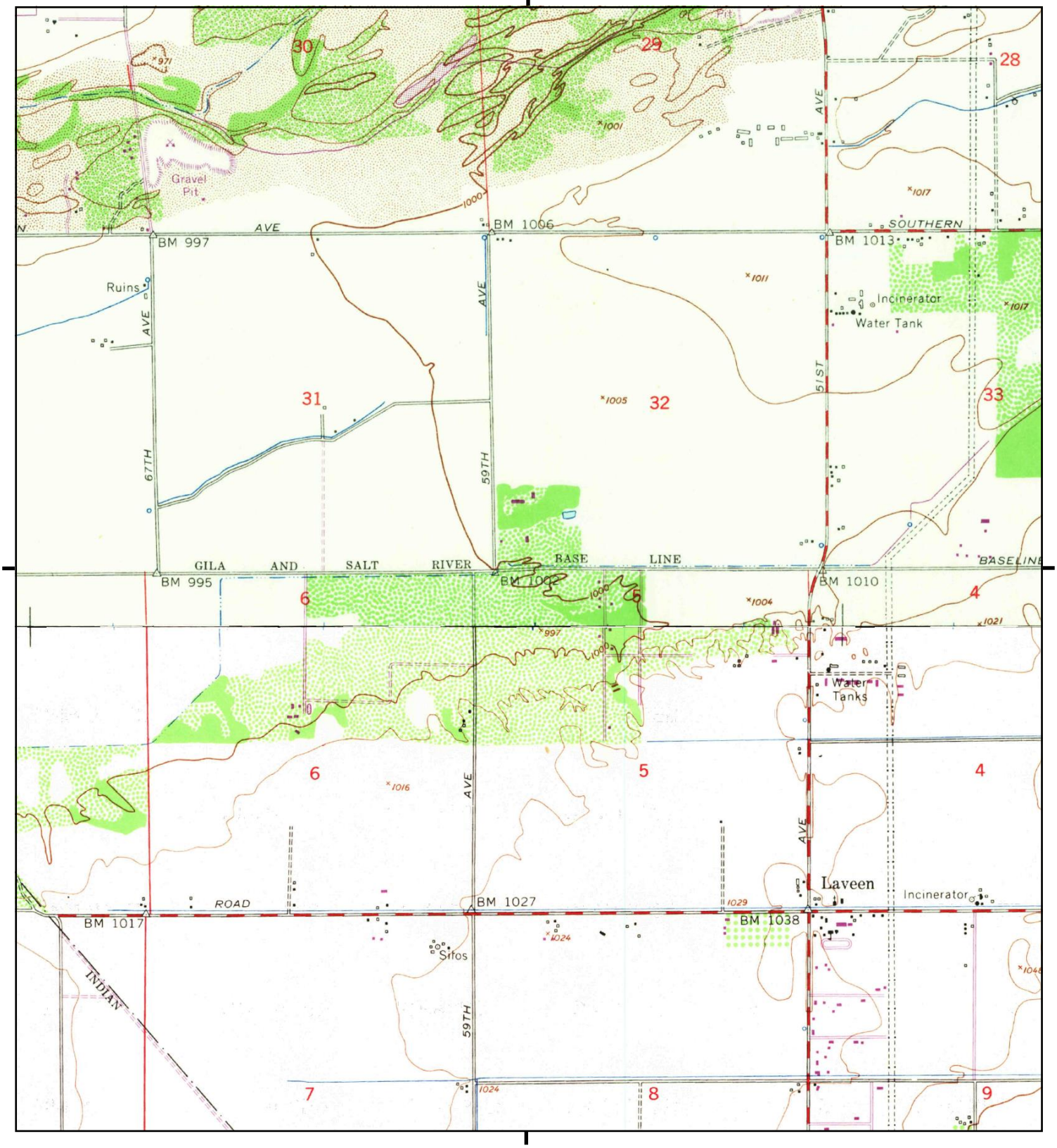
TP, Fowler, 1973, 7.5-minute
S, Laveen, 1973, 7.5-minute

SITE NAME: Baseline Road East
ADDRESS: 5740 W Baseline Rd
Laveen, AZ 85339
CLIENT: Civil & Env Consultants

N

Historical Topo Map

1967



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

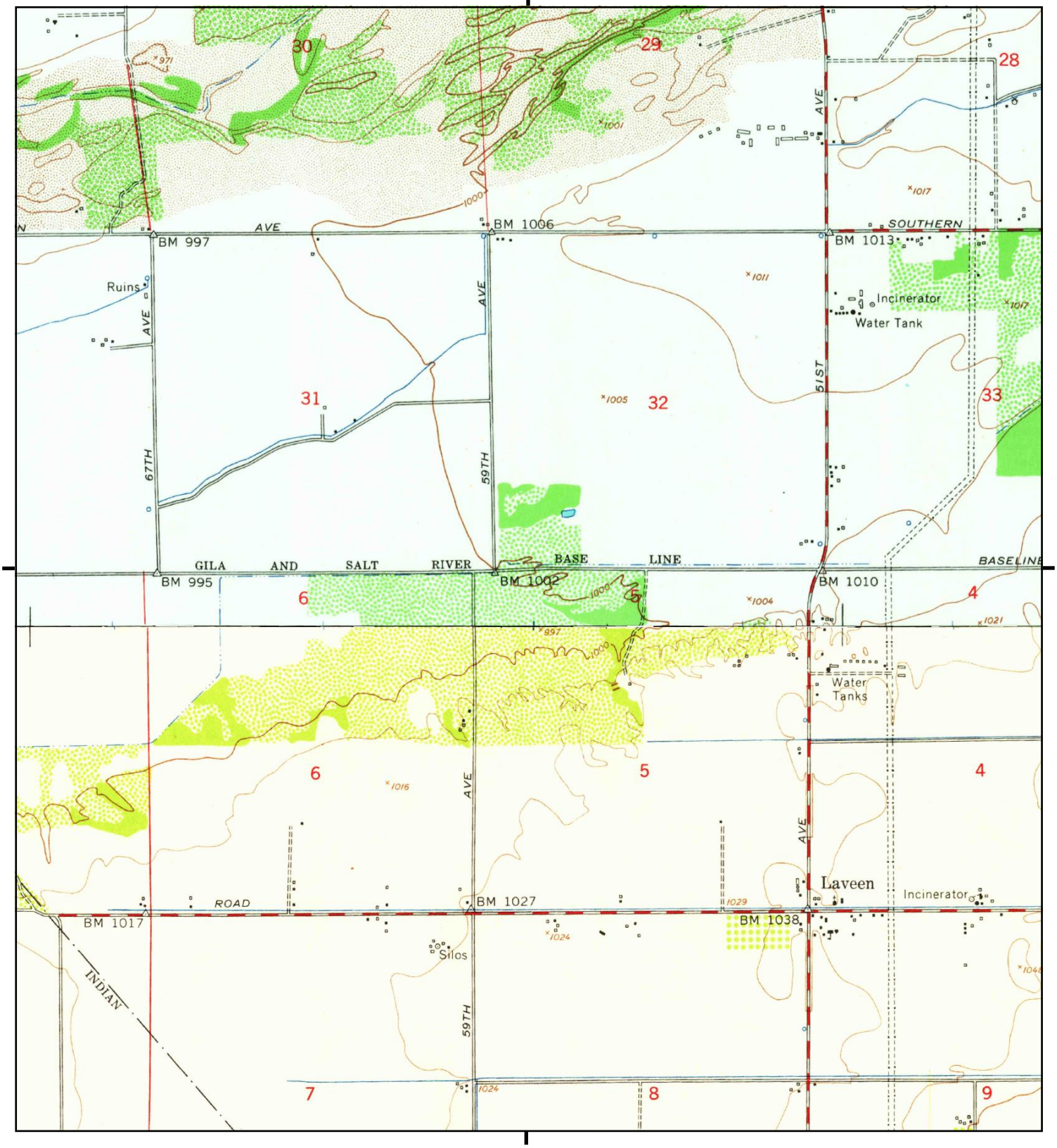
TP, Fowler, 1967, 7.5-minute
S, Laveen, 1967, 7.5-minute

SITE NAME: Baseline Road East
ADDRESS: 5740 W Baseline Rd
Laveen, AZ 85339
CLIENT: Civil & Env Consultants

N

Historical Topo Map

1952



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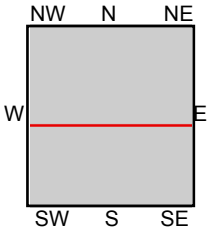
0 Miles 0.25 0.5 1 1.5



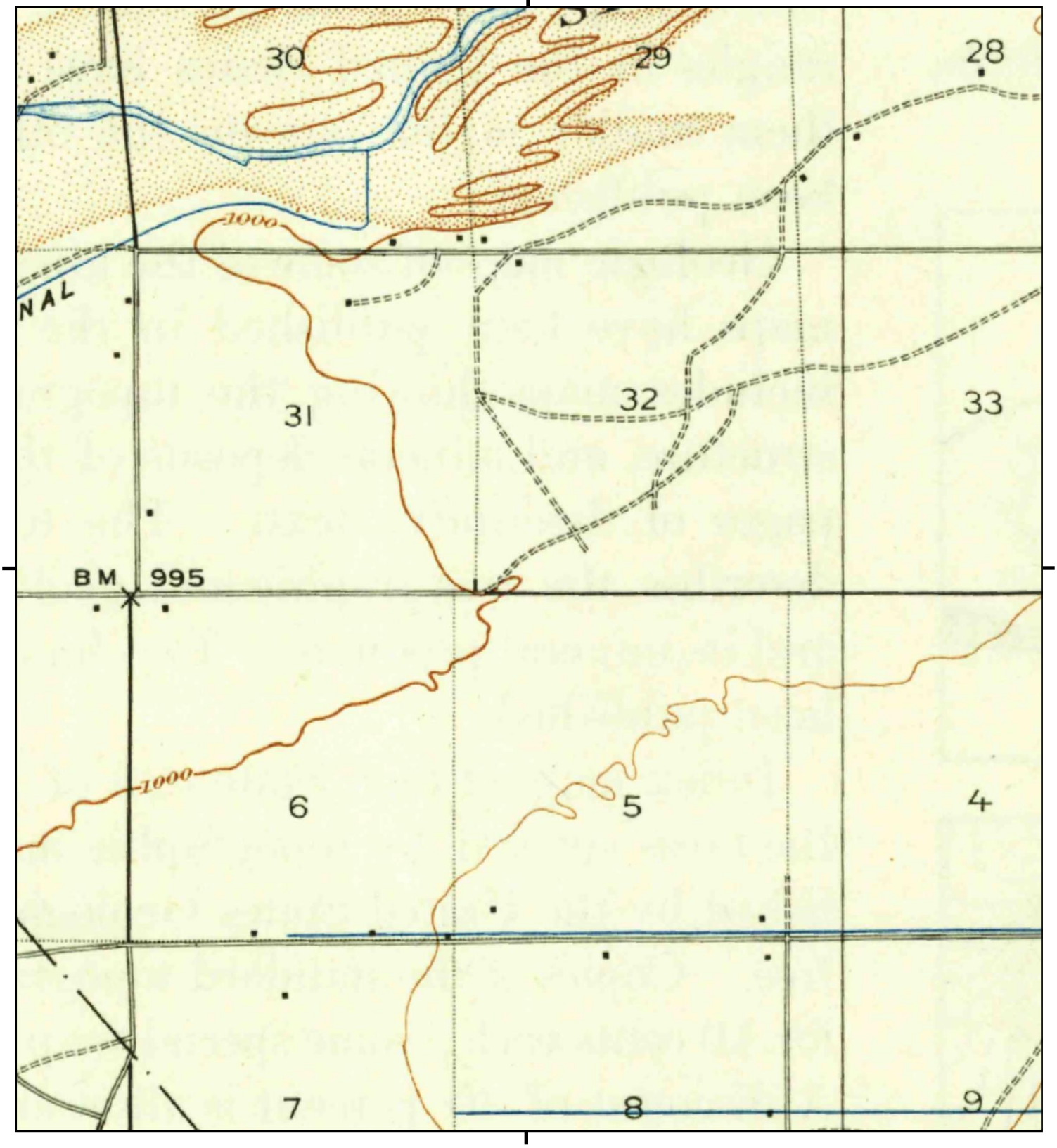
TP, Fowler, 1952, 7.5-minute
S, Laveen, 1952, 7.5-minute

SITE NAME: Baseline Road East
ADDRESS: 5740 W Baseline Rd
Laveen, AZ 85339
CLIENT: Civil & Env Consultants

N

Historical Topo Map

1914



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

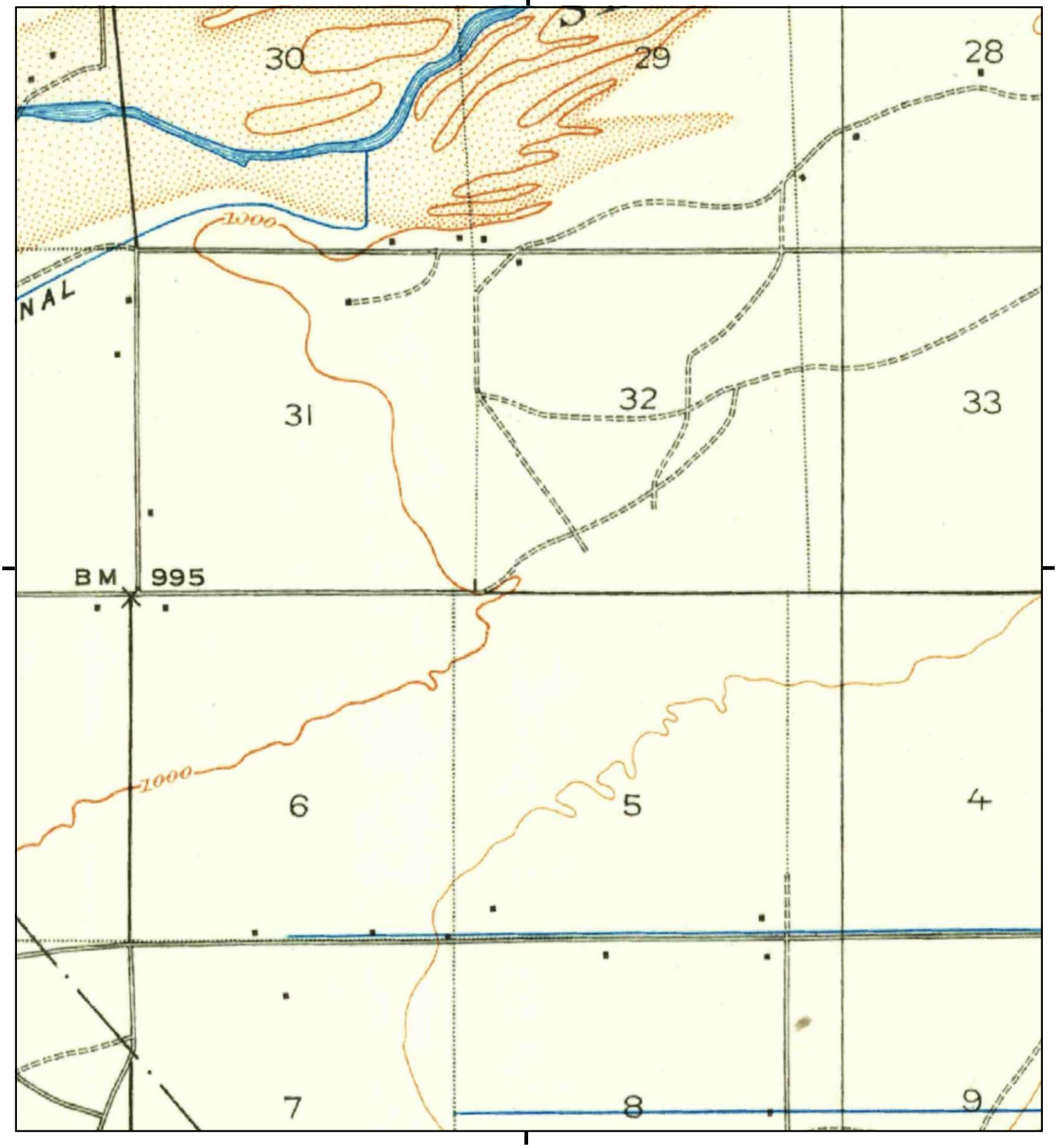
TP, Phoenix, 1914, 15-minute

SITE NAME: Baseline Road East
ADDRESS: 5740 W Baseline Rd
Laveen, AZ 85339
CLIENT: Civil & Env Consultants

N

Historical Topo Map

1912



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Phoenix, 1912, 15-minute

SITE NAME: Baseline Road East
ADDRESS: 5740 W Baseline Rd
Laveen, AZ 85339
CLIENT: Civil & Env Consultants

N

APPENDIX H

EDR SANBORN MAP REPORT

Baseline Road West

5875 W Baseline Rd

Laveen, AZ 85339

Inquiry Number: 5349733.3

July 02, 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

07/02/18

Site Name:	Client Name:
Baseline Road West	Civil & Env Consultants
5875 W Baseline Rd	11811 N. Tatum Blvd. Suite 3057
Laveen, AZ 85339	PHOENIX, AZ 85028
EDR Inquiry # 5349733.3	Contact: Jared Bates

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Civil & Env Consultants 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 # 06AD-48E6-B30E

PO # 182-001

Project Baseline Rd West

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 #: 06AD-48E6-B30E

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 I

EDR CITY DIRECTORIES

Baseline Road West
5875 W Baseline Rd
Laveen, AZ 85339

Inquiry Number: 5349733.5
July 03, 2018

The EDR-City Directory Image Report

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

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Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report 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 Report includes a search of available city directory data at 5 year intervals.

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. A check mark indicates where information was identified in the source and provided in this report.

Year	Target Street	Cross Street	Source
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☑	☐	EDR Digital Archive
2000	☑	☐	EDR Digital Archive
1995	☑	☐	EDR Digital Archive
1992	☑	☐	EDR Digital Archive
1989	☑	☐	Cole Criss-Cross Directory
1984	☑	☐	Cole Criss-Cross Directory
1979	☑	☐	Cole Criss-Cross Directory
1974	☑	☐	Cole Criss-Cross Directory
1967	☑	☐	Cole Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

5875 W Baseline Rd
Laveen, AZ 85339

Year	*CD Image*	*Source*
W BASELINE RD		
2014	pg A1	EDR Digital Archive
2010	pg A2	EDR Digital Archive
2005	pg A3	EDR Digital Archive
2000	pg A4	EDR Digital Archive
1995	pg A5	EDR Digital Archive
1992	pg A6	EDR Digital Archive
1989	pg A7	Cole Criss-Cross Directory
1989	pg A8	Cole Criss-Cross Directory
1984	pg A10	Cole Criss-Cross Directory
1984	pg A9	Cole Criss-Cross Directory
1979	pg A11	Cole Criss-Cross Directory
1979	pg A12	Cole Criss-Cross Directory
1974	pg A13	Cole Criss-Cross Directory
1974	pg A14	Cole Criss-Cross Directory
1967	pg A15	Cole Criss-Cross Directory

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

W BASELINE RD 2014

5740 BOUGIN BILLA LLC
COTTONFIELD GOLF MGT LLC
LAVEEN LIONS FOUNDATION INC
MJC DALLAS INC
SOUTHERN RIDGE GOLF CLUB

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

W BASELINE RD 2010

5740 ALL OCCASIONS GOURMET LLC
BOUGIN BILLA LLC
COTTONFIELD GOLF MGT LLC
LAVEEN LIONS CLUB FOUNDATION

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

W BASELINE RD 2005

5740 COTTONFIELD GOLF MGT LLC

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

W BASELINE RD 2000

5740 COTTONFIELD GOLF MGT LLC
MOUNTAIN VIEW GOLF CLUB

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

W BASELINE RD 1995

5740 GOLF 36 CORP

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

W BASELINE RD 1992

2915	GARCIA, RAUL JR
3107	BRANHAM, RAYMOND
3135	JAURIGUE, ROBERT
3247	HUARD, KENNETH
3301	RHS ENTERPRISES INC
	STEVENS, ROGER H
3303	HETH, TY
4444	MUSGROVE, ROBERT L
4702	ROGERS, RICHARD
5501	CHANDLER, JANE
6302	LISAC, JOHN M
6344	HOLZHAUS, RALPH L II
6414	WOODWARD, JACOB L
6438	GREENE, EDWARD C JR
6534	STATEWIDE BUSINESS REPAIR
6548	ZWEIFEL, CLAUDIA J
6632	GREEN, WADE
6848	SHELTON, JOHN
6902	MOORE, PAMELA A
6948	SCHLOSSER ELECTRIC CO INC
	SCHLOSSER, THOMAS A
8200	LEWIS, DELBERT
	MCGLOTHIN, SHARON
8201	AMERICAN INDIAN MINISTRIES
	ANTONE, B A
	HOFFMANN, ANNA M
	MAY, STELLA

Target Street	Cross Street	Source
✓	-	Cole Criss-Cross Directory

W BASELINE RD 1989

80 RESIDENCE 33 BUSINESS

BASELINE RD W

Laveen

RR 1 85339

3000– 7199 CT1166.01 $C..D 6

7800– 8399 CT6232 $E..E 7

3103	. . . . .	NP	
3107	Raymond Branham . . .	85	237–2225
3131	. . . . .	NP	
3135	Robert Jaurigue	73	237–3685
3247	Kenneth Huard		– 237–4331
3301	★ P&R Paving&Eng . . .	73	237–3696
	★ Roger H Stevens . . .	82	⊙ 237–3696
3303	3440	NP	
3443	Richard P Baker		– 237–2979
3508	★ The Circle K Corp . .	87	237–2728
4444	Robert L Musgrove . . .	77	237–2194
4702	Ron J Ferguson		⌑ 237–4950
	Richard Rogers		⌑ 237–3060
4704	★ Tims Star Entrps . . .		⌑ 237–2969
4706	. . . . .	NP	
5501	Jane Chandler	85	237–4303
	★ H&R Block		– 237–2611
	★ Chandler Apprsl Sv . .		⌑ 237–2556
	★ Realty Wrld Cty Sq . .	86	237–2555
5531	. . . . .	NP	
5535	★ Last Stop Inn	82	237–4170
6302	J M Lisac	80	237–4434
6344	R L Holzhaus II	73	237–4630
6414	Jacob L Woodward . . .	83	237–3716
6438	Edward C Greene Jr . .	78	237–2241
6506	6534	NP	

MAY NOT BE KEY PUNCHED ENTERED INTO A COMPUTER

he Directory — — New Listing To The Street 8

Target Street	Cross Street	Source
✓	-	Cole Criss-Cross Directory

W BASELINE RD 1989

36	6548	Leonard C Rhodes	78		237-2280
71	6848	John Shelton		-	237-4696
66	6902	Pamela A Moore	87		237-4665
66	6948	Thomas A Schlosser	85		237-3038
66	7040	Marvin Barnes	73		237-4784
66	7101	Jose L Queroz		¤	237-3265
52	8200	Jakob Durakovic	84		237-2119
91		★ City Gila RV Abe		¤	237-4311
91	8201	A M Hoffmann	87		237-4327
20		★ Amer Indn Nrsng Hm	69		237-3813
20	NO #	Julian Apodaca	80		237-2469
20	NO #	S Cienfuegos		¤	237-3687
38	NO #	Virginia Davis	82		243-2248
07	NO #	Daniel French	85		237-2113
07	NO #	Dwight Lewis	87		237-4561
	NO #	★ Mica	86		237-2367
00		33 RESIDENCE	11		BUSINESS
32		BEARDSLEY RD E			85024

Target Street	Cross Street	Source
✓	-	Cole Criss-Cross Directory

W BASELINE RD 1984

No # Robert M Smead 78 268-6729
No # ★D Mundall Trucking .....¤ 276-2129
No # ★S W Tree Growers 268-8754
73 Residence 31 Business

BASELINE RD W
RR 1 LAVEEN PO 85339
3000- 7199 TZ116601 $C..D 6
8200- 8399 TZ6232 $E..E 7
007910
3021 Isaac Carbajal 80 237-3688
3103 Delbert Branham 74 237-3692
Raymond Branham 80 237-3689
3107 3131 .....NP
3135 Robert Jaurigue 73 237-3685
3301 Roger H Stevens 81 237-3696
★P&R Paving&Eng 237-3696
★Roger H Stevens 237-3696
3303 P A Stevens 82 237-3188
3443 A Z Campoy 79 237-3680
35 & Anna Bartlett 81 237-3695
3870 N Hudson 80 237-4474
Clifford Shelton 82 237-2754
43 &★Bill R Haley 237-4880
4444 Robert L Musgrove 77 237-2194

AY NOT BE KEY PUNCHED, ENTERED INTO A COMPUTER OR
sting to that Street ★ — Business Listing TZ — Trading Zone

Target Street	Cross Street	Source
✓	-	Cole Criss-Cross Directory

W BASELINE RD 1984

4702	Gilbert Rogers		237-2286
	Gilbert Rogers		237-4622
4704	Ronald T Fossum	¤	237-4210
4706		NP	
5501	**★H&R Block**		**237-2611**
	★D-C Machine		**237-4730**
	★50 States Rlty	–	**237-2611**
	★J Moreno Rlty	¤	**237-2611**
5531		NP	
5535	**★Last Stop Inn**		**237-2174**
6302	J M Lisac	80	237-4434
6344	R L Holzhaus II	73	237-4630
6414	Jacob L Woodward	–	237-3716
6438	Edward C Greene Jr	78	237-2241
6506	6534	NP	
6548	Leonard C Rhodes	78	237-2280
6618	Cecil H Gaines	82	237-2180
6632	Bryce K Loeffler	–	237-4158
6848	Garth Shay	74	237-4673
6902	Earle Alexander	¤	237-4161
	Robert K Hunt	¤	237-4161
7040	Marvin Barnes	73	237-4784
7101	John Shelton	79	243-4696
8200	Terry Claessens	¤	237-2635
8201	Diana Knox	¤	237-2830
No #	Ralph Cameron	77	237-2178
No #	John Francis	82	237-2704
No #	Raymond Howard	79	237-4711
No #	**★Amer Indn Nrsng Hm**		**237-3813**
	37 Residence		9 Business

BEARDSLEY RD E 85024

Target Street	Cross Street	Source
✓	-	Cole Criss-Cross Directory

W BASELINE RD 1979

1974	.....	NP	
2029	George Thasho	7	276-3954
2241	Michael M Gomez	5	268-4761
2245	Jesse Lee Cook	3	276-3880
2310	Gary D Session	5	243-1017
2340	Mel Martin	2	276-0066
2502	Bruce M Williams	7	268-2836
2626	Randy Lay	4	268-0683
3103	Delbert Branham	5	268-2769
3131	Robert Jaurigue	4	268-5720
No #	LCol F Billingsley	¤	932-2076
No #	Robert M Smead	¤	268-6729
No #	**★Southwest Trees .....**		**268-8754**
	84 Residence	24	Business

BASELINE RD W

	RR 1 LAVEEN PO 85339		
	3100- 7099 TZ1166		**SC..F 2**
	007480		
3870	**★C Shelton Concrete ....**		**243-4707**
4444	Robert L Musgrove	8	243-2194
4702	Gilbert Rogers		243-4622
4706	James A Gholson	8	243-4010
5531	.....	NP	
5535	**★Last Stop Tavern .....**		**268-9938**
56 &	**★KUPD Radio AM&FM ...**		**260-6668**
6302	M Patterson	-	243-4434

MAY NOT BE KEY PUNCHED, ENTERED INTO A COMPUTER OR P
sting to that Street ★ — Business Listing TZ — Trading Zone

Target Street	Cross Street	Source
✓	-	Cole Criss-Cross Directory

W BASELINE RD 1979

LE'S PAGE 203

6344	R L Holzhaus II 4	243-4630
6414	Frank D Smith 7	243-4025
6438	Edward C Greene Jr ....-	243-2241
6506	Mark Allen .....¤	243-2270
6534	.....NP	
6548	Leonard C Rhodes .....-	243-2280
6748	Rosario E Silva 6	243-4408
6848	Garth Shay 5	243-4673
7040	Marvin Barnes 4	243-4784
No #	★Amer Indian Nursng	268-8716
No #	Jack C Anderson 7	268-6560
No #	Ted Bloemhof	243-4070
No #	R M Eaves .....-	268-4700
No #	★Gila River Cabinet	243-2118
No #	R D Howard 8	243-4711
No #	A G Long	276-0083
No #	Aubrey McDaniel 5	268-1741
No #	Bennie Minton 4	243-4693
No #	Melvin Minton 1	243-4580
No #	Danny Mundall	243-4785
No #	Lester Mundall 6	276-2129
No #	★P & R Paving&Engrn ...	243-1767
No #	Roger H Stevens	243-1767
No #	★The Tree Farm	268-6718
	25 Residence	7 Business

BEARDSLEY RD E 85024

2000- 3199 TZ 303 **SC..D 1**

007490

2020	F E Crain 4	992-3609

Target Street	Cross Street	Source
✓	-	Cole Criss-Cross Directory

W BASELINE RD 1974

```
2243 JESSE LEE COOK        3 2763260
2340 MEL MARTIN            2 2760066
2415 DICK KINO            -9675436
2502 CLARENCE LAY          2761585
2626 RANDY LAY            -2680683
3131 ROBERT JAURIGUE      ¤2685720
     67 RESIDENCE      21 BUSINESS

BASELINE RD W
.................................
     .....LAVEEN PO....     85339
...  3300-  END T 1166    $C..F 2
33 & HAROLD MCDANIEL      -2682031
     *P&R PAVING&ENGNRG   ¤2682909
35 & IKE N KEESEE          3 2765177
     LEROY B OZMENT        3 2681849
     DAN J PHILLIPS        3 2764585
3870 LEE HUDSON            3 2687047
     CLIFFORD SHELTON      3 2687047
41 & R C SMITH            ¤2681773
43 & BILL R HALEY          1 2762222
4444 BISHOP W O RICHINS
                           2 2766683
4702 GILBERT ROGERS        7 2764024
4800 ERIC DODD             3 2681577
51 & A R FLANDERS          3 2684351
5501*MAGIC FINGERS SALO-2688611

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Target Street	Cross Street	Source
✓	-	Cole Criss-Cross Directory

W BASELINE RD 1974

PAGE 156

5531 NP
5535*LAST STOP INN 2769919
56 &*KLPD RADIO AM&FM 2606668
59 & H L ELLSWORTH 3 2687050
63 & TED BLOEMHOF 8 2768737
32 ELDON GRIFFIN ¤2689660
36 RAHN ROBINSON 3 2761553
54 RONALD A SCHLOSSER¤2680700
11 6344 R L HOLZHAUS II -2684591
13 6414 DONALD MCDANIEL ¤2760100
71 6534 ELBERT LEWALLEN -2768911
71 7040 MARVIN BARNES ¤2689386
42 75 & EDWARD FRENCH 8 2761004
18 ROBERT E WEBSTER 2763939
31 82 &*AMER INDN NRSNG HM 2763018
38 REV HAROLD HANSON -2762348
72 *LAVEEN INDIAN HM 2762102
24 8201*AMER INDN NRSNG HM 2760822
20 83 &*COMMUNITY SRVC CTR¤2686592
40 BILL MARTINS ¤2689068
23 NO # LEE BOWERS 8 2762020
NO # S CIENFUEGOS 2 2684297
54 NO # L L COOK ¤2760266
5 NO # BILLY G ELLINGTON8 2766834
5 NO # ISABEL GONZALES 3 2769573
NO # HOPE HOWARD 2764515
1 NO # A G LONG 2760083
NO # BENNIE MINTON -2686517
NO # MELVIN MINTON 1 2682973
3 NO # DANNY MUNDALL 2689387
2 NO # DANNY MUNDALL 2762129
1 NO # ROBERT M SMEAD 2763578
1 NO # ROGER H STEVENS 8 2682909
NO # WILLIAM H TERRELL ¤2764515
40 RESIDENCE 8 BUSINESS

BEARDSLEY RD E 85024

Target Street	Cross Street	Source
✓	-	Cole Criss-Cross Directory

W BASELINE RD 1967

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BASELINE RD W                                   85041
      FROM 7600 S
      CENTRAL W
.....      1-  699 TZ 109 $C..X16
    1*BASELINE LIQR STRE 2761081
    9*BAR-SHE-NEA SALON  2762821
   25*PUT&TAKE FOOD STR  2763420
   33*TURKS             -2760870
   48*MASONIC TEMPLE     2761732
  ..  7600 S 1ST AV INTS  ..
  101 ALFRED D JOHNSON   2766673
  105 JACK DONG        6 2764062
  111 T C WARD           2765345
  115 BILLY G SHIELDS  6 2765979
      *COMMERCIAL SIGNS  2765979
  121 BARBARA J SMITH   ¤2766906
      CHARLES F SMITH   ¤2766906
  131*B&B ROOFING        2766833
      BERT R BAKER       2766833
  211 LEON J CALDWELL    2764895
  515 CLYDE LEGGETT     ¤2769842
  528*FIRGIDR QCK CL CNT 2769930
  602*CIRCLE K FOOD STRS 2769864
  625 VERA P ANDERSON    2761273
  635*WHITEYS ENCO SERV  2764378
  640*LINDYS STH MTN 66 ¤2760862
  699 ROLLAND L MOORE  4 2763323
.....   700- 7599 TZ 108 $D..W14
  ..  7600 S 7TH AVE INT  ..
  708 BOB FITE           2769577
  726 J P DIDIER         2769597
  888 C A RIEGER         2769617
 1127 GENE WATANABE      2760578
 1445*K A S RADIO STATIN¤2764241
 1501*TALLEYHO APTS      2762758
      *CARL STEVENS MGR  2762758
      *STEVENS CONSTRCTN 2762758
      S UNKEFER III    6 2763672
      ALMA HATTABAUGH   ¤2766641
      RAY MILLER        ¤2768811
      CARL A STEVENS   3 2760178
 1516 PHILIP A SEESE   4 2763936
 1521 JOE SANCHEZ       -2764044
 1702 D W D HALEY        2765360
 1716 ALBERT RHODERICK 5 2764090
 1726 SILAS E DAMON      2763262
 1734 WILLIAM N BLAIR    2761374
 1742 W G HALEY          2763448

      ..OUTSIDE P Z AREA ...
 1923*COST PLUS TEN SPRT 2680622
 1947 CHARLES R ADAMS   ¤2761513
      GLADYS BEALS      4 2762616
      HOWARD LOUCH      ¤2762857
      WAYNE MOORE       ¤2763120
      RUDOLPH H HOFFA  5 2763157
      JEFFREY L REYNOLDS-2764489
      JAMES L HUNT JR   ¤2680756
 2340 J C DOUTHIT        2763937
 2500 CLARENCE LAY       2761585
 41 & O E WAHLBERG JR  5 2766597
 44 & BETTY BUDZISZ    ¤2765859
 4702 GILBERT ROGERS    -2764024
..... T Z INFO NOT AVLBL .......
 NO # FRANK CARPINA    ¤2681044
 NO # LAURA L COOK       2760266
 NO # W H HAGGARD        2763939
 NO # CLARENCE B HOLBROK¤2763966
 NO # HOPE HOWARD        2764515
 NO # ARNOLD KING       ¤2761828
 NO # A G LONG           2760083
 NO # TOM MULQUIN        2762510
 NO # DANNY MUNDALL    4 2762129
 NO # B A RAHMATULLA   ¤2761561
 NO # TIM E SCHNATZMEYER¤2763929
 NO # ROBERT M SMEAD     2763578
 NO # JOSEPH TALLA       2761446
 NO # KEN WATANABE       2763309
       52 RESIDENCE  16 BUSINESS
BEARDSLEY RD W
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APPENDIX J

QUALIFICATIONS OF CEC PERSONNEL

Ryan D. Dunning

Principal

Mr. Dunning is a Principal Geologist with18 years of experience in matters involving environmental and earth science. Mr. Dunning is responsible for technical program development and management, QA/QC technical review, technical staff training and administration, cost and schedule control, and client development and relations. He is experienced in environmental due diligence, due care, petroleum and industrial site investigation and remediation, UST management and corrective action, asbestos management, regulatory compliance and permitting, and facility decommissioning. Additionally, Mr. Dunning has extensive experience associated with environmental real estate issues and brownfield redevelopment.

He managed and performed numerous development feasibility studies for various clients including a national grocery store chain, developers, and property owners. The studies included reviewing zoning code requirements, site plan submittal schedule and provisions, costs associated with various municipal regulations and utilities connections, meetings with municipal planners and officials, and numerous other development related issues.

Mr. Dunning managed and performed numerous Phase I and II Environmental Site Assessments (ESAs) in Michigan, Ohio, Indiana, Illinois, Kentucky, New York, Pennsylvania, and Florida for a variety of clients, including real estate developers, lending institutions, and individual property owners. Activities included proposal and report preparation, site reconnaissance, and historical and regulatory research.

He has prepared numerous BEAs for a variety of clients, including real estate developers, lending institutions, and individual property owners/investors. Many of these projects also included Section 20107a Due Care Compliance Analyses. Activities included proposal preparation, data reduction and presentation, report preparation, and interface with regulatory officials.

Mr. Dunning managed and performed of numerous asbestos building inspections for a variety of clients, including real estate developers, construction and demolition companies, lending institutions, and individual property owners throughout Michigan. When necessary for renovation or demolition purposes, oversight and management of abatement activities have been completed as well.

He has managed UST removal and remediation projects for various petroleum and commercial companies at filling stations, bulk fuel plants, and commercial/industrial sites. Specific duties included work plan preparation, supervision and coordination of installation, removal, and remediation activities, coordination of numerous waste streams, verification sampling, and regulatory reporting, permitting, and communication.

Mr. Dunning also has experience with hollow stem, rotary, sonic, and core drilling equipment; direct push sampling rigs; soil, soil gas, and groundwater sampling

EDUCATION

B.S., Geology, Eastern Michigan University

A.S., Natural Sciences, Washtenaw Community College

CERTIFICATIONS

Certified Storm Water Operator - Industrial Site

PROFESSIONAL AFFILIATIONS

American Institute of Professional Geologists

ASTM International

Air & Waste Management Association

Environmental Bankers Association

International Council of Shopping Centers

Michigan Association of Environmental Professionals

Michigan Manufacturers' Association

methods; data loggers for single and multiple well aquifer testing; aquifer performance analysis; groundwater modeling; ground penetrating radar; electromagnetic geophysical survey equipment; and laser induced fluorescence equipment.

PROJECT EXPERIENCE

Gas & Oil | Well Pads

Crude Oil Release Investigation Third Party Review, Confidential Client, MI

On behalf of an environmental insurance company, provided oversight and technical peer review of another firm's investigation of a subsurface crude oil release from a central tank battery in a major Michigan oil field. Mr. Dunning also conducted a forensic investigation into the cause and nature of the release to facilitate a determination of coverage.

Public Sector | County

Remedial Investigation and Design, Detroit/Wayne County Metropolitan Airport, Romulus, MI

Performed remedial investigations and remediations on 35 individual properties with soil and groundwater contamination in Romulus, Michigan to facilitate the development of a fourth runway, a new access road, and a new terminal for the Detroit/Wayne County Metropolitan Airport. These sites included leaking UST sites, hazardous waste sites, and a landfill.

Public Sector | Municipal

Brownfields Grant Assistance, City of Troy, MI

Managed the procurement of brownfield funding to assist with the redevelopment of a brownfield site into a national bank branch in Troy, Michigan. Mr. Dunning managed the preparation of a Brownfield Plan, which was submitted to the Brownfield Redevelopment Authority and approved. As part of the plan, the City of Troy allocated $481,000 through tax increment financing to fund demolition, due care activities, and remediation of metals and hydrocarbon contaminated soil and geotechnically unsuitable fill. Mr. Dunning has since overseen these activities and the site has been successfully redeveloped.

Public Sector | State

Remedial Investigation of Abandoned Marina, Michigan Department of Environmental Quality, Fenton, MI

Managed a large-scale remedial investigation on a hydrocarbon plume at an abandoned marina in Fenton, Michigan. Mr. Dunning served as a contract Project Manager for the Michigan Department of Environmental Quality overseeing an engineering and consulting firm and a trade contractor. Provided investigation oversight, plan development, and report and invoice review and approval.

Remedial Investigation and Feasibility Study for Chlorinated Solvents Contaminated Site, Michigan Department of Environmental Quality, Hillsdale, MI

Conducted a geophysical investigation and large-scale remedial investigation to address a chlorinated solvents plume nearly 2,000 feet long for the Michigan Department of Environmental Quality in Hillsdale, Michigan. Prepared a Part 213 Final Assessment Report and Focused Feasibility Analysis. Designed a remediation system for the groundwater contamination consisting of an ozone sparging system, groundwater collection trenches, a groundwater "pump and treat" system, and installation of an impermeable "slurry wall" to stop contaminated groundwater migration. Mr. Dunning prepared a biddable specification package, to be distributed for an open bid, to remediate 15,000 tons of contaminated soil, remove USTs, and install new drinking water wells at two residences. Mr. Dunning also provided engineering oversight and management during the remediation activities.

Real Estate | Industrial

Remedial Investigation and Feasibility Study of 45-Acre Industrial Site, Battle Creek, MI

Performed a remedial investigation on a large industrial property in Battle Creek, Michigan. Installed 140 soil borings and 80 monitoring wells on the 45-acre industrial site to define extent of metals and chlorinated solvent contamination in soil and groundwater. Conducted a 24 hour aquifer pump test. Interpreted and compiled hydrogeologic data from the onsite wells to determine aquifer performance and groundwater contamination distribution. Prepared a Remedial Action Plan, including a feasibility study of various remediation methods that facilitated the reuse of the site as research and development facility for a Fortune 500 company without major remediation expenditures.

Remedial Investigation and Feasibility Study of Junk Yard Site, Northern Michigan

Performed remedial investigation and feasibility study to remediate hydrocarbon and metals contaminated soil at an operating junk yard situated within federally protected wetlands in Northern Michigan. Prepared a specification package to remove perform "hot spot" remediation and cap the remainder of the site with an impermeable clay material to prevent surface water infiltration and commingling of potential future releases of hydrocarbons from the junk yard. Also performed long term monitoring to verify the effectiveness of the cap.

Real Estate | Retail

BEA for Retail Strip Center, Garden City, MI

Prepared and submitted a Category "S" BEA for a large retail strip center in Garden City, Michigan. Conducted a Phase I and II ESA on an operating dry cleaner to facilitate the preparation of a BEA and 20107a Compliance Analysis to be submitted to the MDEQ for an exemption from liability. The BEA was conducted to establish a means of differentiating between existing

contamination and any potential future releases of dry cleaning solvent. Physical barriers and isolation zones were established to meet MDEQ requirements. The BEA was affirmed by the MDEQ.

Solid Waste | Landfill

Environmental Assessment of Abandoned Landfill, Fort Gratiot, MI

Managed an assessment of an abandoned landfill in Fort Gratiot, Michigan to determine its condition and assisted in the preparation of a plan to reopen the facility to accept waste. After submittal of the plan and negotiations with the State of Michigan and the St. Clair County Health Department, the facility reopened as a Type II landfill.

TRAINING

Continuing Education-Seminar/short course-ASTM E1527 Phase I Training

OSHA-HAZWOPR Initial

OSHA-HAZWOPR Refresher

Robert S. Livermore, GIT

Principal

Mr. Robert Livermore is a Principal located in the Phoenix, Arizona office. He has over 30 years of experience in the geological and environmental disciplines. Mr. Livermore is familiar environmental assessments, facility compliance audits, mine closure and construction management. He has conducted numerous subsurface soil exploration, environmental assessment, compliance audits, and contaminant remediation projects for numerous sectors. He has a strong geological background and has extensive experience in directing environmental services. Responsibilities have included the management and direction of a multidisciplinary staff of geologists, hydrogeologists, auditors, environmental engineers, and industrial hygienists. In addition, he has been an expert witness for RCRA related issues, conducted water resource evaluations, and water related issues to clients in the Southwest. He has conducted and directed numerous subsurface soil explorations, environmental assessments (Phase I/II), contaminant remediation projects, environmental compliance audit programs, and merger and acquisition/divestiture projects. Mr. Livermore is familiar environmental assessments, facility environmental health and safety (EH&S) compliance audits and construction management. He has led or participated in more than 50 major multimedia EH&S compliance audits to assess internal compliance with local, state and federal environmental standards.

Mr. Livermore principal focus in the last few years relates to major projects in the Mining and Metals sectors, working across the Project lifecycle. The majority of his work in recent years has been with the extractive industries with regional experience in Europe, Africa, Indonesia, Latin America, the US, and Canada. He has also been involved in various capacities at gold, copper, molybdenum, lead/zinc, and other mining assets in North America for the last seven years.

Mr. Livermore has directed numerous compliance audit and environmental assessments in the Western U.S. for mining, manufacturing, semiconductor, power sector, developers, and law firms. Responsible for developing technical teams, project execution, report review and delivery for over 50 EHS audits and compliance related matters in the last few years.

EDUCATION

B.A., Anthropology/Earth Science, University of California, Berkeley

REGISTRATIONS

Geologist in Training

- *AZ 06335*

CERTIFICATIONS

Certified Environmental and Safety Compliance Officer

Certified Environmental Manager

PROFESSIONAL AFFILIATIONS

Association of Environmental and Engineering Geologists

National Association of Environmental Professionals

National Groundwater Association

National Mining Association

Society for Mining, Metallurgy, and Exploration, Inc.

PROJECT EXPERIENCE

Mine Environmental, and Risk Due Diligence, Tronox, North America

Conducted date file review on former Kerr McGee mining assets and liabilities for a revised 10K report for a company coming out of bankruptcy. Reviewed former coal, phosphate, copper, uranium, and trona mining/mill operations and exploration properties throughout North America to develop liability estimates in conjunction with an accounting firm to establish baseline liability estimates for these former assets and to estimate the environmental Asset Retirement Obligations (AROs).

Due Diligence and Compliance

Mine Environmental and Risk Due Diligence, Confidential Client, North America*

Conducted site tour and environmental review for the proposed purchase of a trona soda ash mine in Southern Wyoming and related aboveground and underground operations. The operation consists of 88,000 acres of lease holdings, nine soda production units in four production plants across two mine sites. Reviewed data room

information and previous environmental due diligence reports from 2015 to 2017 to develop conclusions regarding potential contamination issues, compliance matters, and material environmental business risks based on the desktop review and site visits noted above. These conclusions were submitted in a tabular report with best and worst case scenario summarizing operational issues that had the potential to represent environmental related costs in excess of $1,000,000.

Multimedia Audits, Confidential Aerospace Client, Phoenix, AZ*

Directed revisions and updates for various compliance issues and performed regulatory gap assessments at five facilities for the same client. Principal on yearly environmental compliance support (air, waste, and water) including SPCC and SWPPP plans for one facility in Arizona since 2012.

Environmental Audit Reviews, Confidential Mining Client, Africa and Europe*

Coordinated and reviewed environmental audits for major mining company at their facilities in the DRC, Spain, Finland, and Netherlands.

Operational Mine Environmental Due Diligence, Confidential Mining Client, Nevada*

Worked as a sub-consultant to an A/E firm that conducted the engineering and economic evaluation of a potential purchase of a gold mine in Northern Nevada. Mr. Livermore conducted the data file review of all historical and current environmental issues at the mine and related processing facility. Conducted closure estimate reviews, bonding status, and overall environmental/regulatory issues related to the site to estimate the potential environmental liabilities with the potential purchase of the mine and related assets.

Mine Environmental and Risk Due Diligence, Confidential Mining Client, AZ*

Conducted data file review and potential acquisition of the former BHP Pinto Valley Mine near Miami Arizona. Reviewed all historical permitting, closure estimates and environmental issues related to the site to estimate the potential environmental liabilities with the potential purchase of the mine and related assets.

Copper Mine EIS Assessment, Hudbay, Tucson, AZ*

Principal consultant on a third party review of environmental and social impact assessment processes and related permit review for a proposed high profile copper mine located in Arizona on behalf of Hudbay who was acquiring the property and all its assets. The project consisted of site visit, interviews, State Agency meetings and preparation of a summary report to Hudbay mining company management that assisted in responding to shareholder concerns.

Mine Greenfield Environmental Due Diligence, Confidential Mining Client, Nevada*

Coordinated and reviewed ASTM 2247-08 for three large mining properties (3,000 to 8,000 acres) in Nevada for potential gold and copper exploration.

GRI Reporting, Freeport McMoRan, Peru and Arizona*

Oversaw the collection of field representative sampling at four copper mines to benchmark Freeport's data gathering process for GRI reporting.

Environmental Due Diligence & Water Resource Evaluation, Confidential Oil & Gas Client, New Mexico, Utah, and Colorado*

Provided summary of water regulations for the States of New Mexico, Utah, and Colorado for a potential purchase of an oil fields water treatment company.

Environmental Audits, Confidential Mining Client, South America and U.S.*

Principal for environmental compliance audit for three existing gold mining/extraction facilities: the San Martin Mine, located near San Ignacio, Honduras; the El Sauzal Mine, located near Los Mooches, Mexico; and the Marigold Mine, located near Valmy, Nevada.

Water Resource Evaluation, Pine Creek Canyon Domestic Water Improvement District, Gila County, AZ*

Principal author for water resource evaluation and community involvement for the Pine Creek Canyon Domestic Water Improvement District, Pine, Arizona.

Quarterly Compliance Audits,, Ford Proving Grounds, Surprise, AZ*

Providing quarterly environmental compliance review of the Ford Proving Grounds facility in Arizona. Assisted facility with regulatory compliance consulting associated, Pollution Prevention, Consultation on compliance issues and assistance with regulatory agency interactions and correspondence, as needed

Environmental Audits, Confidential Mining Client, South America and U.S.*

Principal for project entailing the collection of all environmental compliance legal obligations at 24 mining facilities in North and South America for an Arizona mining company to input in an electronic compliance database tracking system.

Due Diligence/Environmental Audit, Confidential Investor Client, Tucson, AZ*

Performed due diligence review/audit of groundwater related permits/issues for potential investor in copper mine in Southern Arizona.

Environmental Audit, Confidential Mining Client, MI*

Performed environmental audit for iron mine in Michigan. Reviewed tailings management, SWPPPs, USTs and water related issues for the mine.

Cyanide Code Audit, International Cyanide Management Institute, U.S., Mexico and Canada.*

Coordinated/reviewed a number of cyanide code audits at gold mines that conformed to the International Cyanide Management Institute's (ICMI) audit protocols and auditor guidance. Conducted Principal's 5 and 9 as part of the audit team for a gold mine in Nevada.

Environmental Due Diligence, Confidential Global Semiconductor Manufacture, Mesa, AZ*

Project Director for in-depth Phase I/II for the purchase of a semi-conductor facility in Mesa, Arizona. Reviewed facility operations, EH&S practices, wastewater treatment processes, and subsurface sampling around the facility.

Environmental Due Diligence, Confidential Global Semiconductor Manufacture, Italy, Germany, China, UK, and India*

Project Manager/Coordinator for environmental due diligence in regards to semi-conductor divestiture sites in Italy, Germany, China, UK, and India. Sites in Germany, Italy and China required Phase II follow up and reporting.

Environmental Audit, Confidential Metals and Manufacturing Client, Visalia, CA*

Project Manager for compliance review of manufacturing facility in Visalia, California. Performed review of waste determinations, local, state, and federal environmental compliance obligations, and air permitting review.

Environmental Audits, Confidential Mining Client, South America and U.S.*

Managed former carbon black and mine assets with coordination of international compliance audit programs in 2004, 2005, and 2006, including audit protocol development, scheduling, resource allocation, and budget management. Audits were conducted on facilities located in Asia, Central America and South America.

Mine Environmental and Risk Due Diligence, Vale's Fertilizer, Mosaic, South America*

Reviewed the due diligence of Mosaic's acquisition of Vale's Fertilizer assets in Brazil and Peru. Conducted date file review related to current/past facility development and operations provided by Mosaic/Vale in conjunction with any relevant documentation associated with mine closure obligations. Lead author and coordinator of 10 Asset Retirement Obligation (ARO) reports for fiscal year 2017 following the Mosaic Legacy Management procedures and guidelines. This included site visits to observe site operations/conditions and to conduct interviews with facility personnel; obtain any documentation in regards to closure obligations, review of mine closure plans, estimates and/or social commitments; coordinated demolition estimates with a third party contractor, and developed the financial closure estimates and cash flow projections through end of mine life.

Site Investigation and Remediation

Mercury Mine Assessment, Homestake Mining Company, Northern California.*

Managed and conducted an environmental assessment of former mercury mine and process facility. Reviewed water quality data and historical data to determine the location of mine pits, adits, and processing facilities. Identified mine features and estimated areas of disturbance and overburden, as well as tailings and ore present at pit and waste rock sites to determine extent of closure activities requested by the State of California.

RI/FS Study, Motorola 52nd Street OU3 Superfund Site, Phoenix, AZ*

Principal in charge from 2010-2014 for collection of data and development of the RI/FS remedial alternatives presented in a Remedial Investigation/Feasibility Study (RI/FS) Report under CERCLA for the PRPs. The RI/FS considered impacts on GW quality and soil vapour impacts related to groundwater beneath the Phoenix downtown metropolitan area. The politically charged OU3 study area consisted of multiple defined and potential PRPs, bound by the upgradient M52 OU2 study area, and the downgradient West Van Buren WQARF site. Attended the public meetings, drafted monthly progress reports, performed QA/QC on draft and final report prior to submittal to EPA Region 9 and provided strategic liaison with stakeholders of the project.

Mine Closure, Teck Resources, Inc., Northern Arizona*

Principal on mine closure project in Arizona with over 40 open adits/stopes. Reviewed the closure design-utilizing foam and backfill techniques, coordinated the installation of bat enclosures, tailings assessment and H&S during construction closure activities that was conducted over a year's time and under budget.

EE/CA, BLM, Wickenburg Mill Site, Yavapai County, AZ*

.Participated in the Preliminary Assessment and Focused Site Inspection (PA/Focused SI) at the Wickenburg Mill site in Yavapai County, Arizona for the BLM.

Phase II and Groundwater Investigation, United Metro Materials, Phoenix*

Project Director of a characterization/ remediation at an asphalt and concrete batching plant near a state Superfund (i.e., Water Quality Assurance Revolving Fund, WQART) landfill in Phoenix, Arizona. Oversaw field activities; designed the soil and groundwater assessments; and ascertained appropriate remedial technologies. Drilled and sampled over 39 borings and installed five groundwater monitoring wells to assess subsurface conditions and groundwater quality.

Mine Asset Risk Review, Confidential Client, Various Sites, U.S.*

Principal involved with records review and determining mining companies' remediation and environmental risks and reserves for sites in Arizona and New Mexico on behalf of law firm.

Mine Asset Risk Review, Confidential Mining Client, Various Sites, U.S.*

Performed file review and provided remediation cost to closure for a large confidential mining portfolio of over 1,000 properties (copper, gold, coal, phosphate, uranium, and other base metals) throughout the United States to update company's 10K report.

Decontamination and Building Risk Review,, Saint Gobain, Phoenix, AZ*

Directed arsenic removal and decontamination in a clean room from a semi-conductor parts cleaning facility. Facilitated closure to the satisfaction of buyer and met quick timeframes for removal by client.

Expert Witness, Various Property Owners through Bryan Cave Law firm, Tempe, AZ*

Served as expert witness for Arizona superfund site in Superior court. Represented 13 property owners whose properties were being condemned by the City of Tempe for environmental issues related to old landfills and spills. The case was decided in the property owners' favour who received full compensation for their properties.

Mine Asset Risk Review, Confidential Client, Various Sites, U.S.*

Provided risk review for a mining portfolio of sites in Arizona and Colorado and estimated costs for closure for an insurance company.

Phase I/II and Groundwater Investigations, Convenience Store Operator, Southwest U.S.*

Managed multiple UST removals for a petroleum distribution company at over 300 locations throughout Arizona and Nevada, which typically involved a subsurface soil investigation, soil sampling, data analysis, UST removal and demolition, and report preparation. Several projects included UST demolition of service facilities and on- and off-site remediation of petroleum-impacted soil. Utilized limited health risk assessments at several sites to secure site closure.

Site Remediation, Unocal Oil & Gas, Phoenix and Flagstaff, AZ*

Managed the implementation of a multi-phase soil assessment and remediation project at multiple UST sites in Phoenix and Flagstaff, AZ, for a petroleum and asphalt distribution company. At the Phoenix site, removed contaminated soil plumes to 35 feet by trackhoes and to depths of 75 feet using an overlapping drilled-shaft excavation method. Transported more than 5,000 cubic yards of petroleum-contaminated soil offsite for treatment with bioremediation. At the Flagstaff site, removed contaminated soil/sludge plumes to maximum depths of 35 feet by trackhoes. Treated over 600 cubic yards of petroleum-contaminated soil with an on-site incinerator. Secured site closure from the Arizona Department of Environmental Quality (ADEQ) for both sites within 12 months.

UST Management and Groundwater Investigations, Circle K Corporation, Nevada*

Coordinated all aspects of UST management for a chain of gasoline dispensing stations (88 active sites) in the Las Vegas, Nevada, and metropolitan area from 1992 to 1995. This included conducting Phase I/II, UST removal and upgrades, State reimbursement applications, agency liaison and negotiations, subsurface soil investigation, soil/groundwater sampling, data analysis, and report preparation. Several projects included UST demolition of service facilities and off-site remediation strategies.

Landfill Environmental Site Assessment, Various Sites, Northern California.*

Project Geologist for the assessment of landfill gas migration for three municipal landfills in California. Performed soil and ground water assessments at each site. Operated and maintained gas collection well fields, which provided fuel for on-site electric generating stations.

Phase I/II and Groundwater Investigations, Mare Island Naval Shipyard,, Vallejo, CA*

Project Geologist responsible for conducting the fieldwork for an extensive Phase II subsurface soil assessment at a naval ordnance disposal area in California. Drilled and installed over 40 monitoring wells. Assessed waste oil dump areas, explosive dump areas, heavy metals-impacted sites, industrial process areas, and on-site fuelling facilities.

Various Sites, Confidential Client, Western U.S.*

Supervised drilling exploration activities using both reverse circulation and core drilling rigs at numerous gold prospects in Nevada and New Mexico. Conducted preliminary survey for road access for drilling rigs, oversaw set up and safety conditions of drilling operators and logged the geology of the borings, documenting alteration zones with depth.

** Work performed prior to joining CEC*

TRAINING

Geologist-in-Training (G.I.T.), Arizona (No. 06335)

Certified Environmental Manager, Nevada (No. EM-1050)

Certified Environmental and Safety Compliance Office (No. 9677010091170110)

First Aid/CPR Training 2016

Mine Safety and Health Administration (MSHA), Surface Miner Training, 2009-Current

Roadway Worker Certification per FRA 214.374 of the Roadway Worker Safety Standards, 2006

8-Hour Supervisory Training (29 CFR 1910.120), 1995

"OSHA Trenching and Shoring," American Society of Safety Engineers, 1991

40-Hour OSHA Health & Safety Certification (29 CFR 1910.120), 1988

PUBLICATIONS

Livermore, R. and M. Ellis "EPA CERCLA 108(b) Financial Assurance: Superfund Financial Responsibility", issue of the American Bar Association (ABA) Section of Environment, Energy and Resources Superfund and NRD Litigation Committee Newsletter, May 2017.

Livermore, R.S. and G.R. Turney, "Multifaceted Remedial Program," Westech Topics, 1991.

Livermore, R., "You and USTs: Requirements for Underground Storage Tanks," Arizona Business and Development, 1990.

PRESENTATIONS

"Non-Technical Considerations in the Due Diligence Process of Mining Transactions" presentation at the SME National Conference in Denver, February, 2017.

Livermore, R., "The Eleventh Commandment-LUST," WT Environmental Symposium, 1992.