

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

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

Prepared for:

LINES BROTHERS LAND & CATTLE, LLC

Prepared by:

**CIVIL & ENVIRONMENTAL CONSULTANTS, INC.
PHOENIX, ARIZONA**

CEC Project 182-001

September 14, 2018



Civil & Environmental Consultants, Inc.



September 14, 2018

Dr. Ruskin R Lines
Lines Brothers Land & Cattle, LLC
2415 S. Rural Road, Suite A
Tempe, AZ 85282

Dear Mr. Lines:

Subject: Report of Phase I Environmental Site Assessment
Baseline Road Proposed Right-of-Way Northwest
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.


Stephen D. Doss
Project Manager


Ryan D. Dunning
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 Northwest South 59 th Avenue and Baseline Road, Laveen, Arizona
INTENDED USER(S):	City of Phoenix
PROPERTY/TAX ID:	Portions of 104-86-007
PROPERTY OWNER:	Lines Brothers Land & Cattle, LLC
PROPERTY DESCRIPTION:	
Land Area:	1.062 Acres
Improvements:	None
Water/Sanitary:	Municipal water/sewer available
Heating Fuel:	Natural gas available
CURRENT USE:	Agricultural land
HISTORIC USE:	Agricultural land since at least 1936.
ADJACENT PROPERTY USE:	North: Agricultural land East: S 59 th Avenue with vacant land and a golf course beyond South: Baseline Road with agricultural land beyond West: Agricultural land and Loop 202 development
SIGNIFICANT DATA GAPS:	None identified
RECOGNIZED ENVIRONMENTAL CONDITIONS (RECS):	None identified

TABLE OF CONTENTS

	<u>Page</u>
1.0 INTRODUCTION	1
1.1 PURPOSE.....	1
1.2 SCOPE OF SERVICES	1
1.3 SIGNIFICANT ASSUMPTIONS.....	3
1.4 LIMITATIONS AND EXCEPTIONS.....	4
1.5 SPECIAL TERMS AND CONDITIONS	5
1.6 USER RELIANCE	5
2.0 SUBJECT PROPERTY DESCRIPTION	6
2.1 LOCATION AND LEGAL DESCRIPTION	6
2.2 SUBJECT PROPERTY AND VICINITY GENERAL CHARACTERISTICS	6
2.3 CURRENT USE OF THE SUBJECT PROPERTY	6
2.4 DESCRIPTION OF STRUCTURES, ROADS, AND OTHER IMPROVEMENTS	6
2.5 CURRENT USES OF THE ADJOINING PROPERTIES	7
3.0 USER PROVIDED INFORMATION	8
4.0 RECORDS REVIEW.....	9
4.1 ENVIRONMENTAL RECORD SOURCES.....	9
4.2 PHYSICAL SETTING SOURCES	10
4.3 HISTORICAL USE INFORMATION ON THE SUBJECT PROPERTY AND ADJOINING PROPERTIES	11
4.4 HISTORICAL USE SUMMARY.....	14
5.0 SUBJECT PROPERTY RECONNAISSANCE	15
5.1 METHODOLOGY AND LIMITING CONDITIONS	15
5.2 GENERAL SUBJECT PROPERTY SETTING	15
5.3 SUBJECT PROPERTY WIDE OBSERVATIONS	15
5.4 INTERIOR OBSERVATIONS	17
5.5 EXTERIOR OBSERVATIONS	17
5.6 ADJACENT PROPERTY OBSERVATIONS	18
6.0 INTERVIEWS	20
6.1 CURRENT OWNER.....	20
6.2 CURRENT MANAGER.....	20
6.3 CURRENT OCCUPANTS	20
6.4 GOVERNMENT OFFICIALS	21
6.5 OTHER INTERVIEWS.....	21
7.0 EVALUATION	22
7.1 FINDINGS.....	22
7.2 OPINIONS.....	22
7.3 SIGNIFICANT DATA GAPS	23
7.4 CONCLUSIONS	23
8.0 DEVIATIONS	24
9.0 ADDITIONAL SERVICES.....	25
10.0 REFERENCES	26
11.0 QUALIFICATIONS AND SIGNATURES OF ENVIRONMENTAL PROFESSIONALS.....	27

FIGURES

- Figure 1 Subject Property Location Map (USGS Topographic Map)
Figure 2 Subject Property Diagram

APPENDICES

- Appendix A Legal Description and Assessing Information
Appendix B Photographs
Appendix C User Provided Information
Appendix D EDR Radius Map Report
Appendix E File Review and Interview Documentation
Appendix F EDR Aerial Photographs
Appendix G EDR Historic Topographic Maps
Appendix H EDR Sanborn Map Report
Appendix I EDR City Directory Abstract
Appendix J Qualifications of CEC Personnel

1.0 INTRODUCTION

This report documents the results of a Phase I ESA for the vacant agricultural property located at the northwest corner of South 59th Avenue and Baseline Road in Phoenix (Laveen), Maricopa County, Arizona (the “Subject Property”). CEC conducted this assessment on behalf of Lines Brothers Land & Cattle, LLC in accordance with our proposal, dated May 8, 2018. Lines Brothers Land & Cattle, 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 user¹ 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 interior and exterior portions 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 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 Lines Brothers Land & Cattle, 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 Lines Brothers Land & Cattle, 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 north side of Baseline Road, extending approximately 500 feet west from South 59th Avenue, and consists of the southern approximately 120 feet of Parcel 104-86-007 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 1.062-acre Subject Property is comprised of an irregularly-shaped swath of vacant agricultural land encompassing an approximately 500' x 120' area adjoining the north side of Baseline Road. The northern half of the Subject Property consists of a hay field and southern half consists of a grassy drainage feature along Baseline Road, bookended by concrete culverts.

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 Lines Brothers Land & Cattle, LLC and is occupied by a hay 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 500' x 120' area adjoining the north side of Baseline Road. The northern half of the Subject Property consists of a hay field and southern half consists of grassy

drainage feature along Baseline Road, bookended by concrete culverts. 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 a hay field; to the east South 59th Avenue with vacant land beyond; to the south by Baseline Road with agricultural land beyond; 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, dated 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 1,200 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 the 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 parcel 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 64.32-acres in size and used as agricultural or vacant land. The parent parcel has been owned by Lines Brothers Land & Cattle, LLC since 2002. 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 north and east as agricultural cropland. The adjacent properties to the east and south appeared to be undeveloped, except for a few small agricultural-type structures developed on the adjacent property to the northeast in 1954.

The 1961 through 1986 aerial photographs depicted the Subject Property and the adjacent properties to the north, west, and south to be to be agricultural cropland. The adjacent property to the east 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 adjacent property to the east 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 adjacent property to the east was redeveloped as a golf course/driving range.

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

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 to the west, north, and south as undeveloped. The adjacent property to the east 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 has been used as agricultural cropland since at least 1936.

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 adjacent property to the east, 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 500' x 120' area adjoining the north side of Baseline Road. The northern half of the Subject Property consists of a hay field and southern half consists of grassy drainage feature along Baseline Road, bookended by concrete culverts.

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 northern portion of the Subject Property is used to grow crops (hay 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

CEC did not observe transformers on the Subject Property.

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, with the exception of a small stack of broken asphalt relative to some temporary road widening immediately adjacent to the west.

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 two storm water culverts, one at the east and west ends of the Subject Property, connected by a shallow drainage swale. No obvious visual evidence of spills or staining was observed in the vicinity of these structures.

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:** Large hay field.
- **East:** South 59th Avenue with vacant property and a golf course beyond.
- **South:** Baseline Road with a large agricultural field beyond.
- **West:** Agricultural field and 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 Dr. Ruskin Lines, the Subject Property owner, on July 31, 2018 via telephone. Mr. Lines stated that he has owned the Subject Property under the Lines Brothers Land & Cattle, LLC name for approximately 16 years, but as a family property for many years before that. He was not aware of the name or contact information for the previous owner. He indicated that the property has never been developed and has always been used to grow crops. Mr. Lines was not aware of any environmental concerns at or surrounding the Subject Property. Mr. Lines also completed a City of Phoenix Dedication Application, which is included in Appendix E.

6.2 CURRENT MANAGER

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

6.3 CURRENT OCCUPANTS

CEC interview Mr. Steve Perez of Phillippe Perez Farms, Inc., the farm lessee of the Subject Property. Mr. Perez indicated that he has farmed the Subject Property for at least 30 years and has grown cotton, alfalfa, barley, sorghum, corn, etc. He indicated that the property has never been developed and has always been used to grow crops, to the best of his knowledge. Mr. Perez indicated that he has used pesticides on the crops over the years, but he does his best to use as little as possible. 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. Perez was not aware of any environmental concerns surrounding the Subject Property.

6.4 GOVERNMENT OFFICIALS

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

6.5 OTHER INTERVIEWS

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 1.062-acre Subject Property has been used as agricultural cropland since at least 1936.
- 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 adjacent property to the east, 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 1,200 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 1936 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, contact information for the property owner prior to the Lines family more than 20 years ago was not readily available. 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

Lines Brothers Land & Cattle, LLC did not request the performance of additional services as part of this Phase I ESA.

10.0 REFERENCES

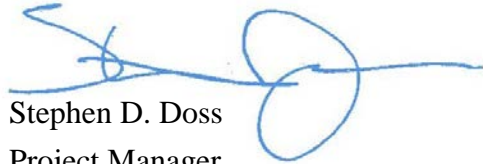
- **Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process;** ASTM; 2013
- ***CEC's Proposal for Phase I Environmental Site Assessment;*** May 8, 2018
- ***"Fowler, AZ" 7.5 Minute Topographic Quadrangle Map;*** United States Geological Survey, 2014
- ***Geological 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 Steve Doss, 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:



Stephen D. Doss
Project Manager

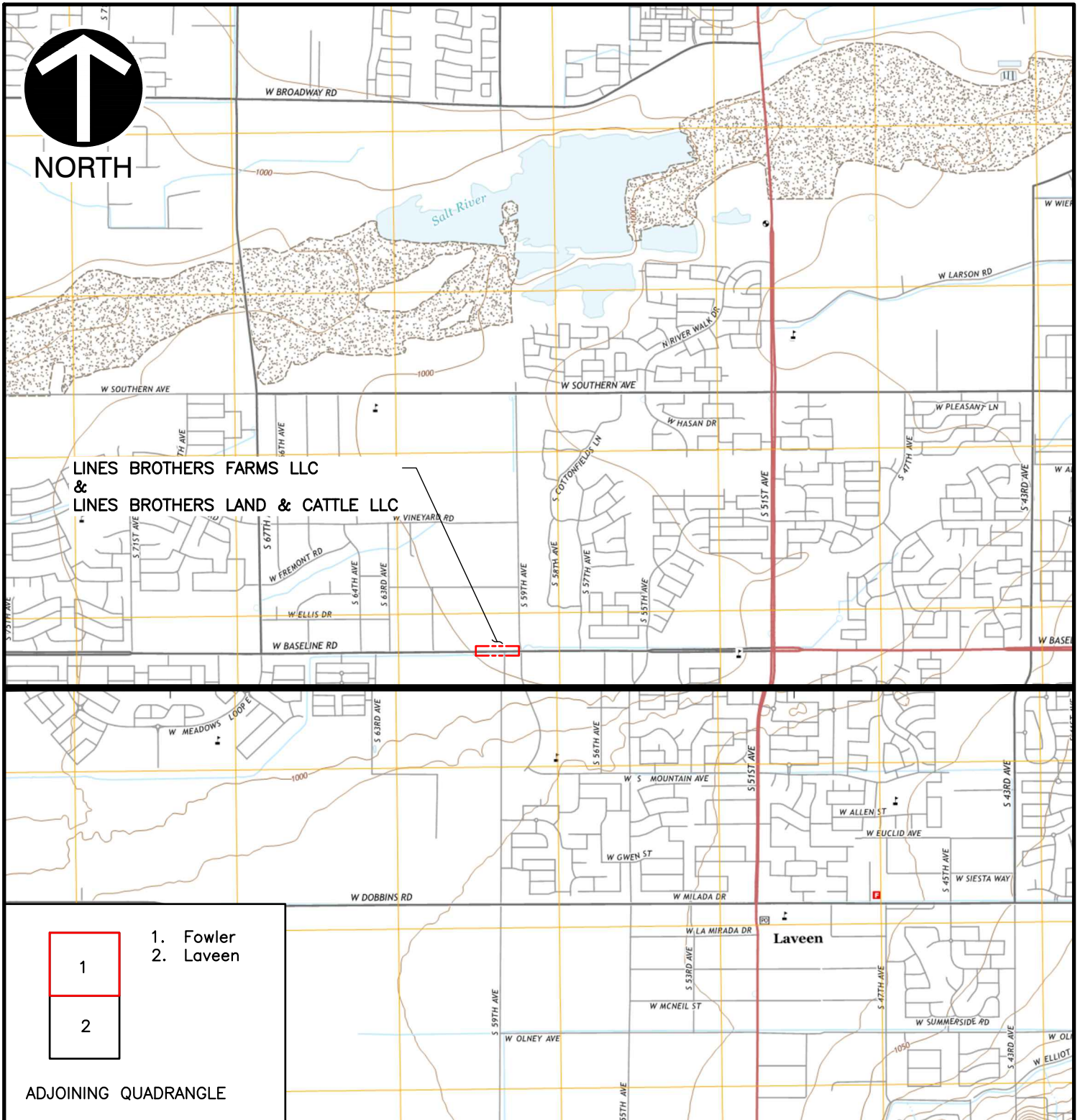
Reviewed by:



Ryan D. Dunning
Principal

FIGURES

P:\2018\182-001-CADD\Draw\Phase 1\Figures\182-001-FIG1-FIG2-FIG3-BASELINE-WEST.dwg\TOPO-NORTHWEST} LS:(7/17/2018 - jbrates) - LP: 7/17/2018 11:46 AM



LINES BROTHERS FARMS LLC
&
LINES BROTHERS LAND & CATTLE LLC

1	1. Fowler
2	2. Laveen

ADJOINING QUADRANGLE

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 NORTHWEST
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		



LOOP 202 FREEWAY
(UNDER CONSTRUCTION)

LINES BROTHERS
LAND & CATTLE LLC
APN: 104-86-007

HAY FIELD

POLE-MOUNTED
ELECTRICAL BOX

CULVERT

CULVERT

VACANT LAND

VACANT LAND

VACANT
LAND

W. BASELINE RD.

CORNFIELD

S. 59TH AVE.

VACANT LAND

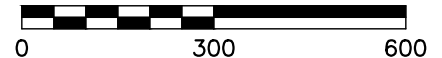
LEGEND

- - - - - APPROXIMATE AREA OF SUBJECT PROPERTY
- - - - - APPROXIMATE PARCEL BOUNDARY

REFERENCE

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

SCALE IN FEET



CEC

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 NORTHWEST
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

104-86-007 Agriculture Parcel

This is a agriculture parcel and the current owner is LINES BROTHERS LAND & CATTLE LLC. Its current year full cash value is \$63,675.

Property Information

MCR #

Description:

BEG AT NE COR SE4 SEC 31 TPOB TH W 1782F TH S 1320F TH E 858F TH S 1320F TH E 924F TH N 2640F TPOB EX S 33F RD & EX ANY POR LY S OR W OF R/W LI NO 1 DAF COM SE COR SEC 31 TH ALG S LI SD SEC W 391F TPOB TH N 33F TO NLY R/W LI OF BASELINE RD TH N 88D 42M W 192.51F TH N 40F TH N 85D 44M W 164.14F TH N 88D 20M W 284.92F TH N 288.45F TH N 8D 23M W 1675.18F TH N 9D 37M W 576.04F TH N 8D 22M W 20.48F TO PT OF ENDING ON E-W MID-SEC LI SEC 31 PER OIP 16-0475470

Lat/Long

Lot Size 2,801,686 sq ft.

Zoning C-2

Lot #

High School District PHOENIX UNION #210

Elementary School District LAVEEN ELEMENTARY SCHOOL DISTRICT

Local Jurisdiction PHOENIX

S/T/R 31 1N 2E

Market Area/Neighborhood 04/003

Subdivision (0
Parcels)

Owner Information

[LINES BROTHERS LAND & CATTLE LLC](#)

Mailing Address 2415 S RURAL RD A, TEMPE, AZ 85282

Deed Number [020755943](#)

Last Deed Date 07/26/2002

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](#)

Tax Year	2019	2018	2017	2016
Full Cash Value	\$63,675	\$62,388	\$59,816	\$63,353
Limited Property Value	\$40,615	\$38,681	\$59,816	\$60,105
Legal Class	2	2	2	2
Description	AG / VACANT LAND / NON-PROFIT R/P	AG / VACANT LAND / NON-PROFIT R/P	AG / VACANT LAND / NON-PROFIT R/P	AG / VACANT LAND / NON-PROFIT R/P
Assessment Ratio	15%	15%	15%	15%
Assessed FCV	n/a	n/a	n/a	n/a
Assessed LPV	\$6,092	\$5,802	\$8,972	\$9,016
Property Use Code	4110	4110	4110	4110
PU Description	AGRICULTURAL	AGRICULTURAL	AGRICULTURAL	AGRICULTURAL
Tax Area Code	591300	591300	591300	591300
Valuation Source	Notice	Notice	Notice	Resolution

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

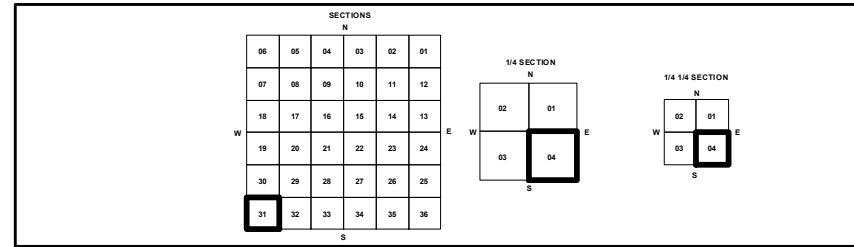
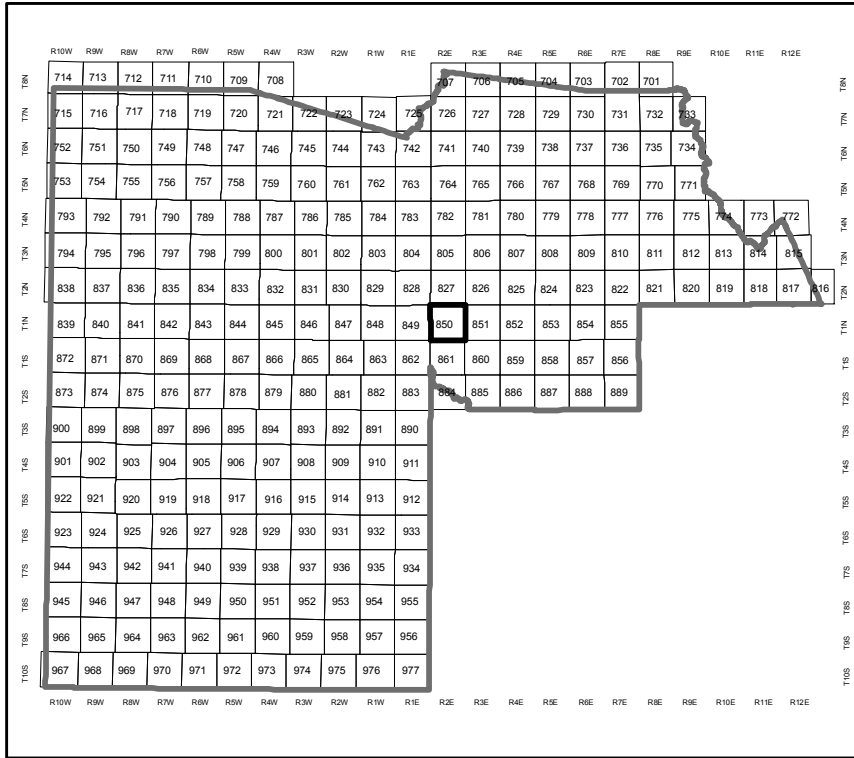
No similar parcels found.

MARICOPA COUNTY
STATE OF ARIZONA

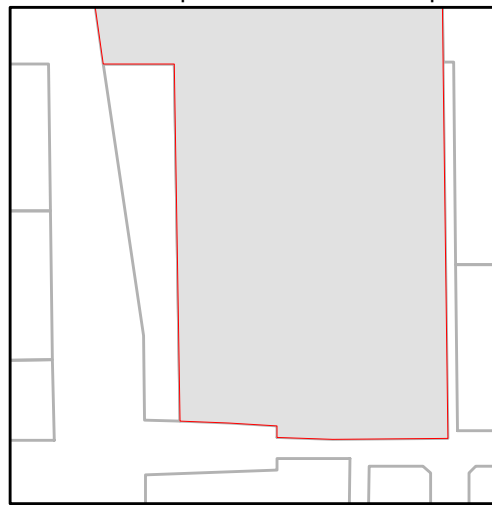
PT. SECTION 31 T01N R02E

850 - 31 - 04 - 04

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



Parcels updated within this map



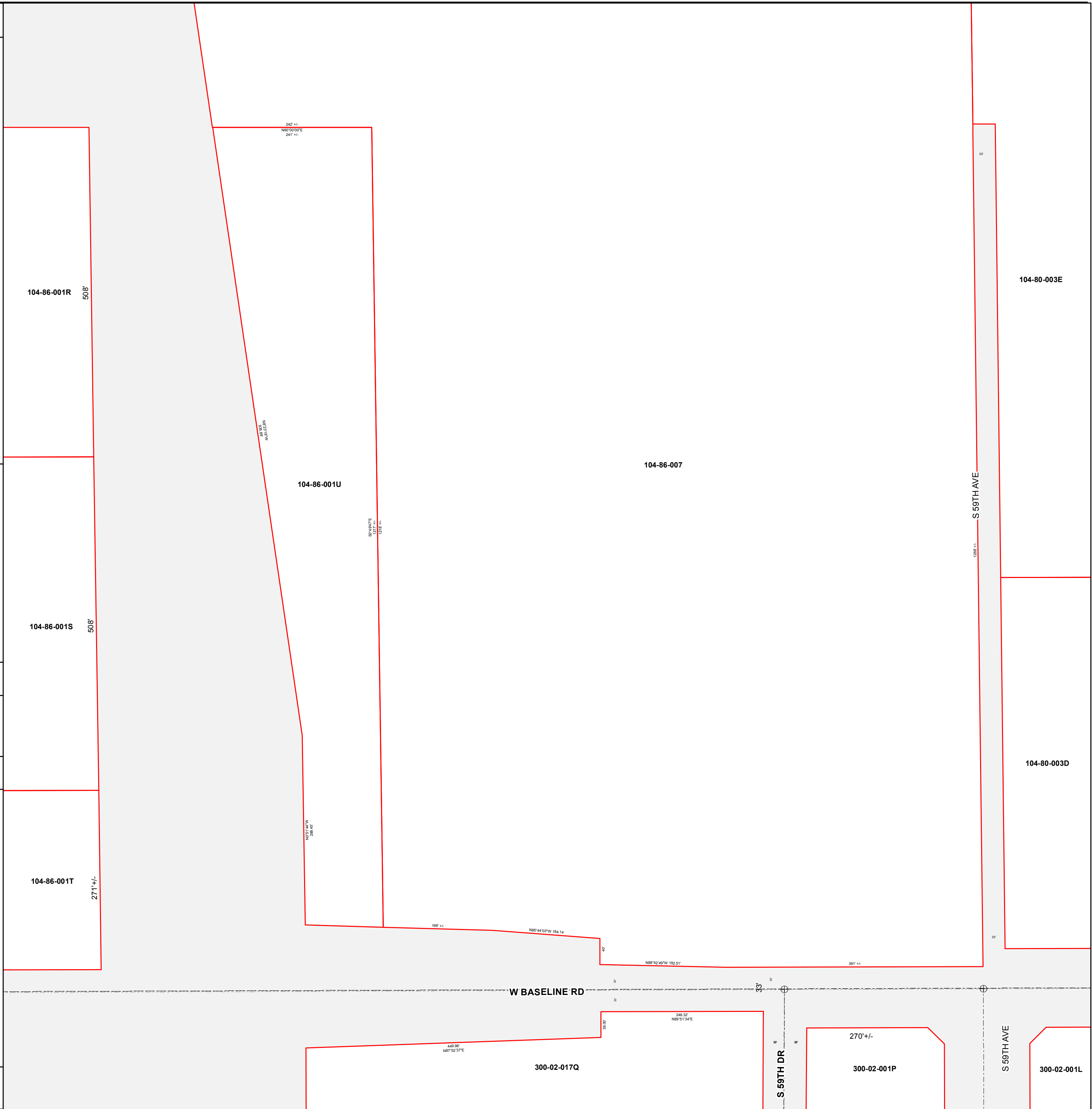
MARICOPA COUNTY ASSESSOR'S OFFICE
301 W. Jefferson Street
Phoenix, AZ 85003
Date: 11/1/2016 <http://mcaassessor.maricopa.gov/assessor/>

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.



APPENDIX B

PHOTOGRAPHS



Photo Number: 1

Direction: West

Description:

View across the Subject Property looking west



Photo Number: 2

Direction: Northwest

Description:

View of the adjacent property to the north from the eastern 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. NW, Laveen AZ

Client Name:

Lines Bros Land & Cattle LLC

Project Number:

182-001

Author:

Ryan Dunning

Photographs Taken on:

07/6/2018



Photo Number: 3

Direction: North

Description:

View of the adjacent property to the north



Photo Number: 4

Direction: East

Description:

View across the Subject Property looking east



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. NW, Laveen AZ

Client Name:

Lines Bros Land & Cattle LLC

Project Number:

182-001

Author:

Ryan Dunning

Photographs Taken on:

07/6/2018



Photo Number: 5

Direction: South

Description:

View of the adjacent property to the south along Old South 59th Avenue



Photo Number: 6

Direction: West

Description:

View of the eastern culvert



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. NW, Laveen AZ

Client Name:

Lines Bros Land & Cattle LLC

Project Number:

182-001

Author:

Ryan Dunning

Photographs Taken on:

07/6/2018



Photo Number: 7

Direction: Southwest

Description:

View of the adjacent property to the south



Photo Number: 8

Direction: West

Description:

View of the adjacent Loops 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. NW, Laveen AZ

Client Name:

Lines Bros Land & Cattle LLC

Project Number:

182-001

Author:

Ryan Dunning

Photographs Taken on:

07/6/2018



Photo Number: 9

Direction: Northeast

Description:

View of the western culvert and pad-mounted transformer



Photo Number: 10

Direction: Northeast

Description:

View of 59th Avenue and the adjacent property to the east



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. NW, Laveen AZ

Client Name:

Lines Bros Land & Cattle 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 Northwest – Lines Brothers Land & Cattle, LLC
Southern Portion of Parcel ID 104-86-007
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 Northwest
Southern Portion of Parcel ID 104-86-007
South 59th Avenue and Baseline Road, Laveen, Arizona

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

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	9
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting SSURGO Soil Map	A-5
Physical Setting Source Map	A-10
Physical Setting Source Map Findings	A-12
Physical Setting Source Records Searched	PSGR-1

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

Disclaimer - Copyright and Trademark Notice

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

Copyright 2018 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission. EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

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 Transverse 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/DEMUR 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.

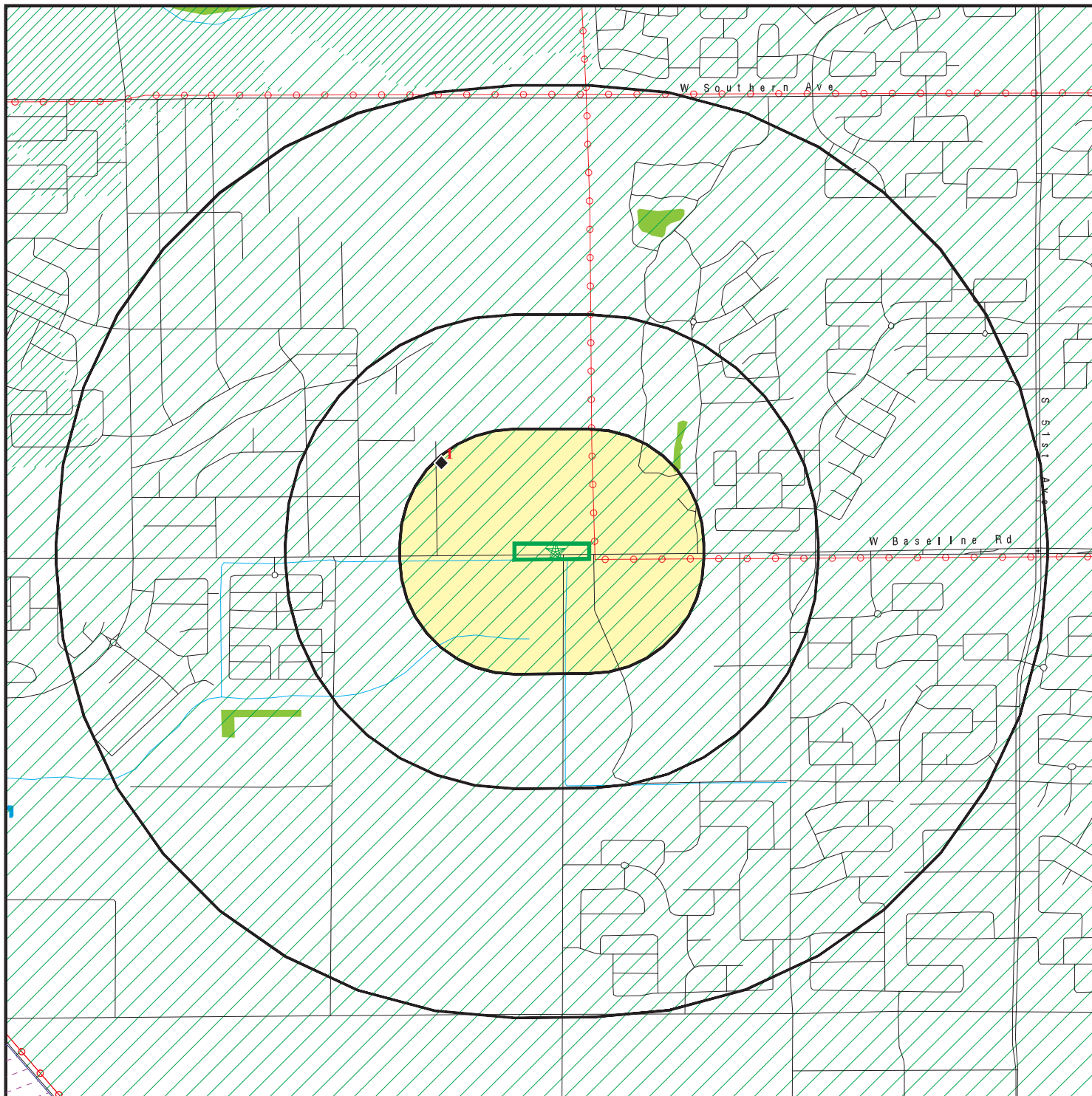
A review of the UST list, as provided by EDR, and dated 03/20/2018 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
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



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

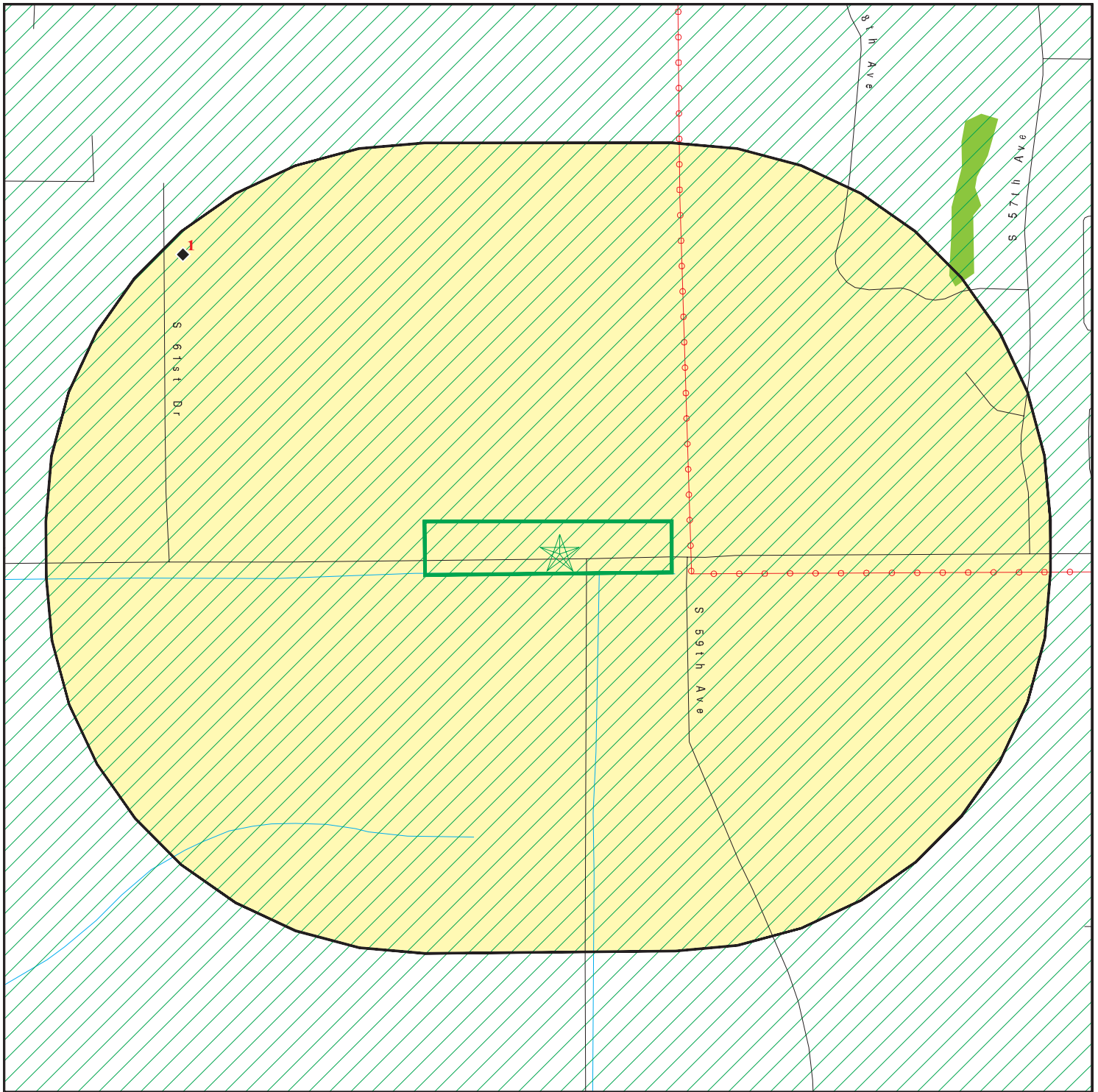



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.


SITE NAME: Baseline Road West
 ADDRESS: 5875 W Baseline Rd
 Laveen AZ 85339
 LAT/LONG: 33.377505 / 112.186513


CLIENT: Civil & Env Consultants
 CONTACT: Jared Bates
 INQUIRY #: 5349733.2s
 DATE: July 02, 2018 11:59 am

DETAIL MAP - 5349733.2S



 Target Property

 Sites at elevations higher than or equal to the target property

 Sites at elevations lower than the target property

 Manufactured Gas Plants

 Sensitive Receptors

 National Priority List Sites

 Dept. Defense Sites

 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
 ADDRESS: 5875 W Baseline Rd
 Laveen AZ 85339
 LAT/LONG: 33.377505 / 112.186513

CLIENT: Civil & Env Consultants
 CONTACT: Jared Bates
 INQUIRY #: 5349733.2s
 DATE: July 02, 2018 12:00 pm

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								
<i>Federal NPL site list</i>								
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
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
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
<i>Federal institutional controls / engineering controls registries</i>								
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
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent NPL</i>								
AZ NPL	1.000		0	0	0	0	NR	0
AZ WQARF	1.000		0	0	0	0	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SPL	1.000		0	0	0	0	NR	0
SHWS	1.000		0	0	0	0	NR	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
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
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
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

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

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

<u>City</u>	<u>EDR ID</u>	<u>Site Name</u>	<u>Site Address</u>	<u>Zip</u>	<u>Database(s)</u>
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	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

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	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

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	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	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 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	Source: EPA
Date Data Arrived at EDR: 03/28/2018	Telephone: 800-424-9346
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 06/28/2018
Number of Days to Update: 86	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (415) 495-8895
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 06/28/2018
Number of Days to Update: 86	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (415) 495-8895
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 06/28/2018
Number of Days to Update: 86	Next Scheduled EDR Contact: 10/08/2018
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (415) 495-8895
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 06/28/2018
Number of Days to Update: 86	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (415) 495-8895
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 06/28/2018
Number of Days to Update: 86	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	Source: Department of the Navy
Date Data Arrived at EDR: 02/22/2018	Telephone: 843-820-7326
Date Made Active in Reports: 05/11/2018	Last EDR Contact: 05/09/2018
Number of Days to Update: 78	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/27/2018	Telephone: 703-603-0695
Date Made Active in Reports: 05/11/2018	Last EDR Contact: 05/29/2018
Number of Days to Update: 73	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/27/2018	Telephone: 703-603-0695
Date Made Active in Reports: 05/11/2018	Last EDR Contact: 05/29/2018
Number of Days to Update: 73	Next Scheduled EDR Contact: 09/10/2018
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: EPA Region 1
Date Data Arrived at EDR: 01/23/2018	Telephone: 617-918-1313
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 05/18/2018
Number of Days to Update: 80	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	Source: EPA, Region 5
Date Data Arrived at EDR: 01/23/2018	Telephone: 312-886-7439
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 05/18/2018
Number of Days to Update: 80	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/23/2018	Telephone: 415-972-3372
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 05/18/2018
Number of Days to Update: 80	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	Source: FEMA
Date Data Arrived at EDR: 05/30/2017	Telephone: 202-646-5797
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 04/13/2018
Number of Days to Update: 136	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	Source: Department of Environmental Quality
Date Data Arrived at EDR: 04/13/2018	Telephone: 602-771-4345
Date Made Active in Reports: 04/19/2018	Last EDR Contact: 04/13/2018
Number of Days to Update: 6	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	Source: Department of Environmental Quality
Date Data Arrived at EDR: 07/12/2017	Telephone: 602-771-4380
Date Made Active in Reports: 09/18/2017	Last EDR Contact: 05/07/2018
Number of Days to Update: 68	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Listing

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 06/22/2018
Number of Days to Update: 142	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	Source: Department of Environmental Quality
Date Data Arrived at EDR: 02/02/2018	Telephone: 602-771-4411
Date Made Active in Reports: 02/22/2018	Last EDR Contact: 04/02/2018
Number of Days to Update: 20	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	Source: Department of Environmental Quality
Date Data Arrived at EDR: 02/02/2018	Telephone: 602-771-4401
Date Made Active in Reports: 02/22/2018	Last EDR Contact: 04/02/2018
Number of Days to Update: 20	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2018	Telephone: 202-566-2777
Date Made Active in Reports: 06/08/2018	Last EDR Contact: 06/20/2018
Number of Days to Update: 79	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	Source: Department of Environmental Quality
Date Data Arrived at EDR: 06/26/2018	Telephone: 602-771-4132
Date Made Active in Reports: 06/28/2018	Last EDR Contact: 05/22/2018
Number of Days to Update: 2	Next Scheduled EDR Contact: 09/10/2018
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Services, 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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/01/2018	Telephone: 202-307-1000
Date Made Active in Reports: 05/11/2018	Last EDR Contact: 05/30/2018
Number of Days to Update: 71	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/30/2018	Telephone: 202-564-6023
Date Made Active in Reports: 06/29/2018	Last EDR Contact: 05/30/2018
Number of Days to Update: 30	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	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 03/27/2018	Telephone: 202-366-4555
Date Made Active in Reports: 06/08/2018	Last EDR Contact: 03/27/2018
Number of Days to Update: 73	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	Source: Department of Environmental Quality
Date Data Arrived at EDR: 06/28/2007	Telephone: 602-771-4153
Date Made Active in Reports: 07/24/2007	Last EDR Contact: 05/22/2018
Number of Days to Update: 26	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	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/11/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: (415) 495-8895
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 06/28/2018
Number of Days to Update: 86	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	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 07/08/2015	Telephone: 202-528-4285
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 05/25/2018
Number of Days to Update: 97	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	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/13/2018
Number of Days to Update: 62	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	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/11/2018
Number of Days to Update: 339	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 05/15/2018
Number of Days to Update: 63	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Transportation, 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 Transportation, 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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 04/16/2018	Telephone: Varies
Date Made Active in Reports: 06/29/2018	Last EDR Contact: 06/22/2018
Number of Days to Update: 74	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	Source: EPA/NTIS
Date Data Arrived at EDR: 02/22/2017	Telephone: 800-424-9346
Date Made Active in Reports: 09/28/2017	Last EDR Contact: 06/28/2018
Number of Days to Update: 218	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	Source: USGS
Date Data Arrived at EDR: 07/14/2015	Telephone: 202-208-3710
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 04/11/2018
Number of Days to Update: 546	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	Source: Department of Energy
Date Data Arrived at EDR: 12/27/2016	Telephone: 202-586-3559
Date Made Active in Reports: 02/17/2017	Last EDR Contact: 05/07/2018
Number of Days to Update: 52	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	Source: Department of Energy
Date Data Arrived at EDR: 10/11/2017	Telephone: 505-845-0011
Date Made Active in Reports: 11/03/2017	Last EDR Contact: 05/18/2018
Number of Days to Update: 23	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/30/2018	Telephone: 703-603-8787
Date Made Active in Reports: 06/29/2018	Last EDR Contact: 05/30/2018
Number of Days to Update: 30	Next Scheduled EDR Contact: 07/16/2018
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 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	Source: Department of Interior
Date Data Arrived at EDR: 03/13/2018	Telephone: 202-208-2609
Date Made Active in Reports: 06/08/2018	Last EDR Contact: 06/20/2018
Number of Days to Update: 87	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	Source: EPA
Date Data Arrived at EDR: 02/23/2018	Telephone: (415) 947-8000
Date Made Active in Reports: 03/23/2018	Last EDR Contact: 06/06/2018
Number of Days to Update: 28	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	Source: Department of Defense
Date Data Arrived at EDR: 10/31/2017	Telephone: 703-704-1564
Date Made Active in Reports: 01/12/2018	Last EDR Contact: 04/13/2018
Number of Days to Update: 73	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/19/2018	Telephone: 202-564-0527
Date Made Active in Reports: 04/13/2018	Last EDR Contact: 06/01/2018
Number of Days to Update: 84	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/17/2018	Telephone: 202-564-2280
Date Made Active in Reports: 06/08/2018	Last EDR Contact: 06/06/2018
Number of Days to Update: 83	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Department of Environmental Quality
Date Data Arrived at EDR: 06/15/2018	Telephone: 602-771-4424
Date Made Active in Reports: 06/20/2018	Last EDR Contact: 04/30/2018
Number of Days to Update: 5	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	Source: Department of Environmental Quality
Date Data Arrived at EDR: 01/26/2018	Telephone: 602-771-4258
Date Made Active in Reports: 02/22/2018	Last EDR Contact: 03/26/2018
Number of Days to Update: 27	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	Source: Department of Environmental Quality
Date Data Arrived at EDR: 07/14/2017	Telephone: N/A
Date Made Active in Reports: 10/05/2017	Last EDR Contact: 06/14/2018
Number of Days to Update: 83	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	Source: Department of Environmental Quality
Date Data Arrived at EDR: 01/16/2018	Telephone: 602-771-4197
Date Made Active in Reports: 03/05/2018	Last EDR Contact: 06/14/2018
Number of Days to Update: 48	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	Source: Arizona Geological Survey
Date Data Arrived at EDR: 02/05/2016	Telephone: 520-770-3500
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 04/25/2018
Number of Days to Update: 60	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	Source: Department of Environmental Quality
Date Data Arrived at EDR: 06/15/2018	Telephone: 602-771-4424
Date Made Active in Reports: 06/20/2018	Last EDR Contact: 04/05/2018
Number of Days to Update: 5	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	Source: Department of Environmental Quality
Date Data Arrived at EDR: 07/23/2012	Telephone: 602-771-4623
Date Made Active in Reports: 09/06/2012	Last EDR Contact: 04/18/2018
Number of Days to Update: 45	Next Scheduled EDR Contact: 08/06/2018
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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.

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

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

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 Transverse 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).

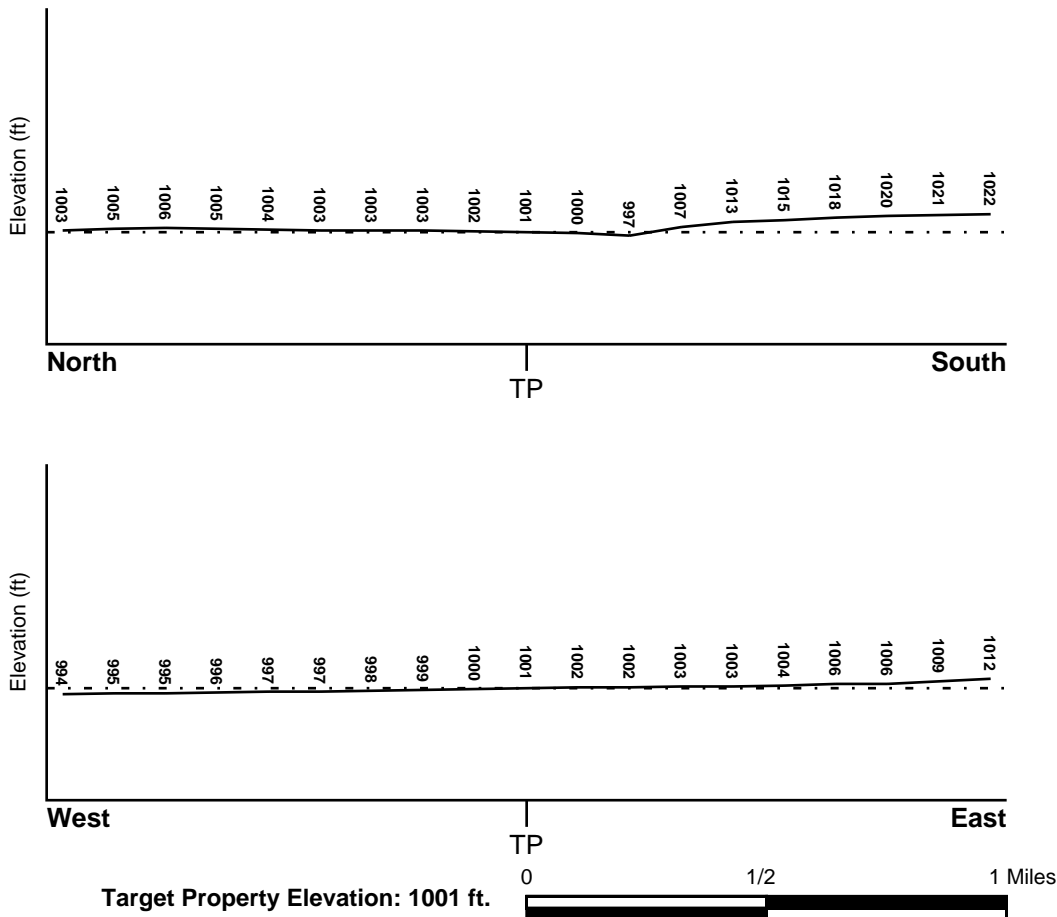
TOPOGRAPHIC INFORMATION

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



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

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
04013C2195L	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
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

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
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.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

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

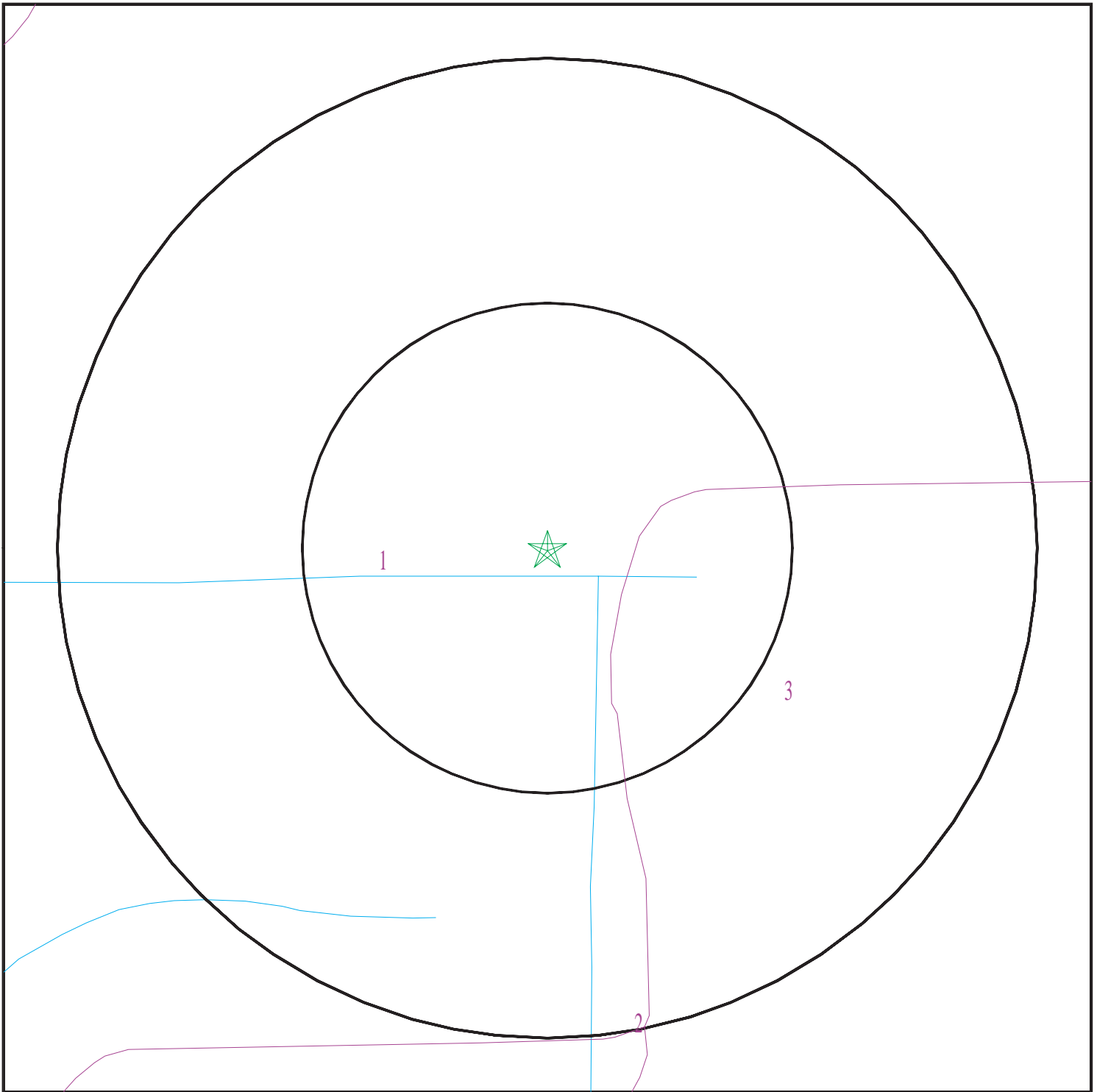
Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified 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



SITE NAME: Baseline Road West
ADDRESS: 5875 W Baseline Rd
Laveen AZ 85339
LAT/LONG: 33.377505 / 112.186513

CLIENT: Civil & Env Consultants
CONTACT: Jared Bates
INQUIRY #: 5349733.2s
DATE: July 02, 2018 12:01 pm

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							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		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							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		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

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

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
_____	_____	_____

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

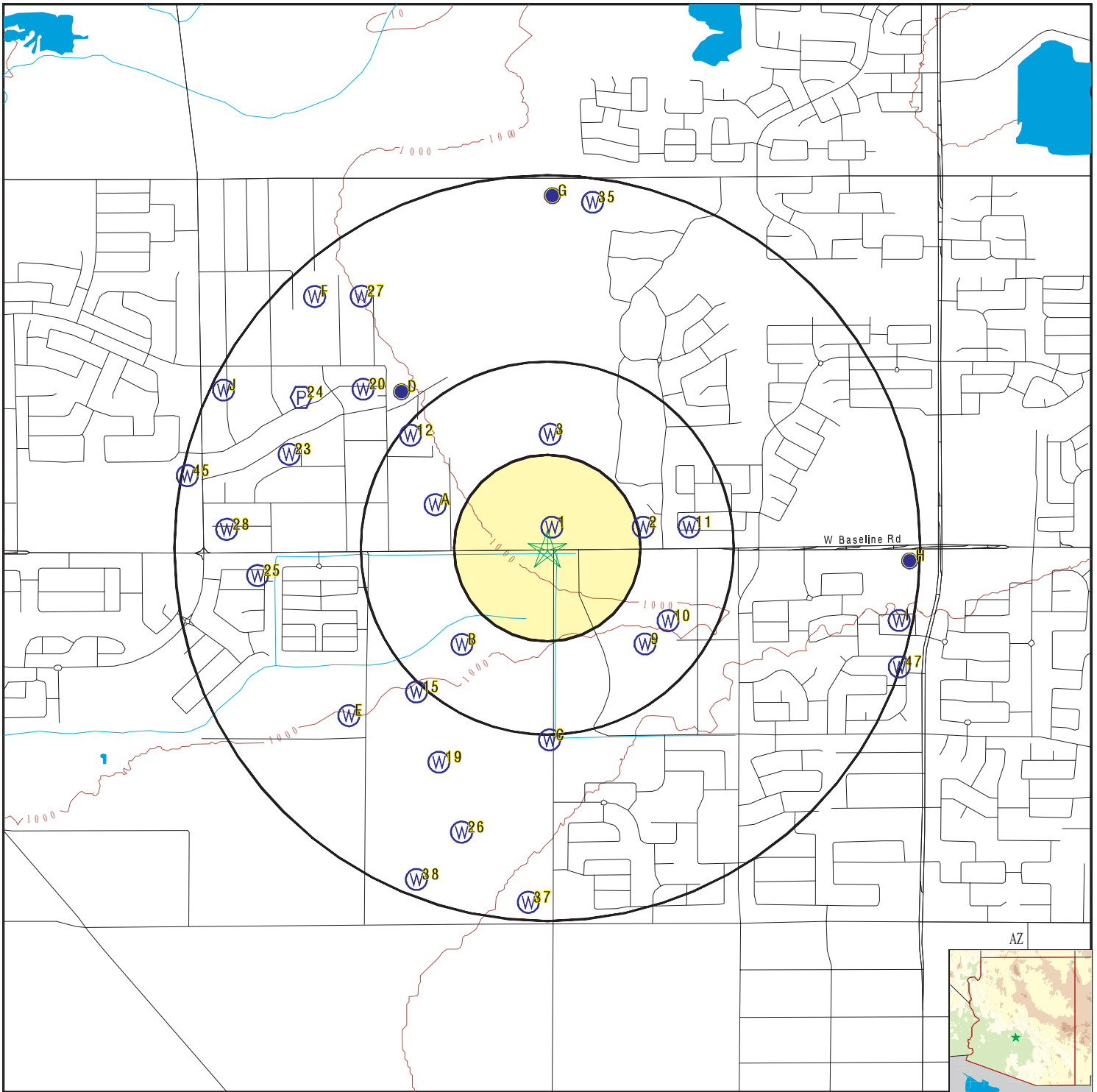
MAP ID	WELL ID	LOCATION FROM TP
1	AZ7000000082022	0 - 1/8 Mile NNE
2	AZ7000000082024	1/4 - 1/2 Mile ENE
3	AZ7000000082435	1/4 - 1/2 Mile North
A4	AZ7000000082196	1/4 - 1/2 Mile WNW
A5	AZ7000000082197	1/4 - 1/2 Mile WNW
B6	AZ7000000081514	1/4 - 1/2 Mile SW
B7	AZ7000000081515	1/4 - 1/2 Mile SW
B8	AZ7000000081516	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

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
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



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



SITE NAME: Baseline Road West
 ADDRESS: 5875 W Baseline Rd
 Laveen AZ 85339
 LAT/LONG: 33.377505 / 112.186513

CLIENT: Civil & Env Consultants
 CONTACT: Jared Bates
 INQUIRY #: 5349733.2s
 DATE: July 02, 2018 12:01 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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	Welltype:	OTHER
Rgr pump d:	NO		
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,	Welltype:	NON-EXEMPT
Rgr pump d:	YES		
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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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
1/4 - 1/2 Mile
Higher

AZ WELLS AZ7000000082435

Program:	55	Registry i:	504097
Owner name:	HOLT,R	Welltype:	EXEMPT
Rgr pump d:	NO	Installed:	10/23/1982 12:00:00 AM
Well type :	EXEMPT		
Dlic num:	17		
Approved:	Not Reported		
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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,	Welltype:	NON-SERVICE
Rgr pump d:	NO	Installed:	Not Reported
Well type :	NON-EXEMPT		
Dlic num:	165		
Approved:	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	Welltype:	REPLACEMENT WELL IN NEW LOCATION
Rgr pump d:	NO	Installed:	Not Reported
Well type :	NON-EXEMPT		
Dlic num:	165		
Approved:	Not Reported		
Well depth:	0		
Water leve:	0		
Casing dep:	0		
Casing dia:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing typ:	NO CASING CODE LISTED	Drill log:	X
Pump type:	NO PUMP CODE LISTED	Cadastral:	A01002031DC0
Pump power:	NO POWER CODE LISTED	Watershed:	SALT RIVER
Pumprate:	0	Subbasin n:	WEST SALT RIVER VALLEY
Testedrate:	0	Quad code:	A
Draw down:	0		
Completion:	X		
Well cance:	Not Reported		
County:	MARICOPA		
Basin name:	PHOENIX AMA		
Ama:	PHOENIX		
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	Welltype:	NON-EXEMPT
Rgr pump d:	YES		
Well type :	NON-EXEMPT		
Dlic num:	0	Installed:	3/15/1948 12:00:00 AM
Approved:	Not Reported		
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

**B7
 SW
 1/4 - 1/2 Mile
 Lower**

AZ WELLS AZ7000000081515

Program:	55	Registry i:	601561
Owner name:	HONOLU ACCOMAZZO	Welltype:	EXEMPT
Rgr pump d:	NO	Installed:	1/1/1969 12:00:00 AM
Well type :	EXEMPT		
Dlic num:	0		
Approved:	Not Reported		
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
 1/4 - 1/2 Mile
 Lower**

AZ WELLS AZ7000000081516

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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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
1/4 - 1/2 Mile
Higher**

AZ WELLS AZ7000000081517

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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

**10
 ESE
 1/4 - 1/2 Mile
 Lower**

AZ WELLS AZ7000000081567

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
 1/4 - 1/2 Mile
 Higher**

AZ WELLS AZ7000000082026

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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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	Welltype:	DOMESTIC STOCK EXEMPT
Rgr pump d:	NO		
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	155
Construction date:	19480713	Wellholeddepth:	155
Welldepth units:	ft		
Wellholeddepth 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 AZ700000081306

Program:	55	Registry i:	804391
Owner name:	ACCOMAZZO, MARK,	Welltype:	EXEMPT
Rgr pump d:	NO		
Well type :	EXEMPT	Installed:	6/6/1968 12:00:00 AM
Dlic num:	0		
Approved:	Not Reported		
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	Drill log:	Not Reported
Completion:	Not Reported	Cadastral:	D01002006AC0
Well cance:	Not Reported	Watershed:	SALT RIVER
County:	MARICOPA	Subbasin n:	WEST SALT RIVER VALLEY
Basin name:	PHOENIX AMA	Quad code:	D
Ama:	PHOENIX		
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:	AZ700000081306

**D16
NW
1/2 - 1 Mile
Lower**

AZ WELLS AZ700000082570

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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	Welltype:	NON-EXEMPT
Rgr pump d:	YES		
Well type :	NON-EXEMPT	Installed:	1/1/1960 12:00:00 AM
Dlic num:	0		
Approved:	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:	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	Welltype:	NON-EXEMPT
Rgr pump d:	YES		
Well type :	NON-EXEMPT	Installed:	1/1/1960 12:00:00 AM
Dlic num:	0		
Approved:	Not Reported		
Well depth:	0		
Water leve:	0		
Casing dep:	0		
Casing dia:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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
Pwsvcconn:	407902	Source:	Surface_water
Pws type:	CWS	Owner:	Local_Govt
Contact:	GOTTLER, RANDY		
Contact 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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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	Prmsrccd:	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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	O-DICHLOROBENZENE
Void:	1004		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	O-DICHLOROBENZENE
Void:	1004		
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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	HEXACHLOROBENZENE (HCB)
Void:	10203		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	HEXACHLOROBENZENE (HCB)
Void:	10203		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	BENZO (A) PYRENE
Void:	10403		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	BENZO (A) PYRENE
Void:	10403		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	PENTACHLOROPHENOL
Void:	10603		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	PENTACHLOROPHENOL
Void:	10603		
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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	1,2 DIBROMO-3-CHLOROPROPANE (DBCP)
Vooid:	10903		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	1,2 DIBROMO-3-CHLOROPROPANE (DBCP)
Vooid:	10903		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	P-DICHLOROBENZENE
Vooid:	1104		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	P-DICHLOROBENZENE
Vooid:	1104		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	ETHYLENE DIBROMIDE (EDB)
Vooid:	11103		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	ETHYLENE DIBROMIDE (EDB)
Vooid:	11103		
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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	CHLORDANE
Vioid:	11303		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	CHLORDANE
Vioid:	11303		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	ENDRIN
Vioid:	11604		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	ENDRIN
Vioid:	11604		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	BHC-GAMMA (LINDANE)
Vioid:	11704		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	BHC-GAMMA (LINDANE)
Vioid:	11704		
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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	METHOXYCHLOR
Vioid:	11804		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	METHOXYCHLOR
Vioid:	11804		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	TOXAPHENE
Vioid:	11904		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	TOXAPHENE
Vioid:	11904		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	DALAPON
Vioid:	12004		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	DALAPON
Vioid:	12004		
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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	1,1-DICHLOROETHYLENE
Vioid:	1204		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	1,1-DICHLOROETHYLENE
Vioid:	1204		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	DIQUAT
Vioid:	12104		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	DIQUAT
Vioid:	12104		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	ENDOTHALL
Vioid:	12204		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	ENDOTHALL
Vioid:	12204		
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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	GLYPHOSATE
Vioid:	12304		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	GLYPHOSATE
Vioid:	12304		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	DI (2-ETHYLHEXYL) ADIPATE
Vioid:	12404		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	DI (2-ETHYLHEXYL) ADIPATE
Vioid:	12404		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	OXAMYL (VYDATE)
Vioid:	12504		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	OXAMYL (VYDATE)
Vioid:	12504		
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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	SIMAZINE
Vioid:	12604		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	SIMAZINE
Vioid:	12604		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	DI (2-ETHYLHEXYL) PHTHALATE
Vioid:	12704		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	DI (2-ETHYLHEXYL) PHTHALATE
Vioid:	12704		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	PICLORAM
Vioid:	12804		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	PICLORAM
Vioid:	12804		
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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	HEPTACHLOR
Vioid:	13604		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	HEPTACHLOR
Vioid:	13604		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	HEPTACHLOR EPOXIDE
Vioid:	13704		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	HEPTACHLOR EPOXIDE
Vioid:	13704		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	2,4-D
Vioid:	13804		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	2,4-D
Vioid:	13804		
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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	2,4,5-TP (SILVEX)
Vioid:	13904		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	2,4,5-TP (SILVEX)
Vioid:	13904		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	HEXACHLOROBENZENE (HCB)
Vioid:	14004		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	HEXACHLOROBENZENE (HCB)
Vioid:	14004		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	1,2-DICHLOROETHANE
Vioid:	1404		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	1,2-DICHLOROETHANE
Vioid:	1404		
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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Truedate: 03/31/2009
 Pwsname: PHOENIX CITY OF
 Retpopsrvd: 1533582
 Void: 14104
 Viol. Type: 3
 Complperbe: 1/1/2003 0:00:00
 Complperen: 12/31/2005 0:00:00
 Enf action: State Compliance Achieved
 Violmeasur: Not Reported

Pwsid: AZ0407025
 Pwstypecod: C
 Contaminant: BENZO (A) PYRENE
 Enfdate: 12/6/2006 0:00:00

Truedate: 03/31/2009
 Pwsname: PHOENIX CITY OF
 Retpopsrvd: 1533582
 Void: 14104
 Viol. Type: 3
 Complperbe: 1/1/2003 0:00:00
 Complperen: 12/31/2005 0:00:00
 Enf action: State Compliance Achieved
 Violmeasur: Not Reported

Pwsid: AZ0407025
 Pwstypecod: C
 Contaminant: BENZO (A) PYRENE
 Enfdate: 2/13/2007 0:00:00

Truedate: 03/31/2009
 Pwsname: PHOENIX CITY OF
 Retpopsrvd: 1533582
 Void: 14204
 Viol. Type: 3
 Complperbe: 1/1/2003 0:00:00
 Complperen: 12/31/2005 0:00:00
 Enf action: State Compliance Achieved
 Violmeasur: Not Reported

Pwsid: AZ0407025
 Pwstypecod: C
 Contaminant: PENTACHLOROPHENOL
 Enfdate: 12/6/2006 0:00:00

Truedate: 03/31/2009
 Pwsname: PHOENIX CITY OF
 Retpopsrvd: 1533582
 Void: 14204
 Viol. Type: 3
 Complperbe: 1/1/2003 0:00:00
 Complperen: 12/31/2005 0:00:00
 Enf action: State Compliance Achieved
 Violmeasur: Not Reported

Pwsid: AZ0407025
 Pwstypecod: C
 Contaminant: PENTACHLOROPHENOL
 Enfdate: 2/13/2007 0:00:00

Truedate: 03/31/2009
 Pwsname: PHOENIX CITY OF
 Retpopsrvd: 1533582
 Void: 14304
 Viol. Type: 3
 Complperbe: 1/1/2003 0:00:00
 Complperen: 12/31/2005 0:00:00
 Enf action: State Compliance Achieved
 Violmeasur: Not Reported

Pwsid: AZ0407025
 Pwstypecod: C
 Contaminant: 1,2 DIBROMO-3-CHLOROPROPANE (DBCP)
 Enfdate: 12/6/2006 0:00:00

Truedate: 03/31/2009
 Pwsname: PHOENIX CITY OF
 Retpopsrvd: 1533582
 Void: 14304
 Viol. Type: 3
 Complperbe: 1/1/2003 0:00:00
 Complperen: 12/31/2005 0:00:00
 Enf action: State Compliance Achieved
 Violmeasur: Not Reported

Pwsid: AZ0407025
 Pwstypecod: C
 Contaminant: 1,2 DIBROMO-3-CHLOROPROPANE (DBCP)
 Enfdate: 2/13/2007 0:00:00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	ETHYLENE DIBROMIDE (EDB)
Vioid:	14404		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	ETHYLENE DIBROMIDE (EDB)
Vioid:	14404		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	CHLORDANE
Vioid:	14504		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	CHLORDANE
Vioid:	14504		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	SWTR
Vioid:	14602		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	SWTR
Vioid:	14602		
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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Void:	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
Void:	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
Void:	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
Void:	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
Void:	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
Void:	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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF		
Retpopsrvd:	1533582	Pwstypecod:	C
Vioid:	17105	Contaminant:	AROCOLOR 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:	AROCOLOR 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:	AROCOLOR 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:	AROCOLOR 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:	AROCOLOR 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:	AROCOLOR 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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Truedate:	03/31/2009	Pwsid:	AZ0407025
Pwsname:	PHOENIX CITY OF	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	AROCLOR 1242
Vooid:	17405		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	AROCLOR 1242
Vooid:	17405		
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	Pwstypecod:	C
Retpopsrvd:	1533582	Contaminant:	AROCLOR 1232
Vooid:	17505		
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,	Welltype:	NON-EXEMPT
Rgr pump d:	NO		
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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing typ:	POROUS CONCRETE	Drill log:	Not Reported
Pump type:	NO PUMP CODE LISTED	Cadastral:	D01002006BBA
Pump power:	NO POWER CODE LISTED	Watershed:	SALT RIVER
Pumprate:	3500	Subbasin n:	WEST SALT RIVER VALLEY
Testedrate:	0	Quad code:	D
Draw down:	0		
Completion:	Not Reported		
Well cance:	Not Reported		
County:	MARICOPA		
Basin name:	PHOENIX AMA		
Ama:	PHOENIX		
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
1/2 - 1 Mile
Higher

AZ WELLS AZ7000000080766

Program:	55	Registry i:	611333
Owner name:	KLAUS FOREST	Welltype:	NON-EXEMPT
Rgr pump d:	NO		
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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,	Welltype:	DOMESTIC STOCK EXEMPT
Rgr pump d:	NO		
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	Welltype:	PIEZOMETER
Rgr pump d:	NO		
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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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	Welltype:	DOMESTIC STOCK EXEMPT
Rgr pump d:	NO		
Well type :	EXEMPT		
Dlic num:	331	Installed:	Not Reported
Approved:	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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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	Welltype:	DOMESTIC STOCK EXEMPT
Rgr pump d:	NO		
Well type :	EXEMPT		
Dlic num:	106	Installed:	6/7/1987 12:00:00 AM
Approved:	Not Reported		
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	Welltype:	EXEMPT
Rgr pump d:	NO		
Well type :	EXEMPT		
Dlic num:	427	Installed:	Not Reported
Approved:	Not Reported		
Well depth:	0		
Water leve:	0		
Casing dep:	0		
Casing dia:	0		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Casing typ:	NO CASING CODE LISTED	Drill log:	Not Reported
Pump type:	NO PUMP CODE LISTED	Cadastral:	A01002031BDB
Pump power:	NO POWER CODE LISTED	Watershed:	SALT RIVER
Pumprate:	0	Subbasin n:	WEST SALT RIVER VALLEY
Testedrate:	0	Quad code:	A
Draw down:	0		
Completion:	Not Reported		
Well cance:	Not Reported		
County:	MARICOPA		
Basin name:	PHOENIX AMA		
Ama:	PHOENIX		
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,	Welltype:	DOMESTIC STOCK EXEMPT
Rgr pump d:	NO		
Well type :	EXEMPT		
Dlic num:	106	Installed:	Not Reported
Approved:	Not Reported		
Well depth:	0		
Water leve:	0		
Casing dep:	0		
Casing dia:	0		
Casing typ:	NO CASING CODE LISTED	Drill log:	Not Reported
Pump type:	NO PUMP CODE LISTED	Cadastral:	A01002031BDB
Pump power:	NO POWER CODE LISTED	Watershed:	SALT RIVER
Pumprate:	0	Subbasin n:	WEST SALT RIVER VALLEY
Testedrate:	0	Quad code:	A
Draw down:	0		
Completion:	Not Reported		
Well cance:	Y		
County:	MARICOPA		
Basin name:	PHOENIX AMA		
Ama:	PHOENIX		
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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,	Welltype:	NON-EXEMPT
Rgr pump d:	YES		
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,	Welltype:	NON-EXEMPT
Rgr pump d:	YES		
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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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,	Welltype:	EXEMPT
Rgr pump d:	NO		
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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
1/2 - 1 Mile
Higher

AZ WELLS AZ7000000080619

Program:	55	Registry i:	621135
Owner name:	VANDERWEY, JOHN,A	Welltype:	NON-EXEMPT
Rgr pump d:	YES		
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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	Welltype:	NON-EXEMPT
Rgr pump d:	YES	Installed:	1/1/1967 12:00:00 AM
Well type :	NON-EXEMPT		
Dlic num:	572		
Approved:	Not Reported		
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	Drill log:	Not Reported
Completion:	A	Cadastral:	D01002005AAD
Well cance:	Y	Watershed:	SALT RIVER
County:	MARICOPA	Subbasin n:	WEST SALT RIVER VALLEY
Basin name:	PHOENIX AMA	Quad code:	D
Ama:	PHOENIX		
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	Welltype:	NON-EXEMPT
Rgr pump d:	YES	Installed:	Not Reported
Well type :	NON-EXEMPT		
Dlic num:	572		
Approved:	Not Reported		
Well depth:	0		
Water leve:	45		
Casing dep:	0		
Casing dia:	8		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

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 \geq 2 pCi/L and \leq 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for MARICOPA COUNTY, AZ

Number of sites tested: 695

<u>Area</u>	<u>Average Activity</u>	<u>% <4 pCi/L</u>	<u>% 4-20 pCi/L</u>	<u>% >20 pCi/L</u>
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

© 2015 TomTom North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

APPENDIX E

FILE REVIEW AND INTERVIEW DOCUMENTATION



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:

- | | | |
|--|--|--|
| <input type="checkbox"/> Drainage Easement | <input type="checkbox"/> Sidewalk Easement | <input type="checkbox"/> Landscape Easement |
| <input type="checkbox"/> Public Utility Easement | <input type="checkbox"/> Water Easement | <input checked="" type="checkbox"/> Roadway Dedication |
| <input type="checkbox"/> Temporary Turn Around | <input type="checkbox"/> Sewer Easement | <input type="checkbox"/> Vehicular Non-Access Easement |
| <input type="checkbox"/> Other _____ | | |

Location: NORTHWEST CORNER BASILINS ROAD + 59TH AVENUE
 Property Owner(s) LINDS BROTHERS LAND & CATTLE, LLC
 Address: 2415 SOUTH RUITAL ROAD City: TENNESSEE State: AZ Zip: 85282
SOUTH A

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: RUSKIN T. LINDS, JR.
 Address: 2415 SOUTH RUITAL ROAD, A City: TENNESSEE State: AZ Zip: 85282
 Phone: 480-990-2293 Fax: 480-966-4177
 Email: sr.linds@cox.net

"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: LINDS BROTHERS LAND & CATTLE, LLC
RUSKIN T. LINDS, JR. MANAGER Date: 9/19/18

 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.



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:

- | | | |
|--|--|--|
| <input type="checkbox"/> Drainage Easement | <input type="checkbox"/> Sidewalk Easement | <input type="checkbox"/> Landscape Easement |
| <input type="checkbox"/> Public Utility Easement | <input type="checkbox"/> Water Easement | <input checked="" type="checkbox"/> Roadway Dedication |
| <input type="checkbox"/> Temporary Turn Around | <input type="checkbox"/> Sewer Easement | <input type="checkbox"/> Vehicular Non-Access Easement |
| <input type="checkbox"/> Other _____ | | |

Location: NORTHWEST CORNER BASILINS ROAD + 59TH AVENUE
 Property Owner(s) LINCS BROTHERS LAND & CATTLE, LLC
 Address: 2415 SOUTH RUITAL ROAD City: TENNESSEE State: AZ Zip: 85282
SOUTH A

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: RUSKIN T. LINGS, JR.
 Address: 2415 SOUTH RUITAL ROAD, A City: TENNESSEE State: AZ Zip: 85282
 Phone: 480-990-2293 Fax: 480-966-4177
 Email: srlings@cox.net

"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: LINCS BROTHERS LAND & CATTLE, LLC
RUSKIN T. LINGS, JR. MANAGER Date: 9/19/18

 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.



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)? JULY 26, 2002

Please list the previous owners, or indicate "unknown". LINCS FAMILY MEMBERS

What was the previous land use at the site? AGRICULTURE / TOW CLOTS / FARMING

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.

LINCS BROTHERS LAND & CATTLE, LLC

Property Owner Signature: RUSKIN R. LINCS, JR.
RUSKIN R. LINCS, JR
MANAGER

Unofficial
Document



OFFICIAL RECORDS OF
MARICOPA COUNTY RECORDER
HELEN PURCELL
2002-0755943 07/26/02 09:21
3 OF 5

ALANIZE

Hold on file

When recorded mail to:

OLSEN-SMITH, LTD.
3300 Virginia Financial Plaza
301 East Virginia Avenue
Phoenix, Arizona 85004


SPECIAL WARRANTY DEED

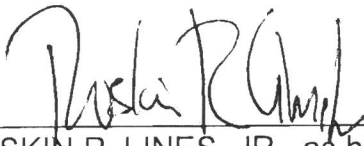
FOR VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, RUSKIN R. LINES, JR., as his sole and separate property; PAUL ANDERSON LINES & CYNTHIA M. LINES, husband and wife; and CHRISTOPHER ARTHUR LINES, an unmarried man ("Grantors"), do hereby convey unto LINES BROTHERS LAND & CATTLE, L.L.C., an Arizona limited liability company ("Grantee"), its successors and assigns, all right, title and interest of Grantors in and to the real property described on Exhibit "A" attached hereto, together with all rights and privileges appurtenant or to become appurtenant thereto on the date of the signing of this instrument.

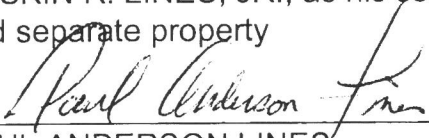
Grantors hereby assign unto Grantee all warranties of title or of any nature whatsoever which Grantors own or to which Grantors are entitled respecting Grantors' interest in the real property described herein; provided, however, Grantors warrant title as against all of their acts and no other acts and subject to current taxes and assessments, reservations and all easements, rights of way, covenants, conditions, restrictions, liens and encumbrances as may be set forth in any title insurance policy issued to Grantors or Grantee in connection with the real property referred to herein.

2

DATED this 15th day of June, 2002.


CHRISTOPHER ARTHUR LINES, an
unmarried man


RUSKIN R. LINES, JR., as his sole
and separate property


PAUL ANDERSON LINES


CYNTHIA M. LINES

GRANTORS

Unofficial Document

STATE OF ARIZONA)
) ss.
County of Maricopa)

This instrument was acknowledged before me this 12th day of June, 2002, by RUSKIN R. LINES, JR, as his sole and separate property.

Connie S Ringger
Notary Public

My commission expires:

Dec 4, 2004



STATE OF ARIZONA)
) ss.
County of Maricopa)

Unofficial Document

This instrument was acknowledged before me this 12th day of June, 2002, by PAUL ANDERSON LINES and CYNTHIA M. LINES, husband and wife.

Connie S Ringger
Notary Public

My commission expires:

Dec 4, 2004



0000755470

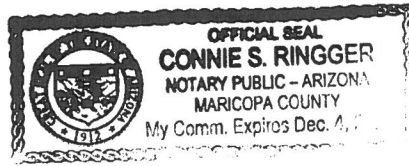
STATE OF ARIZONA)
) ss.
County of Maricopa)

This instrument was acknowledged before me this 10th day of Sept,
2002, by CHRISTOPHER ARTHUR LINES, an unmarried man.

Connie S. Ringger
Notary Public

My commission expires:

Dec 1, 2004



Unofficial Document

EXHIBIT "A"

The following described real property situated in Maricopa County, Arizona, more particularly described as follows:

The Southeast quarter of Section 31, Township 1 North, Range 2 East of the Gila and Salt River Base and Meridian, Maricopa County, Arizona;

EXCEPT BEGINNING at the Southwest corner of the Southeast quarter,

thence East 1716 feet;

thence North 1320 feet;

thence West 1716 feet;

thence South 1320 feet to the POINT OF BEGINNING; and

FURTHER EXCEPT from the Southeast quarter, the West 858 feet thereof.

Unofficial Document



Project Name: BASLINE ROAD INFRASTRUCTURE Project No.: _____

Project Address: _____

City: _____ State: _____ Zip Code: _____

Quarter Section: _____ APN: 104-86-007 Acreage: 0.65 ACRES

Project Description: BASLINE ROAD IMPROVEMENTS, 57TH AVENUE TO LOOP 202.

Property Owner Name: LINGS BROTHERS LAND & CATTLE, LLC Phone No.: 480-990-2293

Mailing Address: 2415 SOUTH RAVEL TRAIL, SUITE A

City: TEMPE State: AZ Zip Code: 85282

Environmental/Professional of Record Name: RYAN DUNNING Phone No.: 877-231-2324

Mailing Address: 11811 N. TATUM BLVD., SUITE 3057

City: PHOENIX State: AZ Zip Code: 85028

License # (if applicable): _____

General Contractor Name: _____ Phone No.: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

License #: _____

Environmental "All Appropriate Inquiries" Declaration

We declare and attest to the following:

A site characterization and assessment of the real property that is to be dedicated or otherwise conveyed to the city was completed in conformance with ASTM Standard 1527-13 and the standards and practices set forth in 40 CFR Part 312 for "all appropriate inquiries" and a written record or report of the site characterization and assessments has been prepared containing the results of the inquiries and conclusions regarding conditions indicative of releases and threatened releases on, at or into the subject property.

We further declare and attest that the site characterization and assessment report for the subject property indicates one of the following circumstances (check applicable box).

1. No recognized environmental conditions (RECs), or controlled recognized environmental conditions (CRECs) were identified.
2. RECs and/or CRECs were found to be present, however,
 - a) The RECs were subsequently and fully remediated.
 - b) The only REC found to be present was groundwater contamination originating from sources and events outside of subject property, and that are not associated with use or ownership of the subject property.
 - c) The RECs will not impact the use or ownership of the subject property; or
 - d) The CREC is not recorded on or has been released from the portion of the property being dedicated or conveyed.

NOTE: If box 2 is checked, City of Phoenix Planning & Development Department shall forward this form, the Phase I report, and those maps and documents necessary to identify the real property that is to be dedicated or otherwise conveyed to the Street Transportation Department, Planning Design and Programming Division, Environmental Services for further review.

Ryan Dunning
Environmental Professional Name (Printed)

[Signature] 9/21/18
Signature and date

LINGS BROTHERS LAND & CATTLE, LLC
Property Owner Name (Printed)

[Signature] 9/19/2018
Signature and date
ROSKIN E. LINGS, JR.,
MANAGER

For more information or for a copy of this publication in an alternate format, contact Planning & Development at 602-262-7811 voice or TTY use 7-1-1.

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:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
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

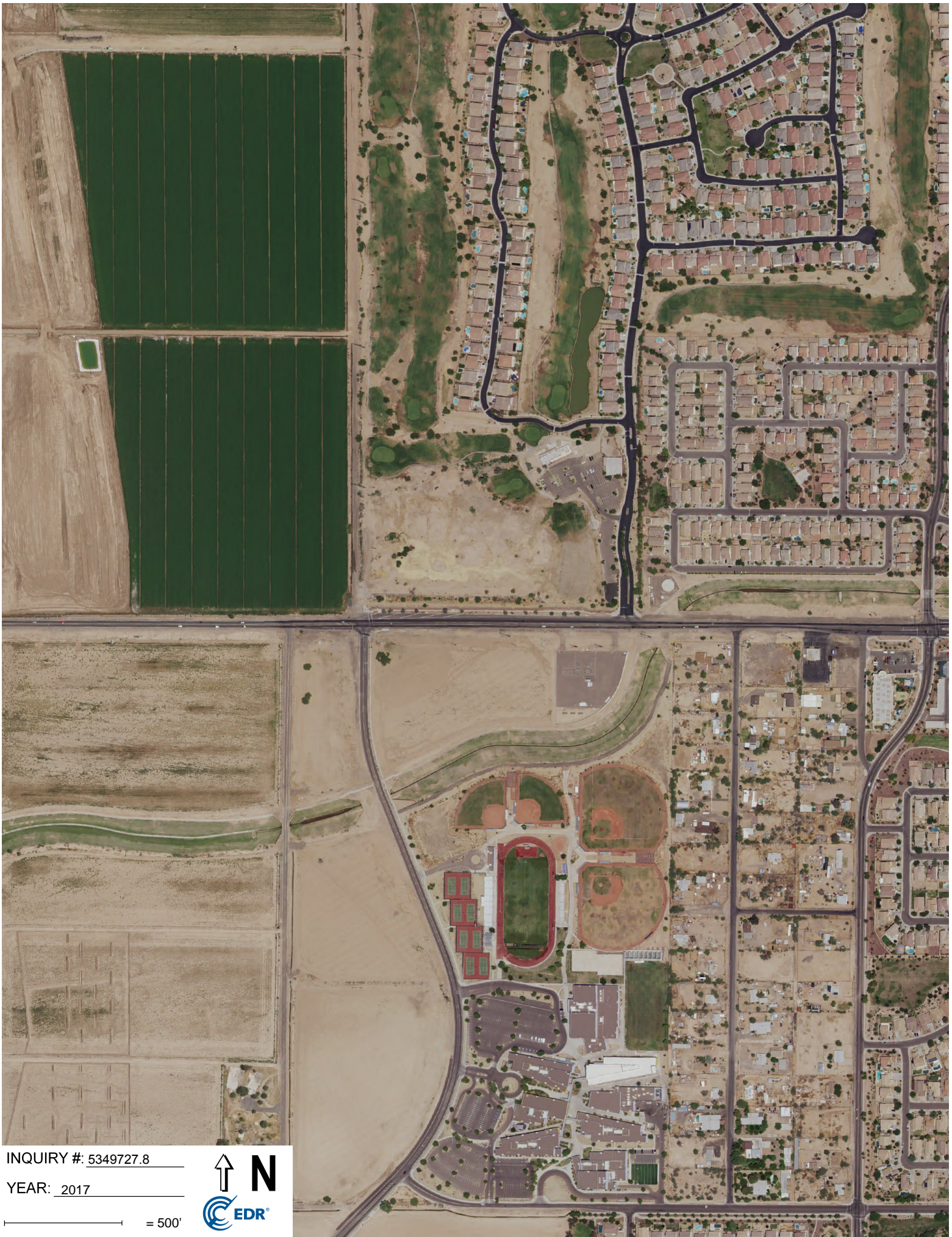
When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

Disclaimer - Copyright and Trademark Notice

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

Copyright 2018 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.



INQUIRY #: 5349727.8

YEAR: 2017

— = 500'





INQUIRY #: 5349727.8

YEAR: 2010

 = 500'



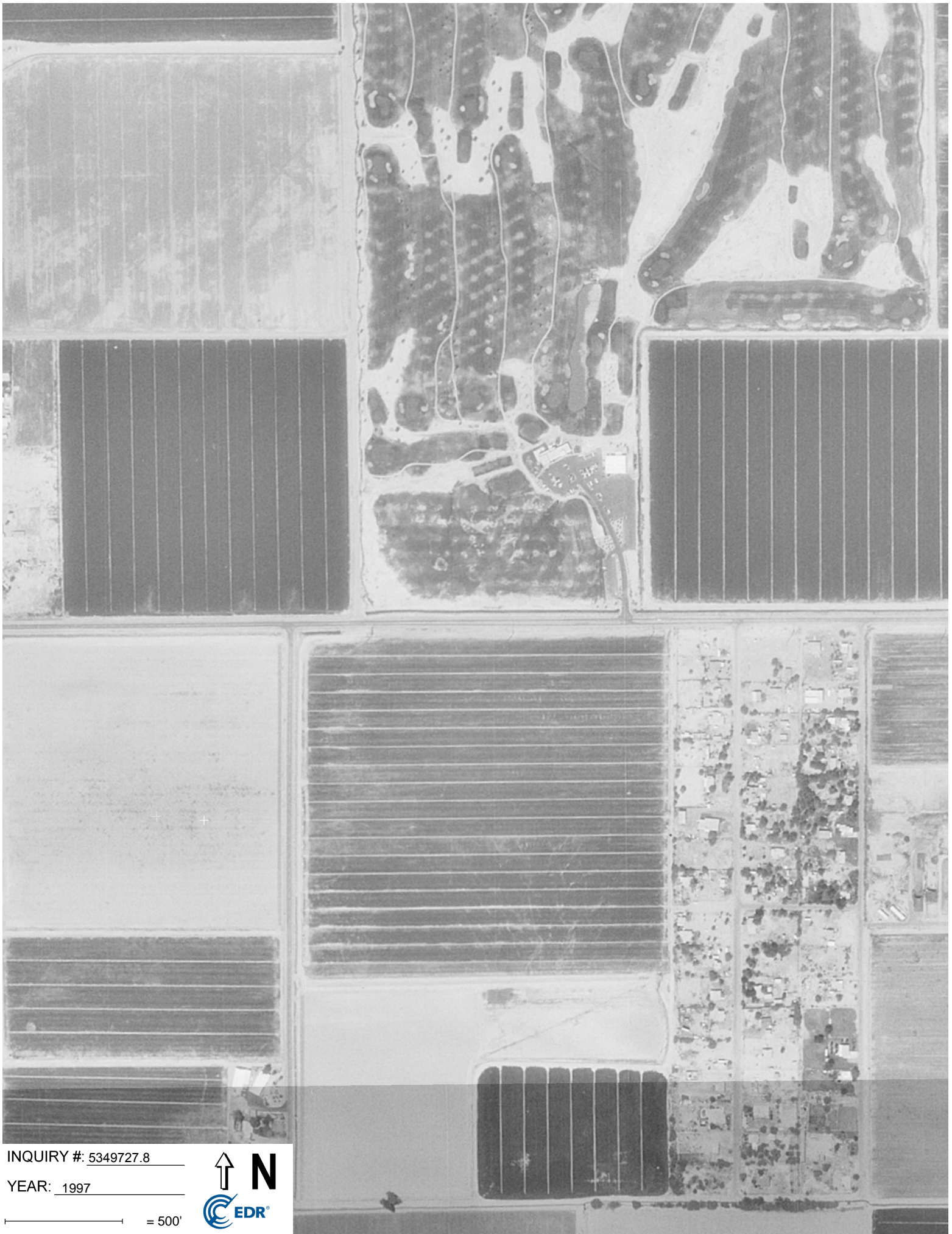


INQUIRY #: 5349727.8

YEAR: 2007

— = 500'





INQUIRY #: 5349727.8

YEAR: 1997

— = 500'





INQUIRY #: 5349727.8

YEAR: 1993

— = 750'





INQUIRY #: 5349727.8

YEAR: 1986

 = 500'





INQUIRY #: 5349727.8

YEAR: 1982

— = 500'





INQUIRY #: 5349727.8

YEAR: 1979

— = 500'



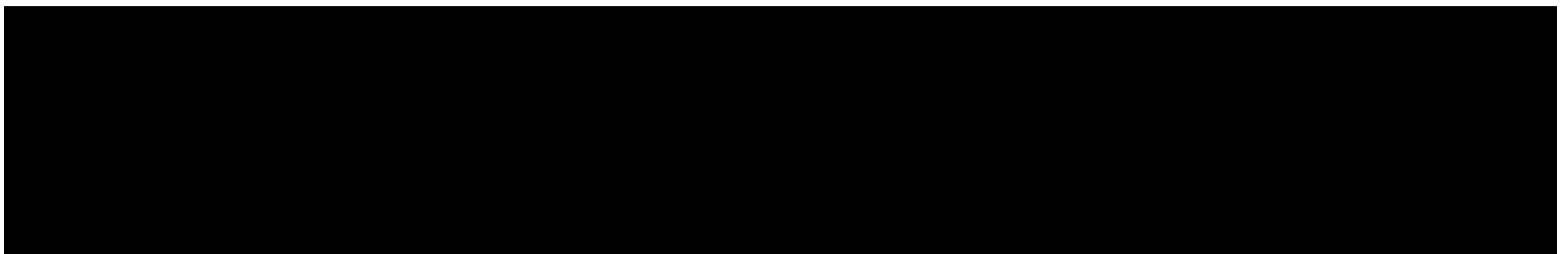


INQUIRY #: 5349727.8

YEAR: 1976

— = 500'





INQUIRY #: 5349727.8

YEAR: 1964

— = 500'





INQUIRY #: 5349727.8

YEAR: 1961

— = 500'



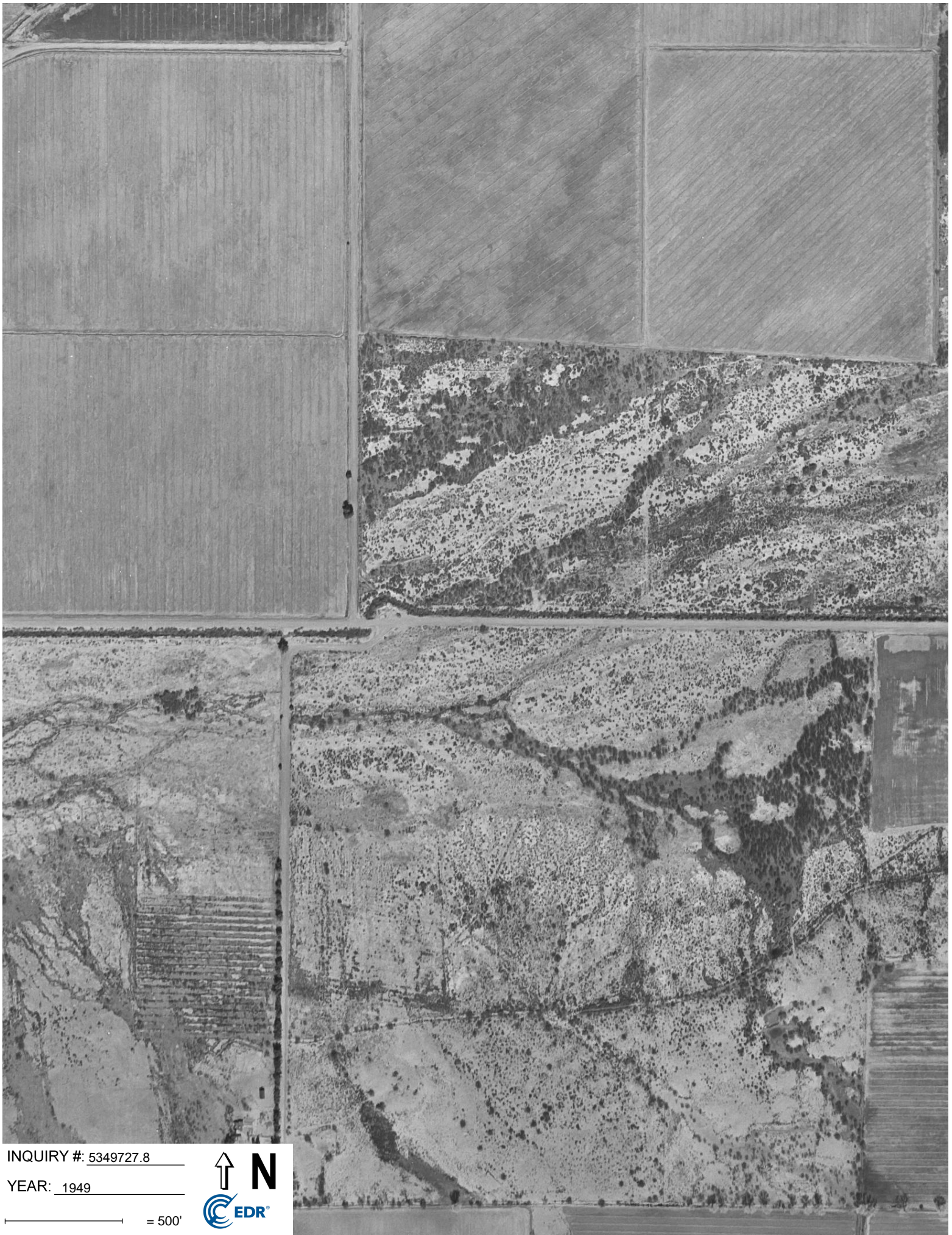


INQUIRY #: 5349727.8

YEAR: 1954

— = 500'



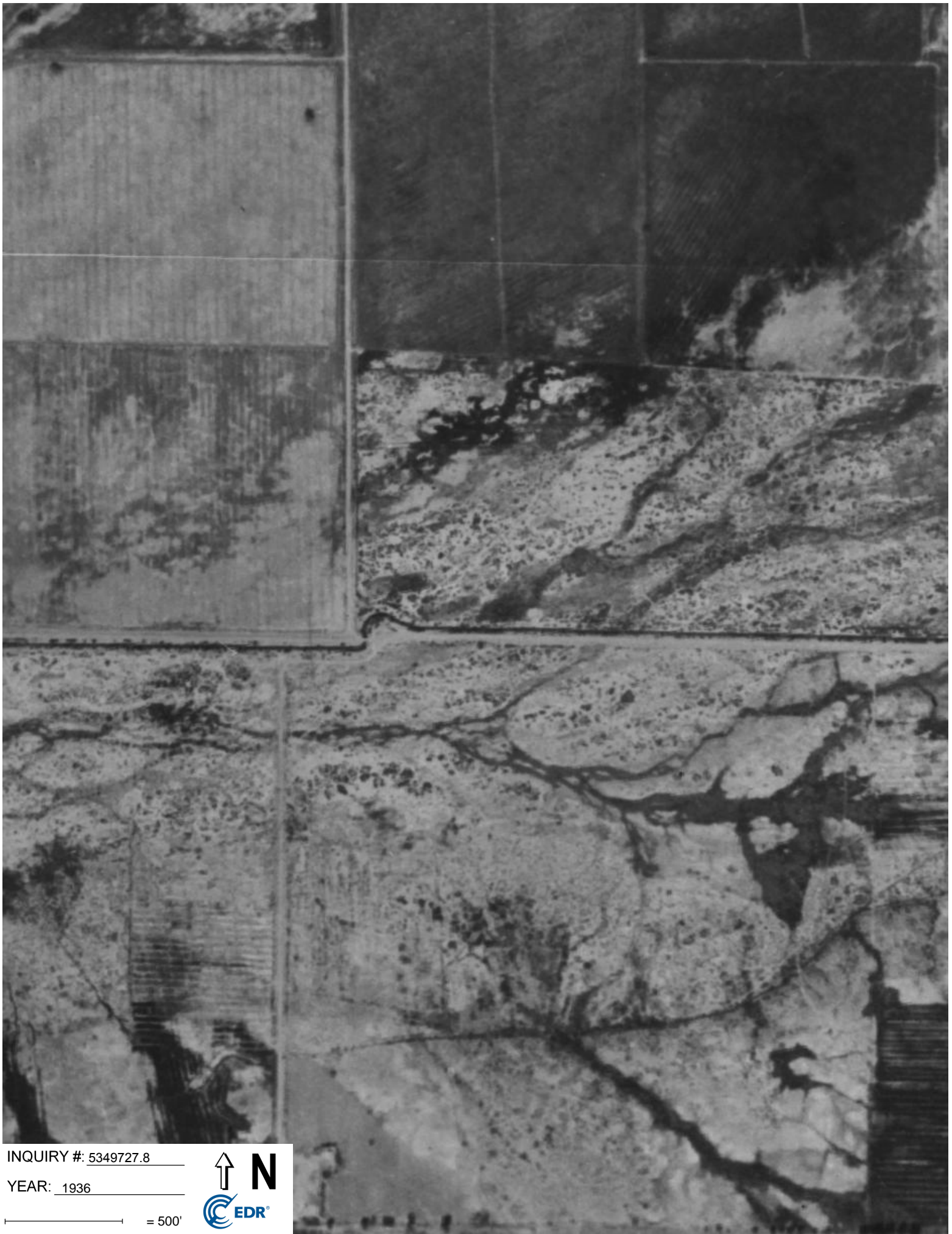


INQUIRY #: 5349727.8

YEAR: 1949

— = 500'





INQUIRY #: 5349727.8

YEAR: 1936

 = 500'



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:

Baseline Road East
5740 W Baseline Rd
Laveen, AZ 85339
EDR Inquiry # 5349727.4

Client Name:

Civil & Env Consultants
11811 N. Tatum Blvd. Suite 3057
PHOENIX, AZ 85028
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. EDR's 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

Disclaimer - Copyright and Trademark Notice

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

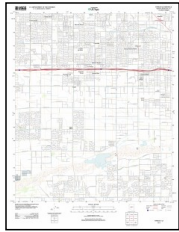
Copyright 2018 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

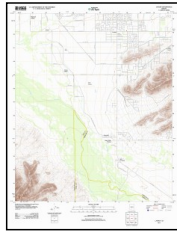
Topo Sheet Key

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

2014 Source Sheets



Fowler
2014
7.5-minute, 24000



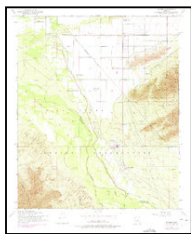
Laveen
2014
7.5-minute, 24000

1982 Source Sheets

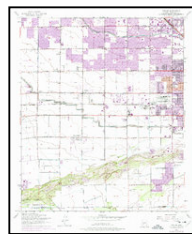


Fowler
1982
7.5-minute, 24000
Aerial Photo Revised 1978

1973 Source Sheets



Laveen
1973
7.5-minute, 24000
Aerial Photo Revised 1973

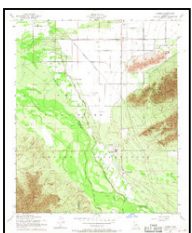


Fowler
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1967 Source Sheets



Fowler
1967
7.5-minute, 24000
Aerial Photo Revised 1967



Laveen
1967
7.5-minute, 24000
Aerial Photo Revised 1967

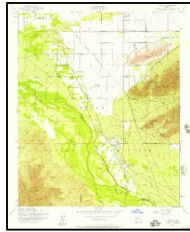
Topo Sheet Key

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

1952 Source Sheets



Fowler
1952
7.5-minute, 24000
Aerial Photo Revised 1951



Laveen
1952
7.5-minute, 24000
Aerial Photo Revised 1951

1914 Source Sheets

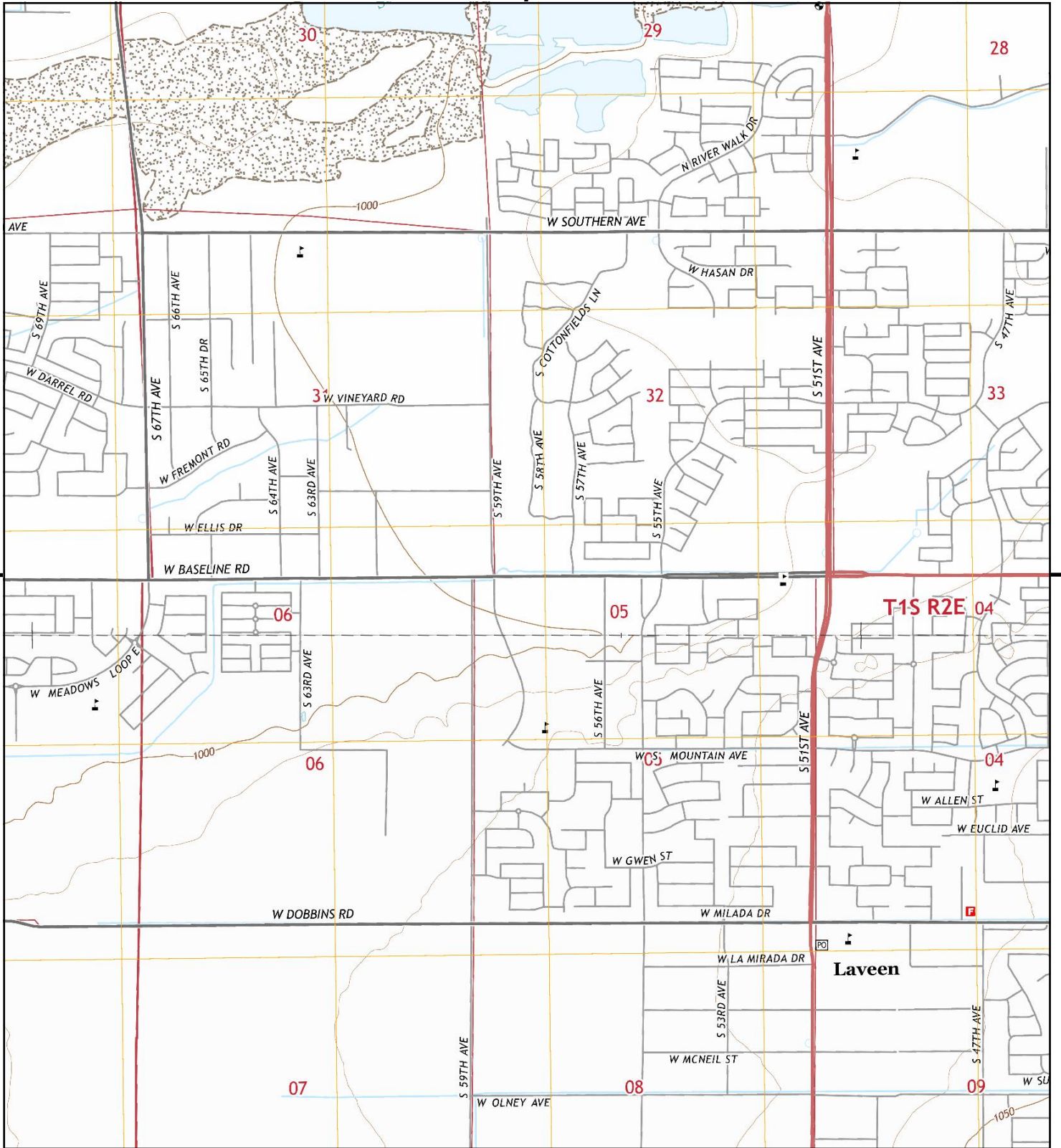


Phoenix
1914
15-minute, 62500

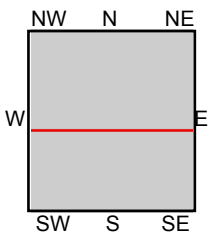
1912 Source Sheets



Phoenix
1912
15-minute, 62500



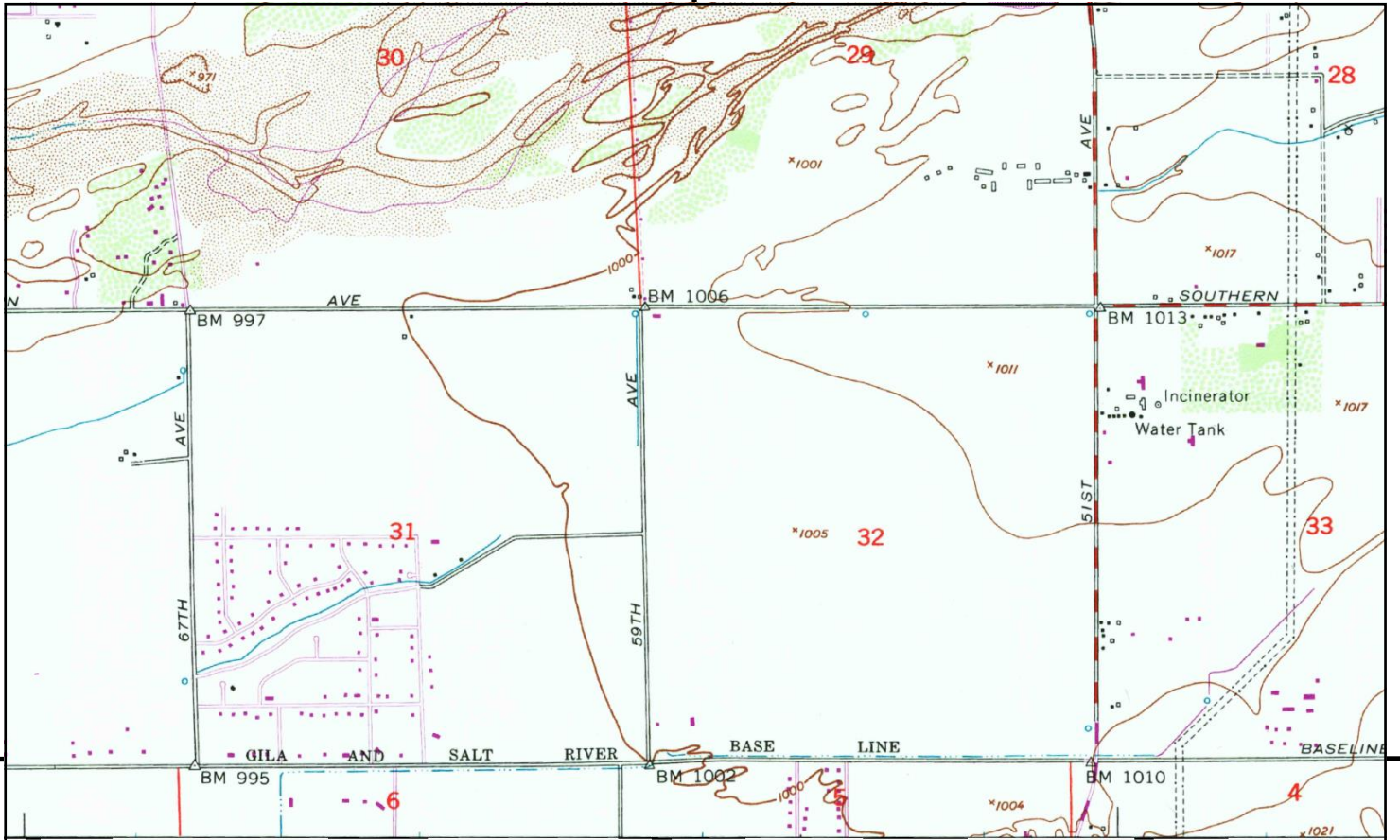
This report includes information from the following map sheet(s).



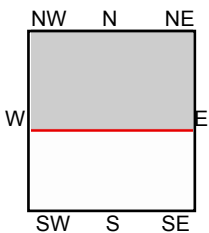
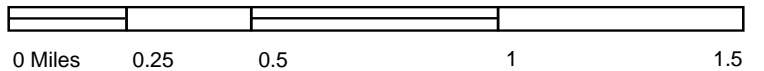
TP, Fowler, 2014, 7.5-minute
S, Laveen, 2014, 7.5-minute

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





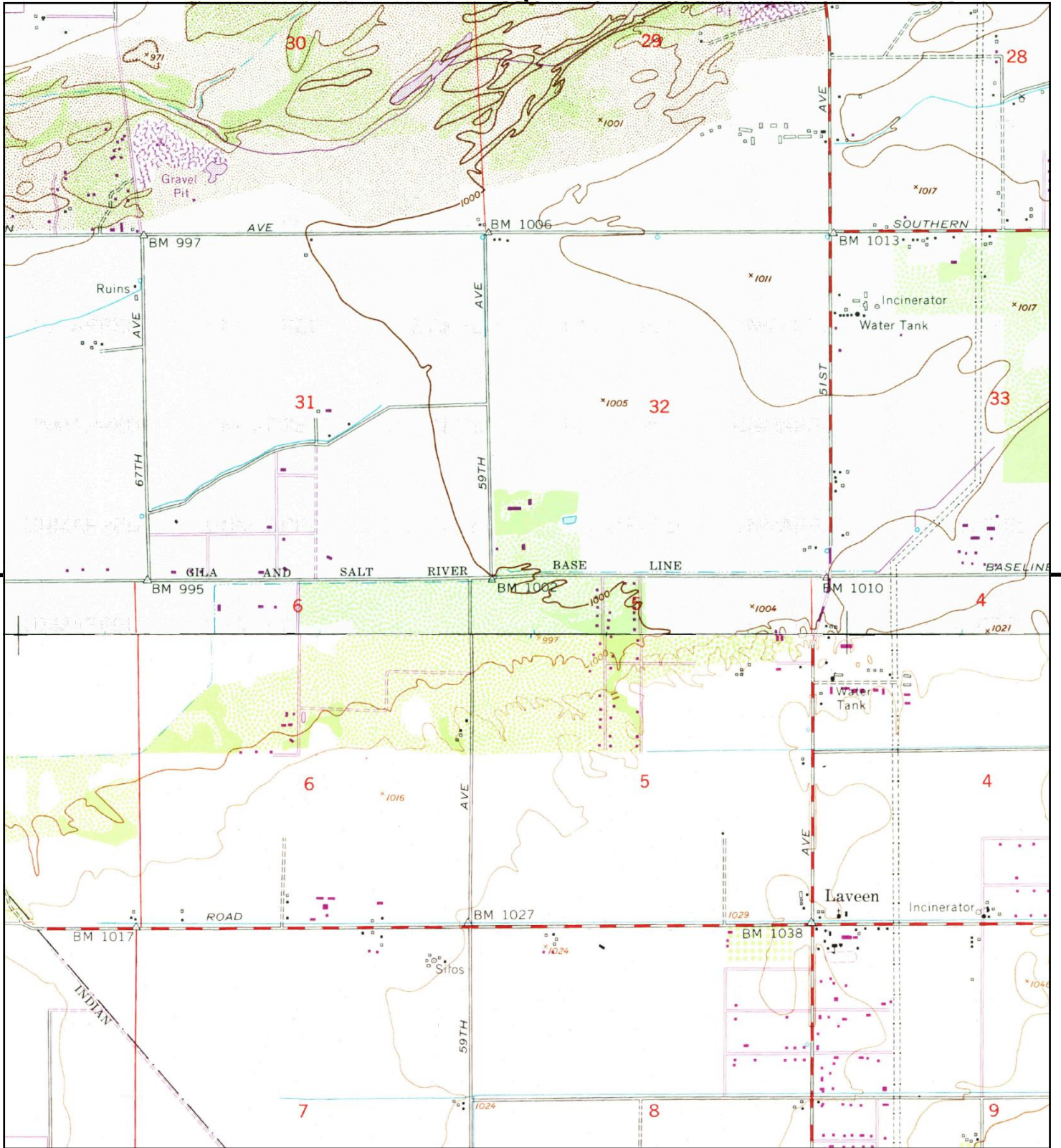
This report includes information from the following map sheet(s).



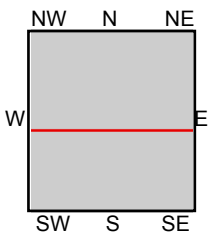
TP, Fowler, 1982, 7.5-minute

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





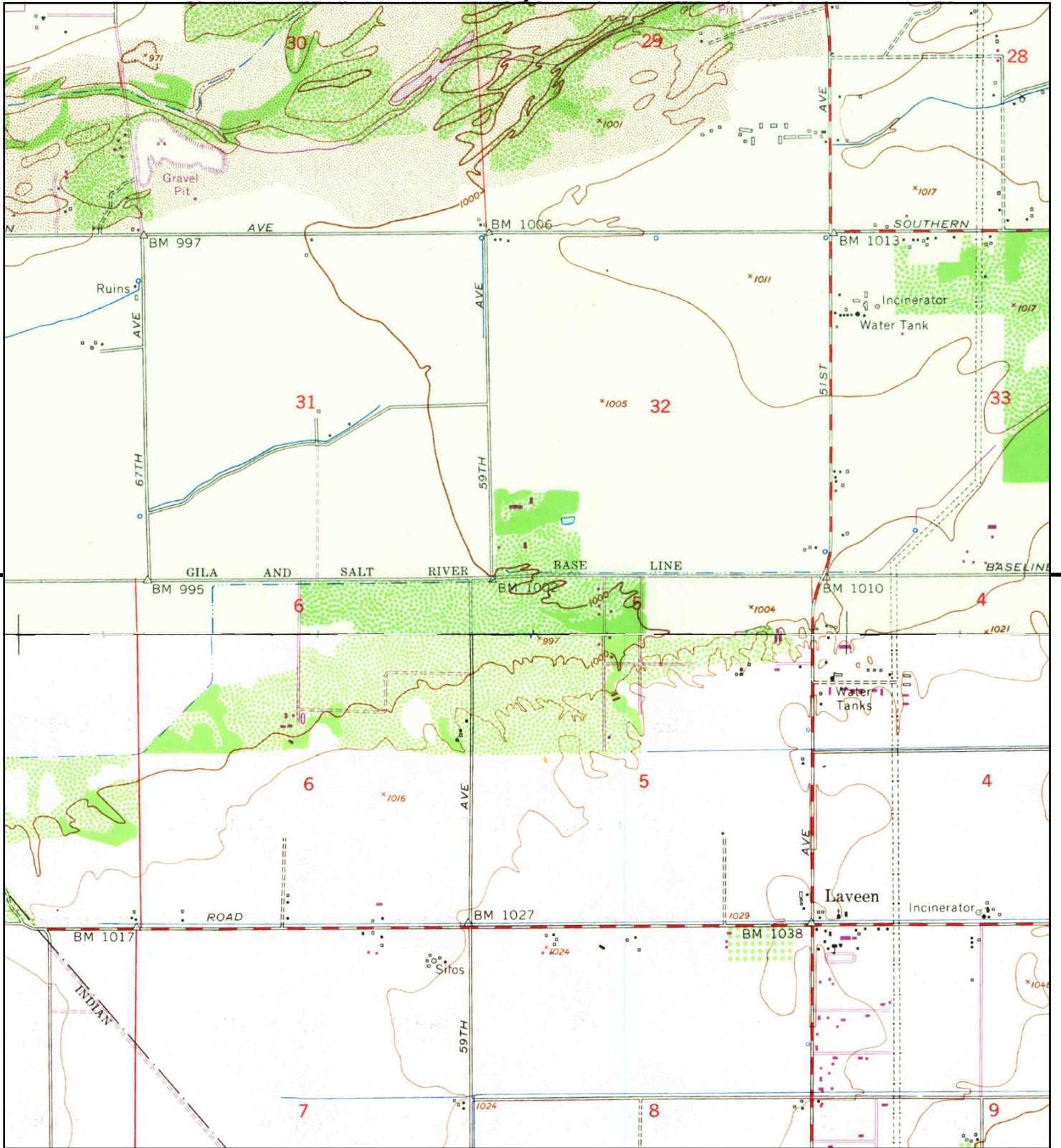
This report includes information from the following map sheet(s).



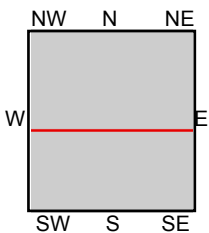
TP, Fowler, 1973, 7.5-minute
S, Laveen, 1973, 7.5-minute

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





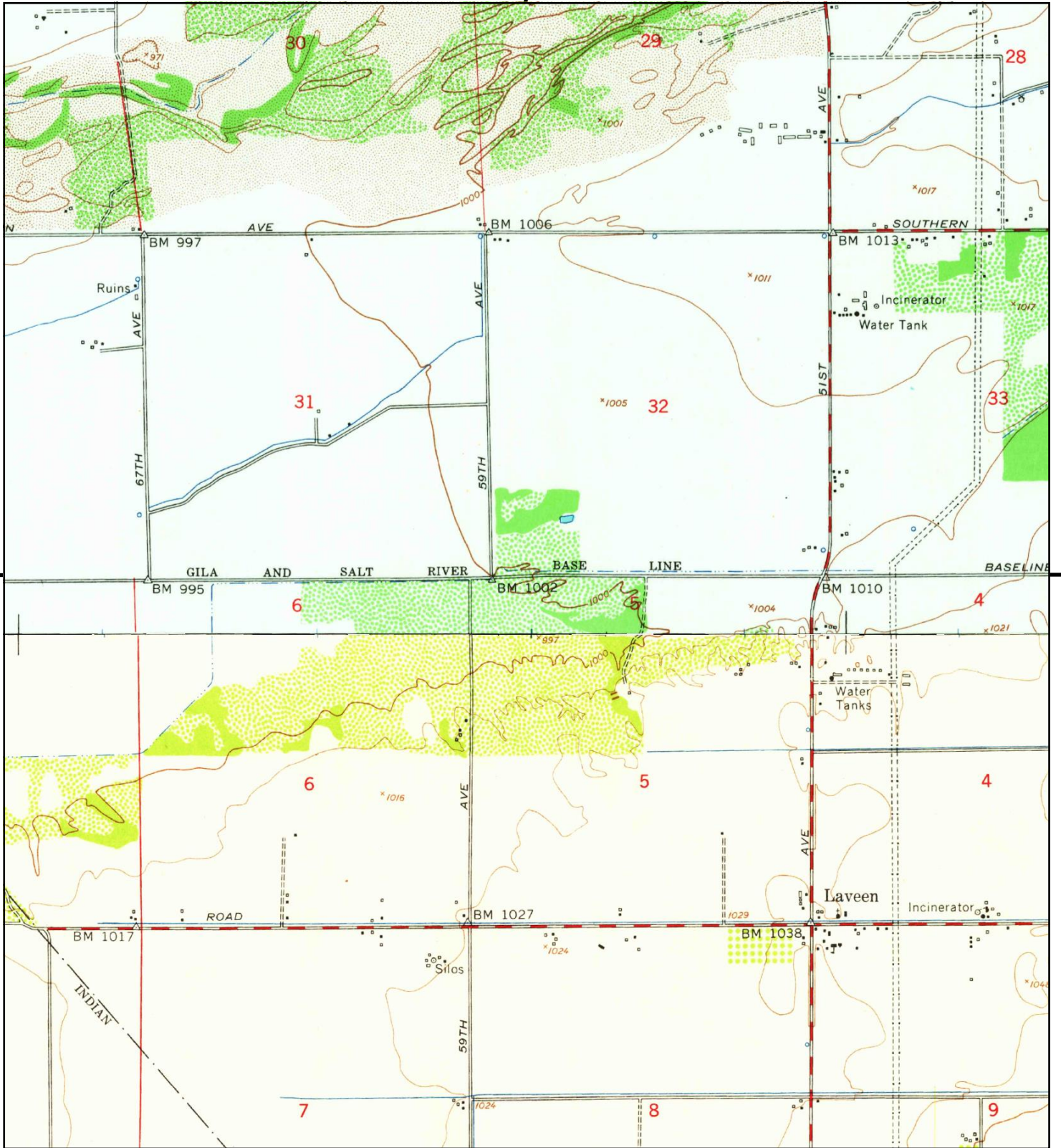
This report includes information from the following map sheet(s).



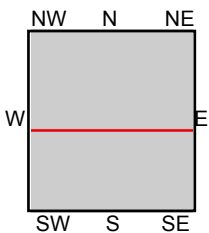
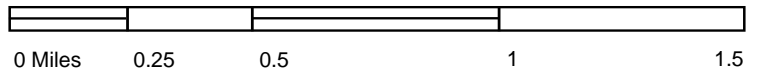
TP, Fowler, 1967, 7.5-minute
S, Laveen, 1967, 7.5-minute

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





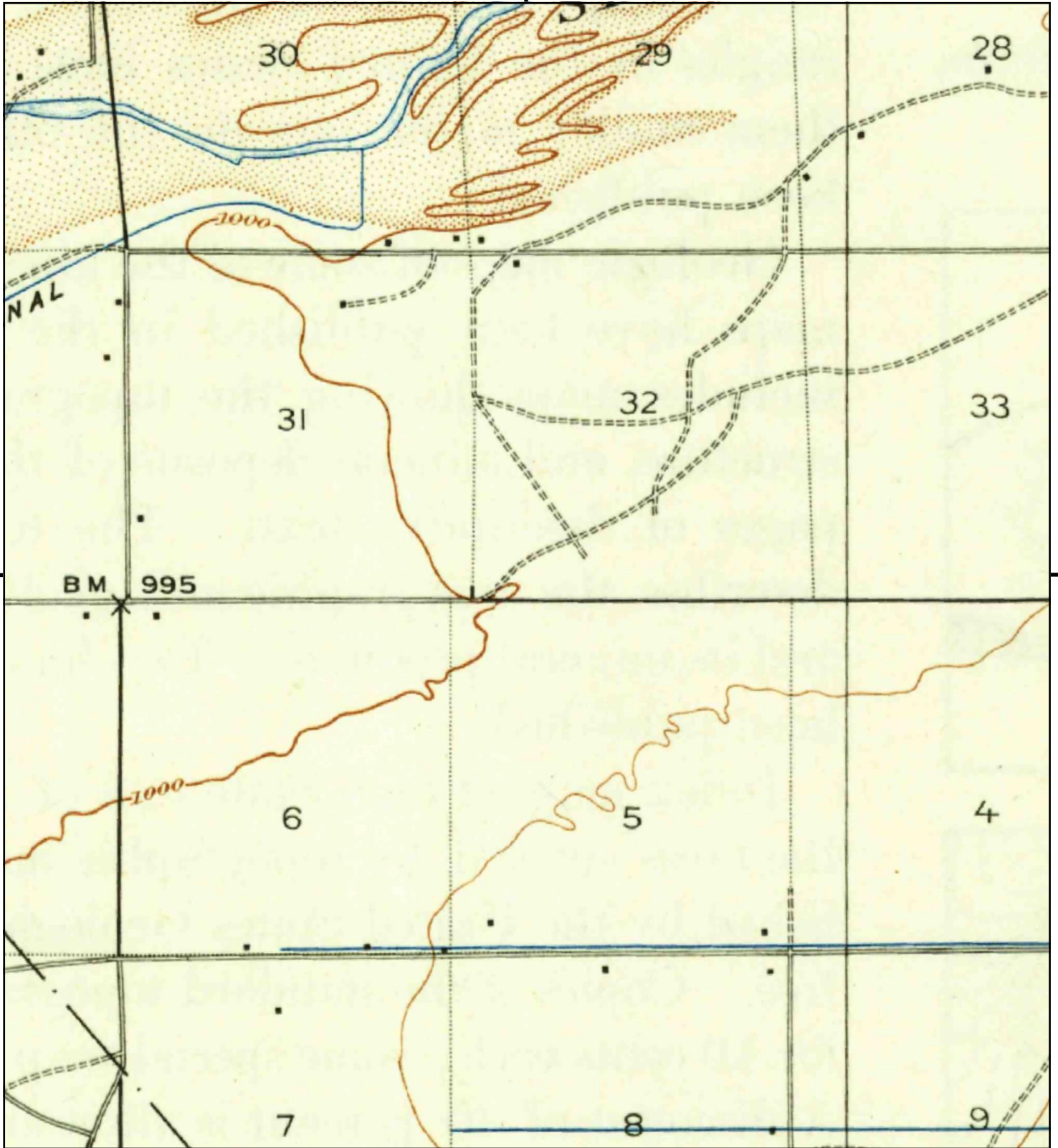
This report includes information from the following map sheet(s).



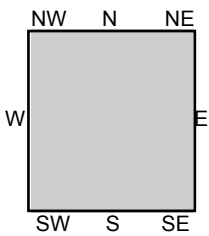
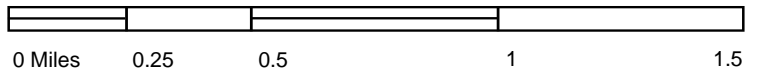
TP, Fowler, 1952, 7.5-minute
S, Laveen, 1952, 7.5-minute

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





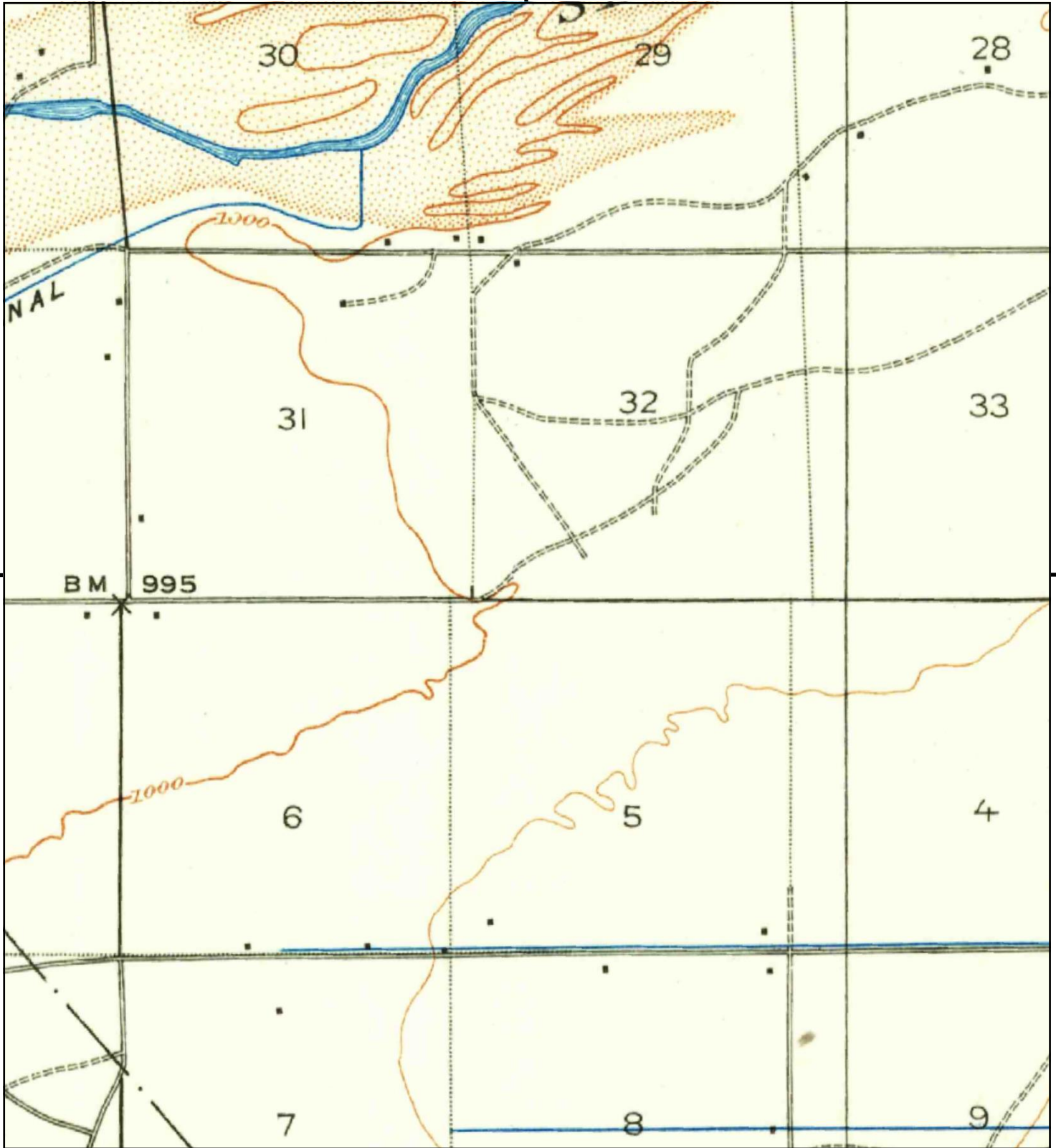
This report includes information from the following map sheet(s).



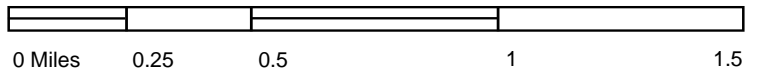
TP, Phoenix, 1914, 15-minute

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





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



TP, Phoenix, 1912, 15-minute

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



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:

Baseline Road West
5875 W Baseline Rd
Laveen, AZ 85339
EDR Inquiry # 5349733.3

Client Name:

Civil & Env Consultants
11811 N. Tatum Blvd. Suite 3057
PHOENIX, AZ 85028
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™

Limited Permission To Make Copies

Civil & Env Consultants (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice. Copyright 2018 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

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

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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

Disclaimer - Copyright and Trademark Notice

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

Copyright 2017 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

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.

EDR is licensed to reproduce certain City Directory works by the copyright holders of those works. The purchaser of this EDR City Directory Report may include it in report(s) delivered to a customer. Reproduction of City Directories without permission of the publisher or licensed vendor may be a violation of copyright.

Data by

infoUSA[®]

Copyright©2008
All Rights Reserved

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.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2014	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2010	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2005	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1992	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1989	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Criss-Cross Directory
1984	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Criss-Cross Directory
1979	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Criss-Cross Directory
1974	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Criss-Cross Directory
1967	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cole Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

5875 W Baseline Rd
Laveen, AZ 85339

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

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

W BASELINE RD 2014

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



-

W BASELINE RD 2010

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

W BASELINE RD 2005

5740 COTTONFIELD GOLF MGT LLC

W BASELINE RD 2000

5740 COTTONFIELD GOLF MGT LLC
MOUNTAIN VIEW GOLF CLUB

W BASELINE RD 1995

5740 GOLF 36 CORP

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

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
be Directory — — New Listing To The Street 8

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		95074

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 SC..D 6
 8200- 8399 TZ6232 SE..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

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

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- 7089 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

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

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&Engrm		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 Grain	.4	992-3609
------	-----------	----	----------

W BASELINE RD 1974

2245	JESSE LEE COOK	3	2763220
2340	MEL MARTIN	2	2760066
2415	DICK KING		-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 &	FAROLD MCDANIEL		-2682031
	*P&R PAVING&ENGRG		2682909
35 &	IKE N KEESEE	3	2765177
	LEROY B OZMENT	3	2681849
	CAN 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 COOD	3	2681577
51 &	A R FLANDERS	3	2684351
5501	*MAGIC FINGERS SALO-		2688611
© COPYRIGHT INFORMATION ON THIS PAGE			

W BASELINE RD 1974

PAGE 156

	5531		NP	
	5535*	LAST STCP INN		2769919
	56 &	*KLPD RADIC AM&FM		2606668
	59 &	H L ELLSWORTH	3	2687050
	63 &	TED BLOEMHCF	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 CIENFUEGCS	2	2684297
54	NO #	L L COOK		□2760266
45	NO #	BILLY G ELLINGTON	8	2766834
55	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 SNEAD		2763578
1	NO #	ROGER H STEVENS	8	2682909
	NO #	WILLIAM H TERRELL		□2764515
		40 RESIDENCE	8	BUSINESS

BEARDSLEY RD E 85024

W BASELINE RD 1967

JAGELINE 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 FIE	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		

APPENDIX J

QUALIFICATIONS OF CEC PERSONNEL

Stephen D. Doss

Project Manager

Mr. Doss is a Principal in CEC's Phoenix Office with 30 years of professional experience in energy E & P, environmental investigation and remediation and infrastructure planning and development.

Mr. Doss spent more than 18 years of his career working in various capacities for a major solid waste management company. During this period, he developed and implemented nationwide environmental compliance programs, managed closure/post-closure activities at both Subtitle C and Subtitle D solid waste landfills, conducted asset utilization strategies, managed companywide CERCLA liability minimization efforts, and directed market planning and infrastructure development activities.

Over the course of his career, he has managed in excess of \$165 million of liability and more than 200 CERCLA-related cases nationwide, including technical initiatives, toxic tort litigation, and various negotiation fronts with the regulatory and political communities, public and privately owned corporations, and other stakeholders.

Mr. Doss has been responsible for negotiations with State and Federal agencies involving RI/FS planning and implementation, ROD negotiation and remedy selection, and RD/RA planning and implementation, among other regulatory processes. He has served as chairman or member of executive and technical committees for major CERCLA matters, including those involving discussions and negotiation fronts related to General Notice and Special Notice Letter responses, AOCs, UAOs, among other legal matters.

In addition, he has directed outside legal counsel and technical experts in association with toxic tort matters, liability apportionment negotiations among PRP groups, and other associated legal matters, as well as overall business, environmental, safety and health, and operational activities at 10 inactive hazardous and non-hazardous solid waste management facilities located in the southeastern United States.

PROJECT EXPERIENCE

Environmental Management and Compliance Programs

Summit National Superfund Site

Served as Trustee member for the Summit National Superfund Site. The Trustees were responsible for directing the successful completion of the design and remedial action. The federal government required the potentially responsible parties to pay approximately \$33 million into the Trust. The project was completed 16 months ahead of schedule and under budget. Efforts by the Trustees allowed for refunding approximately \$10 million to the potentially responsible parties.

Vehicle Maintenance Storage Tank Management Program

EDUCATION

B.S., Geology, Missouri State University

Developed and implemented a nationwide vehicle maintenance storage tank management program at over 450 operating facilities. Managed regulatory compliance and technical issues related to environmental assessment and remedial actions at multiple operating facilities.

Property Acquisition Due Diligence

Directed nationwide due diligence policy efforts associated with property acquisitions and related business development opportunities.

Environmental Site Assessment and Remediation

RCRA Closure/Post-Closure

Managed the preparation and negotiation of multiple RCRA closure and post-closure plans, including clean and risk based closure criteria.

RCRA Site Management

Prepared groundwater sampling and analysis plans, spill prevention control and countermeasures plans, contingency plans, inspection plans, and health and safety plans.

Risk Assessment

Project Director for developing and successfully negotiating regulatory agency acceptance of a baseline risk assessment that included the preparation of a contaminant fate and transport model.

Remedial Investigation

Managed the preparation and task negotiation with the LDEQ of a RI work plan associated with a chemical services facility located in southern Louisiana. Responsible for the overall technical and financial aspects in conducting all corrective measures at the site.

SWMU Investigation

Technical Manager for a major chemical corporation in Houston, Texas. Managed all investigative tasks associated with a RCRA facility investigation including operations management and overall site control. Supervised field team and ensured activities completed on schedule. Developed work plans and provided technical guidance. Provided budget tracking and general project maintenance including scheduling, client support, and quality assurance/control.

Landfill Gas Management

Managed the operation and monitoring requirements associated with multiple landfill gas collection and destruction systems. Provided overall direction in system performance and environmental compliance monitoring and reporting requirements.

Landfill Construction

Successfully negotiated the design criteria associated with capping four pre-RCRA industrial solid waste landfills. Directed the cap design and work plan development; Maintained overall responsibility for construction quality control, financial management, and regulatory reporting requirements.

Permitting

Prepared and negotiated air (CAA) and surface water (CWA/NPDES) permit monitoring criteria with multiple state regulatory agencies.

Site Investigation and Remediation

Managed multiple site petroleum storage tank assessment, remediation, closure, and installation projects located throughout the US. Managed all project related assessment and remediation activities, including but not limited to: project development; technical and financial management; and regulatory affairs. Developed working knowledge and relationships with associated state regulatory entities. Responsibilities included regulatory interpretations and related permitting requirements with associated programs under SDWA, CAA, CWA, and OSHA. Responsibilities also included product evaluation, design and construction management of new storage tank systems.

Site Investigation

Project Manager for a multiple site petroleum storage tank closure and corrective action management program for a major oil field services corporation. Managed all aspects of planning and implementing the field investigations and personnel utilization, budget, and schedule. Provided technical guidance and quality assurance/control for work plan and report preparation.

Site Investigation

Project Manager for hydrogeologic investigations at four sites operated by a national truck leasing firm in association with petroleum storage tanks. Responsibilities include overall project supervision, planning and implementation of technical approach, manpower allocations, and budget and schedule development and management. Provided technical and quality control for all project reports.

Due Diligence Assessments

Project Manager for Phase I and II property transfer environmental site assessments in Texas. Responsibilities included project planning, implementation, budget and schedule development and control, and providing technical supervision. Prepared all reports associated with investigative projects.

RI/FS Compliance Monitoring

Responsible for Remedial Investigation compliance monitoring at an abandoned CERCLA wood treating facility in Arkansas. Managed and supervised budget and

field personnel. Provided technical review on reports and technical proposals. Provided written and oral communications for USEPA negotiations with RPs.

CERCLA/TSCA Investigation

Project Geologist for a PCB investigation associated with an abandoned tire manufacturing plant. Responsibilities included conducting an extent of contamination assessment of soils, groundwater, river sediment, and facility building materials.

CERCLA Investigation

Developed and implemented investigative work plans for two abandoned metal plating facilities, including schedule and budgets associated with the field investigations and remedial alternatives. Managed and supervised field team and project budget and schedule. Prepared all reports associated with investigative projects.

TSCA Investigation

Project Geologist for characterizing the extent of contamination of PCB contamination at a national gas pipeline transmission facility in Kentucky. Responsible for site investigation, data interpretation and reporting activities.

RCRA Permitting

Project Hydrogeologist at an active wood treating facility operated by a major wood products company in Arkansas. Provided hydrogeologic support in preparing a RCRA Part B application.

Health and Safety

Prepared OSHA 200, Tier II and related injury/illness and hazard communications documents. Conducted hazard assessments and prepared project and facility health and safety plans.

Water Balance Assessment

Directed the assessment and development of a water balance study (including modeling) of an approximate 400 acre area that resulted in managing modifications of multiple storm water conveyances based on modeled flow predictions.

Wildlife Management Area Development

Directed the development of a wildlife management area in association with the Wildlife Habitat Council at a 400-acre commercial hazardous waste facility in Louisiana.

Hazardous Waste Landfill Closure

Successfully negotiated a risk-based closure and reduced post-closure permit term for a commercial hazardous waste landfill resulting in a cost savings of over \$12 million.

Infrastructure and Asset Development**Regional Infrastructure Development Initiative**

Directed infrastructure development initiatives for a \$2+ billion Region including: conducting facility needs assessments, asset optimization, marketplace planning, site selection and permitting, management of design/build construction projects, acquisitions and divestitures. Actively guided development of project budgets, prepared financial models and recommended projects to executive leadership for capital expenditures. Managed and coordinated development initiatives with all key internal and external stakeholders.

Land Acquisition

Directed land acquisition efforts including property identification and evaluation to be consistent with development needs. Led contracting and due diligence efforts, purchase agreement negotiations, and closing and funding requirements.

Asset Optimization Strategic Planning

Led strategic planning efforts associated with asset optimization, including facility lifecycle analysis and planning, facility utilization efficiency, logistics, and property re-use.

Project Entitlement

Directed multiple project entitlement efforts associated with general plan amendments, zoning modifications, use permits, and construction related permits. Developed close working relationships with associated governing authorities, in addition to public relation efforts with elected officials; state, county and municipal organizations; and citizen groups and individuals. Directed all associated legal and technical efforts.

New Solid Waste Management Facility, UT

Directed the design, permitting, contracting, and construction of a 20,000 square foot, \$3.5 million solid waste management facility in Utah. Project included complex land acquisition efforts.

Regional Landfill Acquisition, UT

Successfully negotiated acquiring a regional landfill in Utah with an asset value of over \$2 billion. Directed design and construction efforts to open the facility.

New Transfer Station and Truck Maintenance Facility

Directed the design, permitting and construction of a \$10 million transfer station and truck maintenance facility (approximately 40 thousand square feet).

Greenfield Land Development Initiative, ID

Directed a 500-acre greenfield landfill development initiative in Idaho, including land acquisition, facility design and permitting/entitlements, and community, political and regulatory affairs.

Solid Waste Landfill and Transfer Station Permitting, Various States

Responsible for heavily regulated solid waste landfill and transfer station permitting initiatives, including major efforts in California and Arizona. Directed efforts in regulatory matters through multiple governing federal, state and local agencies (LEA, RWQCB, CIWMB, ADEQ, and FAA, among others) and associated regulatory frameworks, including, but not limited to, CEQA, CIWMB Titles 14 and 27, USEPA, COE, and FAA.

Inactive Solid Waste Management Facility Management

Managed asset development initiatives associated with over 80 inactive solid waste management facilities, and technical and financial exposures associated with closed remedial sites.

Life-cycle Evaluation

Multiple facility life-cycle evaluation which resulted in a \$350+ million reduction for closure and post-closure accruals for approximately 90 operating landfills.

Business Development Planning

Directed outside investors charged with preparing business development plans for select sites and implemented suitable development strategies with estimated net benefits in excess of \$30 million.

Ryan D. Dunning

Principal

Mr. Dunning is a Principal Geologist with 18 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 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

