

Note: This final Phase I Environmental Site Assessment contains revisions to the document posted at tucsonaz.gov/es/505-simpson on April 4, 2020. The revisions are contained in the Executive Summary Opinions and Conclusions (Page iv) and Section 1.2 Scope of Services (Page 6). Added text is underlined.
4/15/2020:FB/rm

Phase I Environmental Site Assessment

Former Flint Oil Site

APN 116-23-2070

HISTORICALLY KNOWN AS 500 WEST SIMPSON STREET

Tucson, Pima County, AZ

March 19, 2020

AAI Date: August 27, 2020

Terracon Project No. 63207024



Prepared for:

City of Tucson Environmental & General Services
Tucson, Arizona

Prepared by:

Terracon Consultants, Inc.
Tucson, Arizona

terracon.com

Terracon

Environmental



Facilities



Geotechnical



Materials

March 19, 2020



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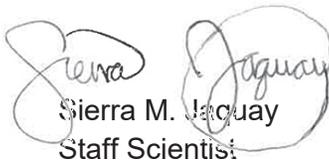
Re: Phase I Environmental Site Assessment
Former Flint Oil Site
APN 116-23-2070
Historically Known As 500 West Simpson Street
Tucson, Pima County, Arizona 85701
Terracon Project No. 63207024

Dear Ms. Patel:

Terracon Consultants, Inc. (Terracon) is pleased to submit the enclosed Phase I Environmental Site Assessment (ESA) report for the above-referenced site. This assessment was performed in accordance with Terracon Proposal No. P63207024 dated February 11, 2020.

We appreciate the opportunity to be of service to you on this project. In addition to Phase I services, our professionals provide geotechnical, environmental, construction materials, and facilities services on a wide variety of projects locally, regionally and nationally. For more detailed information on all of Terracon's services please visit our website at www.terracon.com. If there are any questions regarding this report or if we may be of further assistance, please do not hesitate to contact us.

Sincerely,
Terracon Consultants, Inc.



Sierra M. Jacquay
Staff Scientist



Derek D. Koller, CIH, CHMM
Office Manager / Senior Associate

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Environmental

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EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (ESA) was performed in accordance with Terracon Proposal No. P63207024 dated February 11, 2020 and was conducted consistent with the procedures included in ASTM E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The ESA was conducted under the supervision or responsible charge of Derek D. Koller, CIH, CHMM and Environmental Professional. On March 6, 2020, Derek R. Sizemore and Sierra M. Jaquay performed the site reconnaissance.

APN	Owner Name Site Address	Property Description	RECs Identified (Yes/No)
116-23-2070	City of Tucson 116-23-2070 (Former Flint Oil Site) <i>Historically Known as 500 W. Simpson Street</i>	The site covers approximately 1.29 acres and is developed with an approximate 575-square foot office building located on the northeast portion of the site.	Yes

Findings and Opinions

A summary of findings is provided below. It should be recognized that details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

Site Description and Use

The site is comprised of one parcel (APN 116-23-2070) and covers approximately 1.29 acres. The site is developed with an approximate 575-square foot building reportedly constructed in 1926. The remainder of the site is improved with a chain-link fence surrounding the northern three-fourths of the site and the southern quarter is vacant. At the time of the site reconnaissance, the office building was unoccupied and personnel from Southwest Hazard Control were performing various maintenance work on the site, such as bee extermination within the building and vegetation control.

Historical Information

Based on a review of available historical information, the site was deeded to Southern Pacific Company (later, the Union Pacific Company) in 1879 by the City of Tucson until 2002 when the City of Tucson became the owners of the site. Since approximately 1925, the site has been occupied by multiple bulk distributors of oil, fuel, and other related products: Rio Grande Oil Company, The Texas Co, ARCO, Shell Oil, Shell Wholesale, and Flint Oil. Numerous ASTs ranging in size from approximately 1,000 to 34,000-gallons and drums containing gasoline, diesel fuel, kerosene, and solvents have occupied the site.

The existing building is visible along the east boundary by 1936. Additions to the site were developed by 1949, 1954, and 1972, consisting of a warehouse along the western boundary, sheds and/or garages, an elevated canopied concrete platform, and a potential loading rack. The

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staged ASTs and drums were removed by 2007 and by 2010 the site was vacant with the exception of the office building located along the east boundary. The southern portion of the site remained vacant.

Historical records and previous environmental reports and investigations indicate historical uses at the site are indicative of a recognized environmental condition (REC). According to previous environmental investigations and reports, the site soil is contaminated with arsenic, lead, cadmium, and polycyclic aromatic hydrocarbons (PAHs) as a result of previous operations at the site.

Records Review

Selected federal and state environmental regulatory databases as well as responses from state and local regulatory agencies were reviewed. The site was listed in the current regulatory database report on the US Brownfields and UST databases. The US Brownfields listing indicated EPA funding from a community-wide assessment grant, awarded to the City of Tucson, was used to perform environmental due diligence at the site. The previous environmental assessments and investigations of the site determined RECs existed at the site as the site soil was contaminated with arsenic, lead, cadmium, and PAHs as a result of previous operations at the site.

Further, the listing of the site on the UST database indicated three USTs were registered to the Flint Oil facility. The three listed USTs were permanently removed in August 1999. Based on regulatory status, the UST listing does not represent a REC to the site at this time.

Based on distance, environmental setting and/or facility characteristics, other identified facilities and inquiry results from the local agencies do not constitute RECs in connection with the site at this time.

Prior Reports

Several previous environmental assessments and investigations have been performed at the site. According to the findings of those reports, the site soil is contaminated with arsenic, lead, cadmium, and polycyclic aromatic hydrocarbons (PAHs) as a result of previous operations at the site. Summaries of previous reports and findings at the site are provided in Section 3.7.

Site Reconnaissance

Based on site reconnaissance, RECs were not identified with the current site operations.

Adjoining Properties

The site is bound on the north by Handlers of Tucson; on the east by a roadway and residential development; on the south by West 17th Street, followed by an enclosed City of Tucson property to the east; and on the west by a recreational walking path followed by a JG&M tent for the Tucson Gem and Mineral Show. RECs to the site were not observed with the adjoining properties.

Additional Services

As requested by the client, additional services including an Asbestos Survey, XRF Lead-Based Paint Screening, Radon Records Review, FEMA Flood Insurance Rate Map Review, ASTM E 2600-15 Vapor Encroachment Screen, and US Housing and Urban Department (HUD) Noise Calculations, were conducted and are included in this report. Please note that the findings of the Asbestos Survey and XRF Lead-Based Paint Screening will be provided under separate cover. A summary of the other additional services performed is provided below detailed summaries provided in Section 7.0):

■ **Radon Records Review**

The Radon Records Review indicates that the site is considered to have a low potential for elevated indoor concentrations of radon gas. However, testing would be required to evaluate site-specific concentrations of radon gas.

■ **FEMA Flood Insurance Rate Map Review**

According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map Community Panel Number #04019C2278L, dated June 16, 2011, the site is located within Zone X, areas determined to be outside the 0.2% annual chance floodplain (500-year floodplain). A copy of the panel map is included in Appendix C. The EDR Report ordered for the regulatory database review (Section 4.0) maps the site as being outside a 500-year Flood Zone.

■ **The ASTM E 2600-15 Vapor Encroachment Screen**

Based on the physical setting of the site, the current use of the site and the findings from the historical and regulatory records review, vapor encroachment conditions (VECs) are likely to exist at the site.

■ **U.S. Department of Housing and Urban Development (HUD) Noise Calculations**

The site is located within 1,000 feet of one major roadway, Interstate 10. Terracon completed Day-Night Average Noise Level (DNL) calculations using the HUD DNL Calculator to determine if the site meets HUD Noise regulations. According to the DNL calculations, the site DNL is 71.7 decibels (dB), within the “Normally Unacceptable” range (65dB-75dB), indicating mitigation is required in order to build housing.

Opinions and Conclusions

We have performed a Phase I ESA compliance with the procedures included in ASTM Practice E 1527-13 at APN 116-23-2070, Tucson, Arizona, the site. Controlled RECs (CRECs) were not identified in connection with the site. The following RECs were identified at the site:

■ **REC 1: Historical Bulk Oil/Fuel Distributing Operations**

The operations of the multiple oil/fuel distributing facilities at the site from approximately the mid-1920s until the mid-2000s constitute a REC for the site.

■ **REC 2: Contaminated Site Soil**

According to the 2017 Brownfields Site Assessment Summary (BSAS) report prepared by SCS Engineers (SCS), contaminated site soil from the previous bulk oil/fuel distributing facilities remains at the site. Contaminants of concern included hydrocarbons, PAHs, and eight RCRA metals.

■ **REC 3: Potential Vapor Encroachment Condition (VEC)**

Based on previous bulk oil/fuel distributing operations at the site and north adjoining property and the results of environmental investigation performed by SCS, hydrocarbons and PAHs above SRLs are present at the site and are suspected to be present at the north adjoining property.

■ **REC 4: Potential or Historic Septic System**

Historical documents relating to sewer connection permits for the site could not be obtained and Pima County MapGuide sanitary sewer maps indicate that sanitary sewer structures were installed in the site vicinity in the early 1950s. As initial construction dates and oil-related operations at the site predate sanitary sewer construction dates, then there is the potential that former and/or the existing facility was connected to a septic system. As Terracon cannot obtain information whether a potential septic system was at the site and/or if it was connected to floor drains or similar features in the vicinity of oil storage, we consider the potential septic system to be a REC at the site.

Based on identification of RECs at the site, further investigation, as noted in the Recommendations, will be required to ensure that the site meets requirements at 58.5(i) or 50.3 (i) for the proposed HUD-assisted use. Pending the results of a Phase II ESA, corrective action may be required as well.

Significant Data Gaps

No significant Data Gaps were identified.

Recommendations

Based on the scope of services, limitations, and conclusions of this assessment, Terracon recommends the following additional actions:

■ **REC 1, 2, and 4: Historical Bulk Oil/Fuel, Contaminated Site Soil, and Potential or Historic Septic System**

It is our understanding that the City will likely elect to have the site entered into the Arizona Department of Environmental Quality's (ADEQ's) Voluntary Remediation Program. As such the site will need to be assessed into approximate 0.25-acre Decision Units and clean-up thresholds will be State of Arizona residential Soil Remediation Levels (rSRLs). This will require a subsurface soil investigation to update the findings in previous reports prior to planning remedial activities.

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Please note that the subsurface soil investigation should also be designed to address potential impacts from septic system(s) that may have been located at the site. If a septic system were encountered during redevelopment, it should be removed in accordance with Arizona Administrative Code (AAC) R18-9-A309D prior to new development.

■ **REC 3: Potential Vapor Encroachment Conditions (VECs)**

A soil gas investigation should be conducted to evaluate whether VECs exist at the site and will also likely be needed to receive a No Further Action (NFA) determination from ADEQ.

1.0 INTRODUCTION

1.1 Site Description

Site Name	Former Flint Oil Site
Site Location/Address	APN 116-23-2070 (<i>Historically known as 500 West Simpson Street</i>)
Land Area	Approximately 1.29 acres
Site Improvements	The site is developed with an approximate 575-square foot office building within the northeast portion. The remainder of the site is improved with a chain-link fence surrounding the northern three-fourths of the site and the southern quarter is vacant.

The location of the site is depicted on Exhibit 1 of Appendix A, which was reproduced from a portion of the USGS 7.5-minute series topographic map. The site and adjoining properties are depicted on the Site Diagram, which is included as Exhibit 2 of Appendix A. Acronyms and terms used in this report are described in Appendix F.

1.2 Scope of Services

This Phase I ESA was performed in accordance with Terracon Proposal No. P63207024 dated February 11, 2020 and was conducted consistent with the procedures included in ASTM E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The purpose of this ESA was to assist the client in developing information to identify RECs in connection with the site as reflected by the scope of this report, in addition to satisfying AAI, a purpose of the Phase I is to document compliance with 24 CFR 58.5 (i)(2) or 50.3(i). This purpose was undertaken through user-provided information, a regulatory database review, historical and physical records review, interviews, including local government inquiries, as applicable, and a visual noninvasive reconnaissance of the site and adjoining properties. Limitations, ASTM deviations, and significant data gaps (if identified) are noted in the applicable sections of the report.

ASTM E1527-13 contains a new definition of "migrate/migration," which refers to "the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface." By including this explicit reference to migration in ASTM E1527-13, the Standard clarifies that the potential for vapor migration should be addressed as part of a Phase I ESA. This Phase I ESA has considered vapor migration in evaluation of RECs associated with the site.

1.3 Standard of Care

This ESA was performed in accordance with generally accepted practices of this profession, undertaken in similar studies at the same time and in the same geographical area. We have endeavored to meet this standard of care, but may be limited by conditions encountered during

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performance, a client-driven scope of work, or inability to review information not received by the report date. Where appropriate, these limitations are discussed in the text of the report, and an evaluation of their significance with respect to our findings has been conducted.

Phase I ESAs, such as the one performed at this site, are of limited scope, are noninvasive, and cannot eliminate the potential that hazardous, toxic, or petroleum substances are present or have been released at the site beyond what is identified by the limited scope of this ESA. In conducting the limited scope of services described herein, certain sources of information and public records were not reviewed. It should be recognized that environmental concerns may be documented in public records that were not reviewed. No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs. No warranties, express or implied, are intended or made. The limitations herein must be considered when the user of this report formulates opinions as to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated – but not eliminated – through additional research or assessment. We will, upon request, advise you of additional research or assessment options that may be available and associated costs.

1.4 Additional Scope Limitations, ASTM Deviations and Data Gaps

Based upon the agreed-on scope of services, this ESA did not include subsurface or other invasive assessments, vapor intrusion assessments or indoor air quality assessments (i.e. evaluation of the presence of vapors within a building structure), business environmental risk evaluations, or other services not particularly identified and discussed herein. Credentials of the company (Statement of Qualifications) have not been included in this report but are available upon request. Pertinent documents are referred to in the text of this report, and a separate reference section has not been included. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the client; however, in some instances, information requested is not, or was not, received by the issuance date of the report. Information obtained for this ESA was received from several sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder. This ESA was further limited by the following:

- At the issuance of this report, a response for requested records from the Tucson Fire Department (TFD) had not yet been received. Based on other information developed while preparing this Phase I ESA, the lack of a TFD response does not constitute a significant data gap that could alter the conclusions presented in this report.

An evaluation of the significance of limitations and missing information with respect to our findings has been conducted, and where appropriate, significant data gaps are identified and discussed in the text of the report. However, it should be recognized that an evaluation of significant data gaps is based on the information available at the time of report issuance, and an evaluation of information received after the report issuance date may result in an alteration of our conclusions,

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recommendations, or opinions. We have no obligation to provide information obtained or discovered by us after the issuance date of the report, or to perform any additional services, regardless of whether the information would affect any conclusions, recommendations, or opinions in the report. This disclaimer specifically applies to any information that has not been provided by the client.

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site's current utilization, information derived from the most recent reconnaissance and from other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable, or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). Further, these services are not to be construed as legal interpretation or advice.

1.5 Reliance

This ESA report is prepared for the exclusive use and reliance of City of Tucson Environmental & General Services and Tucson Housing and Community Development. Use or reliance by any other party is prohibited without the written authorization of City of Tucson Environmental & General Services and Terracon Consultants, Inc. (Terracon).

Reliance on the ESA by the client and all authorized parties will be subject to the terms, conditions and limitations stated in the proposal, ESA report, and Terracon's Agreement. The limitation of liability defined in the Agreement is the aggregate limit of Terracon's liability to the client and all relying parties.

Continued viability of this report is subject to ASTM E1527-13 Sections 4.6 and 4.8. If the ESA will be used by a different user (third party) than the user for whom the ESA was originally prepared, the third party must also satisfy the user's responsibilities in Section 6 of ASTM E1527-13.

1.6 Client Provided Information

Prior to the site visit, Mr. Frank Ulloa, Authorized Client Representative, was asked to provide the following user questionnaire information as described in ASTM E1527-13 Section 6.

Client Questionnaire Responses

Client Questionnaire Item	Client Did Not Respond	Client's Response	
		Yes	No
Specialized Knowledge or Experience that is material to a REC in connection with the site.			X

Client Questionnaire Item	Client Did Not Respond	Client's Response	
		Yes	No
Actual Knowledge of Environmental Liens or Activity Use Limitations (AULs) that may encumber the site.	X		
Actual Knowledge of a Lower Purchase Price because contamination is known or believed to be present at the site.			X
Commonly Known or Reasonably Ascertainable Information that is material to a REC in connection with the site.			X
Obvious Indicators of Contamination at the site.			X

Terracon's consideration of the client provided information did not identify RECs. A copy of the completed questionnaire is included in Appendix C.

2.0 PHYSICAL SETTING

Physical Setting Information		Source
Topography (Refer to Appendix A for an excerpt of the Topographic Map)		
Site Elevation	Approximately 2,358 feet above msl.	Pima County MapGuide USGS Topographic Map Tucson North, Arizona, Quadrangle, 1996
Surface Runoff/ Topographic Gradient	Relatively flat area with general gradient towards the east-southeast	
Closest Surface Water	18 th Street Wash, approximately 0.05 miles south-southwest of the site	
Soil Characteristics		
Soil Type	Glendale silt loam; 0-3% slopes	Web Soil Survey USDA – NRCS, Pima County, Eastern Part, AZ, (AZ669), Version 16
Description	The Glendale series consists of very deep, well drained soils formed in stratified alluvium. Glendale soils are on alluvial fans, flood plains, and stream terraces and have slopes of 0 to 5 percent. These soils have a medium runoff and moderately slow permeability.	
Geology/Hydrogeology		
Formation	Quaternary surficial deposits, undivided	Geologic Map of Arizona Arizona, 2000
Description	Unconsolidated to strongly consolidated alluvial and eolian deposits, including: coarse, poorly sorted alluvial fan and terrace deposits on middle and upper piedmonts and along large drainages; sand, silt and clay on alluvial plains and playas; and wind-blown sand deposits	
Estimated Depth to First Occurrence of Groundwater	100 feet below ground surface (bgs)	Tucson Water 2018 Depth to Groundwater and Groundwater Elevation

Physical Setting Information		Source
*Hydrogeologic Gradient	To the north	Map – Tucson Basin and Avra Valley

* The groundwater flow direction and the depth to shallow, unconfined groundwater, if present, would likely vary depending upon seasonal variations in rainfall and other hydrogeological features. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

3.0 HISTORICAL USE INFORMATION

Terracon reviewed the following historical sources to develop a history of the previous uses of the site and surrounding area, in order to help identify RECs associated with past uses. Copies of selected historical documents are included in Appendix C.

3.1 Historical Topographic Maps, Aerial Photographs, Sanborn Maps

Readily available historical USGS topographic maps, selected historical aerial photographs (at approximately 10- to 15-year intervals) and historical fire insurance maps produced by the Sanborn Map Company were reviewed to evaluate land development and obtain information concerning the history of development on and near the site. Reviewed historical topographic maps, aerial photographs and Sanborn maps are summarized below.

Historical fire insurance maps produced by the Sanborn Map Company were requested from EDR to evaluate past uses and relevant characteristics of the site and surrounding properties. Based on inquiries to the above-listed Sanborn provided, Sanborn maps were not available for the site for 1919, 1947, 1949, and 1968; however, coverage was available for the property south-southeast of the site as described below:

- 1919: South- Undeveloped; Southeast- Single-story dwellings have been developed along the north boundary
- 1947: Southeast-Single-story dwellings have been developed along the south boundary
- 1968: South- Two single-story storage units have been developed along the north boundary and a multi -operational building has been developed along the east boundary, consisting of a metal paint spray booth, miscellaneous storage, and woodworking. Southeast- The dwellings have been removed and replaced by the City of Tucson Engineering Department for automotive repairs.
- **Topographic maps (1:24,000)**
 USGS Tucson North, Arizona, 2018, 2014, 2002, 1995, 1983, 1977, 1973, 1963, 1958, 1948
- **Aerial photographs (1" =500')**
 EDR: 2017, 2013, 2010, 2007, 2003, 1992, 1990,1984, 1976, 1972, 1954, 1949, 1936

Historical Maps and Aerial Photographs

Direction	Description
Site	<p>1936: The site appears graded and a building is located along the east boundary.</p> <p>1949: A building and apparent shade canopies have been developed along the west boundary. Apparent vertical ASTs are visible within the central portion of the site. A building has been developed south of the 1936 building along the east boundary.</p> <p>1954: The building on the west boundary has been expanded or replaced with a larger building, and a smaller building has been developed south of the 1949 building along the west boundary.</p> <p>1972-2003: Additional development has occurred along the east and south walls of the 1949 building. A structure is visible west-northwest of the eastern building.</p> <p>2007: All but one of the apparent vertical ASTs have been removed from the site.</p> <p>2010-2017: The site buildings have been removed with the exception of the 1936 building within the northeast portion.</p>
North	<p>1936: An apparent canopy and a commercial building have been developed along the southern and western boundaries, respectively.</p> <p>1949: Two buildings have been developed within the east portion of the property.</p> <p>1954-1972: An apparent addition has been developed along the eastern portion of the building along the west boundary. The canopy along the south boundary has been removed. One of the buildings along the east boundary has been removed.</p> <p>1976: The remaining building along the east boundary has been removed.</p> <p>1984-1992: An object is present along the south boundary east of the building.</p> <p>2007-2017: An apparent storage container or apparent canopy has been developed along the south boundary. The northern portion has been paved.</p>
East	<p>1936: The property is undeveloped.</p> <p>1949-2017: Residential development.</p>
South-Southeast	<p>1936: Unpaved South 17th Street, followed by undeveloped land.</p> <p>1949: Three residences have been developed within the northeastern corner of the property. Two commercial buildings have been developed south and west of the residences. The western portion of the property appears undeveloped.</p> <p>1954: An addition has been developed along the east exterior of the eastern commercial building. A building has been developed north of the western building.</p> <p>1972-1976: The three residential buildings have been removed. Ancillary structures have been developed surrounding the property. A building within the northwest corner of the property and a building, potentially a warehouse or canopy, along the west boundary have been developed.</p> <p>1984-2017: The two central buildings have been removed.</p>
West <i>Continued</i>	<p>1936: An alley followed by a railroad alignment, followed by undeveloped land (north) and a single-family residence (south).</p> <p>1949: West of the railroad alignment is a staged equipment/material area and potential ASTs. The 1936 residential building has been removed. Three structures are visible on the property.</p> <p>1954-1976: Two additional structures have been developed within the northeastern corner.</p> <p>1983-1992: Vertical ASTs were present on the property.</p>

Direction	Description
West <i>From Previous</i>	2007: The railroad alignment has been removed. The buildings, equipment and ASTs have been removed and the property is vacant. 2010-2017: A metal frame for a temporary tented building is visible along the east boundary.

The aerial photography review corroborates other information developed by Terracon indicating the site as used for petroleum production storage and distribution. Terracon considers these former operations to represent a REC to the site.

3.2 Historical City Directories

The Polk, Arizona Directory Co., Mullin-Kille Co., Cole, and InfoUSA city directories used in this study were made available through the Joel D. Valdez Pima County Public Library (selected years reviewed: 1925, 1927, 1930, 1932, 1936, 1940, 1944, 1951, 1955, 1960, 1965, 1969-1970, 1974, 1975, 1979, 1980, 1984-1985, 1989, 1991, 1995, 1997, 2001, 2003, 2005, 2010, 2013, 2015, and 2018) and were reviewed at approximate five-year intervals, if readily available. Since these references are copyright protected, reproductions are not provided in this report. There is not a current street address for the site; however, the previous addresses for the site were identified as Mission Road at Railroad, Simpson at Railroad, 500 West Simpson Street, and 548 West 17th Street, Tucson, Arizona.

Historical City Directories

Direction	Description
Site	Mission Road at Railroad: Rio Grande Oil Co (1925-1935). Simpson at Railroad: Texas Oil Co (1940); Richfield Oil Co (1940-1944); Shell Oil Co (1940); Continental Oil Co (1940). 500 West Simpson Street: Address not listed (1925-1960); ARCO (1965-1980); Shell Oil Co/Shell Wholesale (1965-1975); Flint Oil (1980-2005); Address not listed (2010-2018). 548 West 17th Street: Address not listed (1925); Rio Grande Oil Co (1930); Shell Oil Co (rear) (1930-1944); Address not listed (1951-2018).
North	511 West Simpson Street: The Texas Co (1930); The Texas Co (1950-1955); Atlantic Richfield Co (1955-1960); Arizona Paper Stack Company (1960-1970); Consolidated Fibers (1975); Handlers of Tucson Inc (1985); Handlers of Tucson Inc (2005-2018) 527 West Simpson Street: Handlers of Tucson Inc (1995-2001); Address not listed (2005); Handlers of Tucson Inc (2010-2019)
East	Prior to the apparent residential development of the east adjoining properties by approximately 1949, the properties were undeveloped land. Therefore, review of City Directories was deemed unnecessary to understand the historical uses of the east adjoining properties.
South <i>Continued</i>	720 South 11th Avenue: Address not listed (1951-1960); Automotive Shop Building Maintenance and Construction Division (1964); City Automotive Shop (1969) 728 South 11th Avenue: Residential listing (1927) 515 West 17th Street: Address not listed (1925, 1960-2018); Residential listing (1930-1951); address not listed (1960-2018)

Direction	Description
<p style="text-align: center;">South <i>From Previous</i></p>	<p>510 West 18th Street: Address not listed (1927-1944); Residential listing (1951); Address not listed (1960); Residential Listing (1964); City Building Maintenance Department (1969-1974); City Electric Shop (1969-1974); City Automotive Division (1969-1974); City Traffic Engineering Department (paint section) (1969-1974); City Water and Sewer Department (Equipment and Maintenance Shop) (1974); City Water Department (Equipment and Maintenance Shop) (1984-1985-1989); Address not listed (1997-2003); Residential listing (2008); Address not listed (2013-2018). Corner of Osborn: City Water Works (1930-1936). 594 West 18th Street: Address not listed (1927-2018)</p>
<p style="text-align: center;">West</p>	<p>558 West Simpson Street: Address not listed (1925-1951); Asphalt Products Transport Co (1955-1965); Vacant (1969) 600 West Simpson Street: Address not listed (1930-1944); Stancal Asphalt and Bitmulus Co (1950); American Bitmulus & Asphalt Co (1955-1960); American Bitumulus & Asphalt Co Manufacturers (1964); Chevron Asphalt Co (1965-1991) 601 West Simpson Street: Address not listed (1927-1990); Chevron Companies (1995)</p>

Based on a review of the city directories, The Texas Co, ARCO, Shell Oil, Shell Wholesale, and Flint Oil facilities operated at the site/north adjoining properties from 1930 until the mid-2000s. A review of historical records and aerial imagery corroborated the operations of these facilities at the site and north adjoining property and identified ASTs, and drums at the site and north adjoining property. Based on the review of the Brownfields Site Assessment Summary report, further discussed in Section 3.7, and the reported soil contamination at the site, these petroleum-related site listings for 500 West Simpson Street (the Site) constitute a REC to the site at this time.

3.3 Site Ownership

Based on a review of information obtained from the Pima County Assessor’s website, City of Tucson has owned the site (APN 116-23-2070) since 2015. The Pima County Assessor’s website did not provide ownership information prior to 2015. The online records further indicated that the 576-square-foot office within the northeast portion was reportedly constructed in 1926.

3.4 Title Search

At the direction of the client, a title search was not included as part of the scope of services. Unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.5 Environmental Liens and Activity and Use Limitations

An environmental lien and activity and use limitations report was prepared by Texas Environmental Research dated March 4, 2020 as part of this authorized scope of work. According to the report, no environmental liens or AULs were reported in records researched associated with the site.

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The EDR regulatory database report included a review of both Federal and State Engineering Control (EC) and Institutional Control (IC) databases. Based on a review of the database report, the site was not listed on the EC or IC databases. Please note that in addition to these federal and state listings, AULs can be recorded at the county and municipal level that may not be listed in the regulatory database report.

3.6 Interviews Regarding Current and Historical Site Uses

The following individuals were interviewed regarding the current and historical use of the site.

Interviews

Interviewer	Name / Phone #	Title	Date Received
Terracon	John Cahill / (520) 837-6768	Owner Representative	3/19/2020

Terracon sent Mr. John Cahill a Phase I ESA Interview Questionnaire form and received the completed copy back on March 19, 2020. A copy of the form is included in Appendix C. A summary of information obtained from the form is provided below:

- Mr. Cahill assisted with platting the South Yard Drill Track subdivision in 2014 from property the City acquired from the Southern Pacific Railroad in 1999.
- Mr. Cahill is aware of previous environmental assessments and investigations that have been performed at the site and those reports were provided to Terracon (*See Section 3.7 for summaries*).
- Mr. Cahill is aware of former features such as 55-gallon drums, ASTs, and stained soils that were at the site in addition to a former wastewater drainage feature.
- Mr. Cahill is not aware of any pending, threatened or past environmental litigation, proceedings or notices of possible violations of environmental laws or liability in connection with the site. Mr. Cahill is aware of the identified and potential environmental concerns at the site disclosed in previous assessments and investigations.

Other pertinent information gathered from Mr. Cahill's completed form has been incorporated into this Phase I ESA Report.

3.7 Prior Report Review

Terracon requested the client provide any previous environmental reports, permits, registrations, and geotechnical reports they are aware of for the site. Terracon was provided a copy of a previous Brownfields Site Assessment Summary, which is summarized in this section.

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- Brownfields Site Assessment Summary
Former Flint Oil Property
505 (500, 511, or 527) West Simpson Street
Tucson, Arizona 85701
Prepared for: City of Tucson Environmental Services Engineering & Technical Support
Brownfields Program
Prepared by: SCS Engineers (SCS)
Dated: September 17, 2009

Please note that the SCS Engineers (SCS) Brownfields Site Assessment Summary (BSAS), dated September 17, 2009 and performed for the City of Tucson, also included summaries of the following previous environmental reports, also performed by SCS and prepared for the City of Tucson:

- *Phase I Environmental Site Assessment, Flint Oil Property 500 (511 and 527) West Simpson Street Tucson, Arizona, dated October 17, 2006.*
- *Geophysical Report, 511/527 West Simpson Street, Flint Oil Property Electromagnetic Survey, Tucson, Arizona, dated March 12, 2008.*
- *Asbestos Survey, Flint Oil Property, 500 West Simpson Street Tucson, Arizona dated, May 1, 2008.*
- *Surface Soil Sampling Report, Former Flint Oil Property, 500 West Simpson Street Tucson, Arizona, dated May 21, 2008.*
- *Soil Sampling Report, Former Flint Oil Property, 500 West Simpson Street Tucson, Arizona, dated January 29, 2009.*
- *Demolition Observation, Soil Boring, and Soil Sampling Activities, Former Flint Oil Property, 505 (500, 511, or 527) West Simpson Street Tucson, Arizona, dated September 2, 2009.*

The SCS BSAS identified the site and north adjoining property as having been occupied by fuel and oil distributors for more than 80 years. The BSAS summarized a Phase I ESA, a geophysical survey, and waste characterization of concrete pads. The SCS BSAS noted SCS performed a Phase I ESA of the site in October 2006. This report identified that the site was owned by the Southern Pacific Company, later called the Union Pacific Company from 1879 until 2002, when the City of Tucson became the current owner. SCS further identified fuel, oil, and other related products occupied the site from approximately 1925 until 2007, including USTs, ASTs, and drums. According to a fire department report, soil samples collected beneath the three USTs that were removed in 1999 did not show evidence of a release of petroleum hydrocarbons.

A geophysical survey conducted by Zonge International was performed in February 2008 to identify underground piping, unidentified USTs, potential septic systems, cesspools, or other

sewage disposal features. Anomalies associated with buried utilities and other known features were identified.

In 2008, surface soil sampling activities at the site were performed by SCS to investigate the extent of potential impacts to soil at the site within the areas of stained soil, former drum storage areas, former fuel or other product fill/dispenser locations, vehicle maintenance garages, areas adjacent to the warehouse platform, runoff areas, and locations of ASTs and associated equipment. Samples were analyzed for hydrocarbons, polynuclear aromatic hydrocarbons (PAHs), eight RCRA metals, volatile organic compounds (VOCs), and semi-VOCs (SVOCs). VOCs and SVOCs were not detected in the analyzed samples. Hydrocarbons and PAHs were detected in the collected samples. Arsenic, lead, cadmium, and PAHs were detected in concentrations above State of Arizona Soil Remediation Levels (SRLs). SCS recommended soil remediation be conducted in the areas where concentrations were detected above the SRLs.

Trenching and shallow subsurface soil sampling was also performed by SCS in 2008 to further investigate identified areas of concern and where previous soil sample results exceeded the SRLs. Samples collected during this investigation were analyzed for hydrocarbons, PAHs, eight RCRA metals, VOCs and or SVOCs. PAHs, VOCs, and SVOCs were not detected in the samples analyzed for these compounds. Hydrocarbons, arsenic, lead, barium, chromium and mercury were detected in the collected samples. At the time of these sampling activities, SRLs were not established for hydrocarbons. Arsenic exceeded the Non-Residential SRLs (nSRLs) in three samples collected within the south portion of the site, adjacent to the former ASTs.

Soil borings were installed throughout the site in November 2008 to further evaluate the deeper subsurface soil. Hydrocarbons, PAHs, arsenic, and lead were detected in these samples.

SCS oversaw demolition activities on the site and north adjoining property in April 2009 in an effort to limit disturbance of the soil known to contain lead, arsenic, and PAHs. Further, SCS collected samples beneath the elevated warehouse concrete pad, below the hydraulic cylinder lift located in the former shop garage, and beneath the floor drain of the storage garage, and one beneath the subsurface wastewater drainage feature. These samples were analyzed for hydrocarbons, PAHs, eight RCRA metals, and VOCs. The hydraulic lift and floor drain samples were also analyzed for PCBs.

Hydrocarbons were detected in samples collected from the elevated concrete pad, hydraulic lift, and wastewater drainage feature. PAHs were detected in a sample collected from the elevated concrete pad. Metals were also detected in the samples. The detections of these samples did not exceed SRLs, and VOCs and PCBs were not detected above laboratory reporting limits.

In summary, the characterization of the Former Flint Oil Property found that arsenic, lead, cadmium, and PAHs were found in areas of the site above applicable State of Arizona SRLs. Arsenic exceeded the SRL and nSRL at the ground surface east of the elevated platform, east and northeast of the shop garage, and within the southern AST area. Further, arsenic was

detected above residential Soil Remediation Levels (rSRLs) and nSRL in the subsurface at depths between 0.5 and 5 feet bgs.

Lead was detected above the RSRL and/or nSRL at the ground surface east of the elevated platform, north, east, and south of the storage garage, north and northeast of the shop garage, and within the southern AST area.

Cadmium exceeded the RSRL at one surface location west of the shop garage and was not detected in subsurface soil samples.

The PAH benzo[a]pyrene exceeded the nSRLs at one surface sample location in the north-central portion of the site, and in deeper samples, benzo[a]pyrene and benz[a]anthracene, exceeded the rSRLs

SCS concluded contamination of PAHs versus lead, arsenic, and cadmium occur in different locations of the site likely a result of previous use and storage across the site. SCS recommended remediation of soil be performed at the locations of the site where SRLs were exceeded. Further, SCS recommended soil in the areas where demolition occurred be removed to the disturbed depths as these areas contained contaminants above the SRLs. Confirmation samples should be collected after remediation activities to confirm the removal of the contaminants.

4.0 RECORDS REVIEW

Regulatory database information was provided by EDR, a contract information services company. The purpose of the records review was to identify RECs in connection with the site. Information in this section is subject to the accuracy of the data provided by the information services company and the date at which the information is updated. The scope herein did not include confirmation of facilities listed as "unmappable" by regulatory databases.

In some of the following subsections, the words up-gradient, cross-gradient and down-gradient refer to the hydrogeologic gradient in relation to the site. As stated previously, the groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and the depth to the soil/bedrock interface. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

4.1 Federal and State/Tribal Databases

Listed on the next page are the facility listings identified on federal and state/tribal databases within the ASTM-required search distances from the approximate site boundaries. Database definition, descriptions, and the database search report are included in Appendix D.

Federal Databases

Database	Description	Distance (miles)	Listings
CERCLIS	Comprehensive Environmental Response, Compensation, & Liability Information System	0.5	0
CERCLIS / NFRAP	Comprehensive Environmental Response, Compensation, & Liability Information System/No Further Remedial Action Planned	0.5	1
ERNS	Emergency Response Notification System	Site	0
IC / EC	Institutional Control/Engineering Control	Site	0
NPL	National Priorities List	1	0
NPL (Delisted)	National Priorities Delisted List	0.5	0
RCRA CORRACTS/ TSD	RCRA Corrective Action Activity	1	0
RCRA Generators	Resource Conservation and Recovery Act	0.25	0
RCRA Non-CORRACTS/ TSD	RCRA Non-Corrective Action Activity	0.5	1

State/Tribal Databases

Database	Description	Distance (miles)	Listings
AUL	Activity and Use Limitation	Site	0
Brownfields	Brownfields Sites	0.5	11
LUST	Leaking Underground Storage Tanks	0.5	12
SHWS	State Hazardous Waste Site	0.5	1
SPILLS	Hazardous Material Incident List	Site	0
SPL	Superfund Program List	1	1
SWF/LF	Solid Waste Facilities/Landfills	0.5	2
UST	Underground Storage Tanks	0.25	3
VCP	Voluntary Cleanup Program	0.5	1
WQARF	Water Quality Assurance Revolving Fund Sites	1	1

In addition to the above ASTM-required listings, Terracon reviewed other federal, state, local, and proprietary databases provided by the database firm. A list of the additional reviewed databases is included in the regulatory database report included in Appendix D.

The following table summarizes the site-specific information provided by the database and/or gathered by this office for facilities identified within a 500-foot radius of the site. Facilities are listed in order of proximity to the site. The distance and direction of identified facilities relative to the site were verified using the Pima County MapGuide website. Additional discussion for facilities located

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within a 100-foot radius of the site or 200-foot radius and up-gradient of the site, if any, follows the summary table.

Listed Facilities

Facility Name and Location	Estimated Distance / Direction / Gradient	Database Listings	Is a REC, CREC, or HREC to the Site
Flint Oil Co 500 W. Simpson Street	Site	UST	Yes
Flint Oil 505 W. Simpson Street 527 W. Simpson Street	Site <i>And includes Adjoining Property to the North</i>	US BROWNFIELDS	Yes
Chevron USA INC TU 601 W. Simpson Street	60 feet / W / Cross-Gradient	RCRA NonGen/NLR, ECHO	No
Tucson Water City of Tucson 510 W. 18 th Street Bldg. 10	80 feet / SSE / Up-Gradient	RCRA NonGEN/NLR	No
City of Tucson - West 18 th Street Fuel Island 510 W. 18 th Street	80 feet / SSE / Up-Gradient	RCRA NonGEN/NLR, MANIFEST, LUST, UST, EMAP	No
Ralphs Transfer Inc 747 S Freeway	300 feet / W / Cross-Gradient	RCRA NonGEN/NLR, ECHO, LUST, UST, EMAP	No

Flint Oil Co – 500 West Simpson Street

The former site facility Flint Oil Co was listed in the UST database of the current regulatory database. A review of the listing indicates three USTs were registered to this facility and were closed and removed in August 1999. The EDR report did not indicate the recording of any violations.

Terracon reviewed the SCS 2017 BSAS report further discussed in Section 3.7 of this report. Based on environmental investigations performed between 2006 and 2009, the site soil is reportedly contaminated from petroleum products.

Flint Oil – 505 and 527 West Simpson Street

The former site facility which also extended onto the property north of the site, was listed in the US Brownfields Database of the current regulatory database. The reason for the listing is that EPA funding from a community-wide assessment grant, awarded to the City of Tucson, was used to perform environmental due diligence at the site. Terracon reviewed the 2017 BSAS which

summarized the findings of several environmental reports previously conducted at the site (See Section 3.7 of this Phase I ESA Report). Environmental investigations and activities were performed at the site between 2006 and 2009. The previous Phase I ESA Report did identify RECs at the site and the subsequent investigations indicated soil contamination at the site and soil remediation was recommended. The site has been vacant with the exception of the unoccupied office building, since the 2009 demolition activities were performed. Based on the reported soil contamination at the site as indicated by the SCS Phase II ESA, this listing does represent a REC to the site at this time.

Chevron USA Inc Tucson Asphalt PLT/Chevron USA Inc/Southern Pacific Co – 601 West Simpson Street

This former facility, located west adjacent and hydrogeologically cross-gradient of the site, was listed in the RCRA Non-generator/NLR and ECHO databases of the current regulatory database. The RCRA listing indicates that the facility was listed as a small quantity generator in 1980 and by 1996 was listed as a non-generator. Violations were not reported for this facility. The ECHO listing is an informational listing likely due to the facility's RCRA listing. Based on regulatory status, apparent topographic and hydrogeologic gradient, and depth to groundwater, this former facility does not represent a REC to the site at this time.

Tucson Water City of Tucson – 510 West 18th Street BLDG 10

This facility, located south adjacent and hydrogeologically up-gradient of the site, was listed in the RCRA Non-generator database of the current regulatory database. The RCRA listing indicates that the facility did not generate hazardous waste and no violations were reported. Based on regulatory status, apparent topographic gradient, and depth to groundwater, this facility does not represent a REC to the site at this time.

City of Tucson - West 18th Street Fuel Island – 510 W. 18th Street

This facility, located south-southwest adjacent and hydrogeologically up-gradient of the site, was listed in the RCRA Non-generator, Manifest, LUST, UST, and EMAP databases of the current regulatory database. The following pertinent information regarding this facility was developed through review of the EDR Report:

- The RCRA listing indicates that the facility does not currently generate hazardous waste and has not since February 2010. The facility was classified as a conditionally exempt small quantity generator in 1994, 1997, 2006, 2008, and 2009. Violations with this facility were not found.
- The MANIFEST listing is an informational listing likely due to the facility's RCRA listing.
- The UST database listings indicates that six (6) USTs were removed from the site in December 1987 and October 1998. The UST Facility ID number for the site is 0-003544. During the site reconnaissance, Terracon observed a fueling station within the southeast corner of the property. This would indicate at least one UST is still present at this facility.
- The LUST listings indicate that LUST ID 0370.01 and 0370.02 were closed in November 1990 and April 1999, respectively, and that closed soil levels met Risk-Based Corrective Action (RBCA) Tier 1.

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- The EMAP database is an information database that indicates the facility was a gas filling station.

Based on regulatory status, apparent topographic gradient, and depth to groundwater, this facility does not represent a REC to the site at this time.

The remaining facilities listed in the database report do not appear to represent RECs to the site at this time based upon apparent topographic or hydrogeologic gradient, depth to groundwater, and/or distance from the site.

Unmapped facilities are those that do not contain sufficient address or location information to evaluate the facility listing locations relative to the site. The report listed seven facilities in the unmapped section. Determining the location of unmapped facilities is beyond the scope of this assessment; however, none of these facilities were identified as the site or adjacent properties. These facilities are listed in the database report in Appendix D.

4.2 Local Agency Inquiries

Agency Contacted/ Contact Method	Response
Arizona Department of Environmental Quality (ADEQ) Megasearch / Online https://megasearch.azdeq.gov/megasearch/	Terracon reviewed ADEQ's online permit database for the site via the ADEQ Megasearch website. No results were found within the searched databases for the 505, 511, and 527 site addresses. ADEQ records for 500 West Simpson Street indicated three 6,000-gallon USTs containing new oil were registered to the Flint Oil Co located at 500 W. Simpson Street and were installed at the site in 1985 and removed without violations or indications of releases in September 1999. Pumps were located west of each tank.
Arizona Department of Water Resources (ADWR) – Well Registry Database / Online http://gisweb3.azwater.gov/wellReg	Terracon reviewed the Well Registry Database and found no records of a well located on the site.
City of Tucson Property Research Online (PRO) / https://www.tucsonaz.gov/pro/pdsd/ <i>Continued Next Page</i>	Terracon reviewed the online permit database for the site. Site (500 W Simpson St) occupants during the records review included Richfield Oil Co (1961), Flint Oil Co (1976), and ARCO Petroleum Products Co (1980). This online search identified records of electrical work, building additions, steel guard installations for storage tanks, signs, site drawings, business licenses, UST installation, and three site maps.

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Agency Contacted/ Contact Method	Response
<p>City of Tucson Property Research Online (PRO) / https://www.tucsonaz.gov/pro/pdsd/</p> <p><i>From Previous Page</i></p>	<p>The 1976 business license indicated Flint Oil Co Inc was a retail facility for oil, gas, tires, batteries and accessories.</p> <p>The 1980 business license indicated ARCO Petroleum Products was a Distribution Terminal that generated 1,100 gallons of #2 Diesel-Distillate on a monthly basis.</p> <p>According to a TFD record dated July 1983, 3 6,000-gallon oil USTs were installed for Flint Oil Co. According to a site map, the USTs were to contain used oil, immediately east of the building located along the west boundary.</p> <p>The SCS Phase I ESA report included information obtained from a commercial property card for APN 117-14-356 occupied by Shell Oil Co. The property card indicated improvements to the site included two storage buildings built in 1926 and 1927, two loading docks, a chain link fence, seven bulk tanks ranging from 1,000-gallons to 34, 256-gallons, five 6,331-gallon bulk tanks, four 12,546-gallon bulk tanks, a gas pump, blacktop, and concrete.</p> <p><i>Records identified for the other addresses associated with the site are discussed following this table.</i></p>
<p>Pima County Development Services (PCDS) / https://permits.pima.gov/acaprod/</p>	<p>Terracon reviewed PCDS's online permit database for the site via the Pima County MapGuide website. This online search did not identify any permits for the site addresses.</p>
<p>Pima County Regional Wastewater Reclamation Department (RWRD) / Online http://sewerconnection.pima.gov/</p> <p><i>Continued Next Page</i></p>	<p>Historical documents relating to sewer connection permits for the site could not be obtained; however, Pima County MapGuide sanitary sewer maps indicate that sanitary sewer structures were installed in the site vicinity in the late 1940s. As these sanitary sewer system dates within the site vicinity predate construction dates at the site, it is possible that the site buildings were formerly connected to septic systems. As Terracon cannot obtain information whether a potential septic system was at the site and/or if it was connected to floor drains or similar features in the vicinity of oil storage, we consider the potential septic system to be a REC at the site. If a septic system is encountered during site development, it should be removed in accordance</p>

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Agency Contacted/ Contact Method	Response
Pima County Regional Wastewater Reclamation Department (RWRD) / Online http://sewerconnection.pima.gov/ <i>From Previous Page</i>	with Arizona Administrative Code (AAC) R18-9-A309D prior to new development. According to the 2006 SCS Phase I ESA report, Mr. Fred Flint, owner of the Flint Oil Company, indicated he was not aware of a septic system on the site.
Tucson Fire Department (TFD) / by e-mail: TFDRecords@tucsonaz.gov	Terracon e-mailed the Tucson Fire Department to inquire if they possessed records of environmental significance for the site. At the issuance of this report, a response had not been received from the Fire Department. Based on other information developed while preparing this Phase I ESA Report, Terracon does not deem this to be a significant data gap that could alter the conclusions provided in this report. According to the SCS Phase I ESA report dated 2006, records within the TFD file for the site included a 4,000-gallon diesel AST removal permit (1982); a permit for the installation of three 6,000-gallon new oil USTs (1983); UST testing permits (1995,1996); UST permanent closure notification for the 6,000-gallon new oil USTs (1999); UST removal results report by Zelen Environmental indicating releases were not identified, although there was evidence of a spill or overflow; however, hydrocarbons or BTEX were not detected in the collected samples; (1999); the listed AST contents at the site included gasoline, diesel, kerosene, solvents, and rubber solvents ranging between 10,000 and 25,000-gallon ASTs (no date).

Additional COTDS File Summary

505 West Simpson Street (currently north adjoining) – Records for this address included permits related to the April 2007 removal of 7 ASTs and the 2009 demolition of the bulk petroleum distributor warehouse and one shed.

Further, according to the SCS 2006 Phase I ESA report, commercial property records dated 1971 and 1972 indicated Richfield Oil Bulk Plants occupied APN 117-14-356. Additional information on the property card indicated improvements to this property included two loading docks, two canopies, a warehouse, an office, fencing, and gates, and six bulk tanks ranging from 4,400 to 20,000 gallons.

511 West Simpson Street (north of site) – Records associated with this address were for Texas Oil Co, Shell Oil Co (1953), Richfield Oil Corp (1953), Paper Mill Supply Co Inc (1958), Arizona Paper Stock Paper Mill Supply (1960), Arizona Paper Stock (1965), Arizona By Products (1965),

Arizona Paper Stock Corporation (1966), Humble Oil Company (1967), Copper State and Iron Metal (1974). Records and permits included a lease map dated 1965 illustrating Southern Pacific leased land to Texas Co, Richfield Oil Co, and Shell Oil Co, additions to an existing dock, warehouse, installation of a loading rack, installation of a drywell (12” by 18”, 25” deep), complaint about a roof, referral report, hydraulic pump, certificates of occupancy, business licenses, installation of a UST and dispensing pump (for Arizona Paper Stock Corp-1967), electrical permits and communications between the City of Tucson and Arizona Paper Stock Corp regarding business permitting issues.

527 West Simpson Street – Records included water/heater gas line replacement permit, business licenses for Starbrite Electric Enterprises (1984) and the Handlers of Tucson (1985), electrical permit and fire inspection record.

5.0 SITE RECONNAISSANCE

5.1 General Site Information

Information contained in this section is based on a visual reconnaissance conducted while walking through the site and the accessible interior areas of structures, if any, located on the site. The site and adjoining properties are depicted on the Site Diagram, which is included in Exhibit 2 of Appendix A. Photo documentation of the site at the time of the visual reconnaissance is provided in Appendix B. Credentials of the individuals planning and conducting the site visit are included in Appendix E.

General Site Information

Site Reconnaissance				
Field Personnel	Sierra M. Jaquay and Derek R. Sizemore			
Reconnaissance Date	March 6, 2020			
Weather Conditions	Sunny, 75°F			
Site Contact/Title	Gira Patel/City of Tucson Environmental Scientist			
Building Description				
Building Identification	Building Use	Approx. Construction Date	Number of Stories	Approx. Size (ft ²)
Site Building	Vacant	1926	1	575
Site Utilities (previously serviced)				
Drinking Water	Tucson Water			
Wastewater	Pima County Wastewater Reclamation Department			
Electric	Tucson Electric Power			
Natural Gas	Southwest Gas			

5.2 Overview of Current Site Occupants and Operations

The site is comprised of one parcel (APN 116-23-2070) and covers approximately 1.29 acres. The site is developed with an approximate 575-square foot building reportedly constructed in 1926. The remainder of the site is improved with a chain-link fence surrounding the northern three-fourths of the site and the southern quarter is vacant. At the time of the site reconnaissance, the office building was unoccupied and personnel from Southwest Hazard Control were performing various maintenance work on the site such as bee extermination within the building and vegetation control.

5.3 Site Observations

The following table summarizes site observations and interviews. Affirmative responses (designated by an “X”) are discussed in more detail following the table.

Site Characteristics

Category	Item or Feature	Observed or Identified
Site Operations, Processes, and Equipment	Emergency generators	
	Elevators	
	Air compressors	
	Hydraulic lifts	
	Dry cleaning	
	Photo processing	
	Ventilation hoods and/or incinerators	
	Waste treatment systems and/or water treatment systems	
	Heating and/or cooling systems	
	Paint booths	
	Sub-grade mechanic pits	
	Wash-down areas or carwashes	
	Pesticide/herbicide production or storage	
	Printing operations	
	Metal finishing (e.g., electroplating, chrome plating, etc.)	
	Salvage operations	
	Oil, gas or mineral production	
Other processes or equipment	X	
Aboveground Chemical or Waste Storage	Aboveground storage tanks	
	Drums, barrels and/or containers ≥ 5 gallons	
	MSDS or SDS	
Underground Chemical or Waste Storage, Drainage or Collection Systems	Underground storage tanks or ancillary UST equipment	
	Sumps, cisterns, French drains, catch basins and/or dry wells	
	Grease traps	
	Septic tanks and/or leach fields	
	Oil/water separators, clarifiers, sand/triple traps, interceptors	
	Pipeline markers	
	Interior floor drains	

Category	Item or Feature	Observed or Identified
Electrical Transformers/ PCBs	Transformers and/or capacitors	
	Other equipment	
Releases or Potential Releases	Stressed vegetation	
	Stained soil	
	Stained pavement or similar surface	
	Leachate and/or waste seeps	
	Trash, debris and/or other waste materials	X
	Dumping or disposal areas	
	Construction/demolition debris and/or dumped fill dirt	X
Releases or Potential Releases	Surface water discoloration, odor, sheen, free-floating product	
	Strong, pungent or noxious odors	
Other Notable Site Features	Exterior pipe discharges and/or other effluent discharges	
	Surface water bodies	
	Quarries or pits	
	Wastewater lagoons	
	Wells	

Site Operations, Processes, and Equipment

Other processes or equipment

During Terracon’s site visit, Southwest Hazard Control was on-site maintaining the property and performing activities such as bee extermination within the on-site building and vegetation control. For Southwest Hazard Control’s operations, a tractor, excavator, wood chipper, and roll-off container were on-site at the time of the site visit.

Releases or Potential Releases

Trash, debris and/or other waste materials

A temporary roll-off container used by Southwest Hazard Control was present at the site. The apparent roll-off contents were vegetation. Based on visual observations of surface materials only, Terracon personnel did not observe materials that would indicate or infer the presence of a REC.

Construction/demolition debris and/or dumped fill dirt

A soil pile was present near the northwest corner of the site. Four concrete barricades were located within the southwestern portion of the enclosed area on the site. Based on visual observations of surface materials only, Terracon personnel did not observe materials that would indicate or infer the presence of a REC.

6.0 ADJOINING PROPERTY RECONNAISSANCE

Visual observations of adjoining properties (from site boundaries) are summarized on the next page:

Adjoining Properties

Direction	Description
North	Handlers of Tucson (program for disabled adults)
East	Roadway followed by residences
South	West 17 th Street followed by an enclosed City of Tucson property (includes fueling station within southeast corner)
West	An asphalt-paved recreational walking path followed by JG&M tent (for the Tucson Gem & Mineral Show) and an asphalt-paved parking lot.

7.0 ADDITIONAL SERVICES

Per the agreed scope of services specified in the proposal, the following additional services (i.e., FEMA Flood Insurance Rate Map Review, Radon Records Review, ASTM E 2600-15 Vapor Encroachment Screen, and US Housing and Urban Department (HUD) Noise Calculation) were conducted.

7.1 FEMA Flood Insurance Rate Map Review

According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map Community Panel Number ##04019C2278L, dated June 16, 2011, the subject site is located within Zone X, Areas determined to be outside the 0.2% annual chance floodplain (500-year floodplain). A copy of the panel map is included in Appendix C. The EDR Report ordered for the regulatory database review (Section 4.0) maps the site as being outside a 500-year Flood Zone. Additionally, the United States Fish and Wildlife Service National Wetlands Inventory (NWI) map was reviewed and identified no wetlands on site. Copies of the FEMA and NWI maps are included in Appendix C and a copy of the EDR report is provided in Appendix D.

7.2 Radon Records Review

Radon is a naturally occurring radioactive gas produced through the natural decay of uranium to stable lead. It is odorless, tasteless, and invisible. Elevated concentrations of radon can be found in soils and rocks containing uranium, granite, shale, phosphate, and pitchblende. Locations of these materials are highly unpredictable. Elevated levels of radon may also be found in soils containing certain types of industrial wastes, such as the by-products from uranium or phosphate mining. Radon can accumulate inside structures at concentrations that may pose risks to human health. Indoor radon levels are influenced by building construction and the concentration of radon in the underlying soil.

Pursuant to the client's request, Terracon reviewed the Phase One County Radon Results prepared by Arizona Radiation Regulatory Agency (ARRA) to identify the site location in terms of potential for average indoor radon concentrations. The study indicated the site is located in EPA Zone 2, which has a predicted average indoor screening level between 2.0 and 4.0 pCi/L. The EPA recommends a guideline action level of 4.0 pCi/L for annual average indoor radon

concentrations in residential properties. The action level is based on an exposure of 18 hours per day for 40 years. Based on this information, the site is considered to have a low potential for elevated indoor concentrations of radon gas. However, testing would be required to evaluate site-specific concentrations of radon gas.

7.3 ASTM 2600-15 Vapor Encroachment Screen

Terracon conducted a Tier 1 Vapor Encroachment Screening (VES), in general accordance with the procedures included in ASTM E 2600-15, *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*. The purpose of the Tier 1 VES is to evaluate whether a vapor encroachment condition (VEC) may be present at the site. A VEC is defined by ASTM as the “presence or likely presence of chemical(s) of concern (COC) vapors in the subsurface of the target property caused by the release of vapors from contaminated soil or groundwater or both either on or near the target property as identified by the Tier I procedures in the *Guide*.”

This purpose was pursued through use of information collected in conjunction with the ESA, including existing/planned use of the site, type of structures located on the site, surrounding property description, user information, historical and physical records review, regulatory database review, manmade or natural conduits, as applicable, and a visual noninvasive reconnaissance of the site and adjoining properties. Limitations, ASTM deviations, and significant gaps (if identified) are evident from reviewing the applicable scope of services and the Phase I report text.

The scope of work for the Tier 1 VES does not include regulatory file reviews (other than those performed as part of the Phase I ESA) or subsurface investigations to evaluate soil, soil gas, or groundwater quality, nor does it evaluate the potential for vapor intrusion into on-site structures or assess indoor air quality.

7.3.1 Existing / Planned Use of the Site/Structures

The site is an approximately 1.29-acre property that is currently developed with an approximate 575-square foot building with a wood floor on concrete footers. Future planned use is to maintain the current building and to develop affordable housing units.

7.3.2 Surrounding Area Description

Please refer to Section 6.0.

7.3.3 User Specialized Knowledge

Please refer to Section 1.6.

The client is having this VES performed to meet HUD requirements and did not indicate they had specialized knowledge or experience that may be pertinent to the screening of VECs in connection with the site.

7.3.4 Historical Records

Please refer to Section 3.0.

Based on review of the historical information, historical site uses of potential concern included the oil/fuel distributing facilities from at least 1925-2007. Off-site uses of potential concern included the historical northern-adjointing down-gradient oil/fuel distributing facility from approximately the 1930s to 1980 and a historical up-gradient municipal fueling island located approximately 83 feet south-southeast of the site. Based on Terracon's review of the historical records, VECs were identified on the site and the north-adjointing property. Previous site investigations identified the presence of PAHs that exceed the rSRLs and hydrocarbons were detected above laboratory reporting limits. At the time of the sampling activities, SRLs for hydrocarbons were not established.

In their 2006 Phase I ESA, SCS recommended sampling activities be performed at the north adjoining property. Based on a review of the various SCS environmental reports, it does not appear sampling activities occurred at the north adjoining property. According to Figure 11 of the SCS September 2009 Demolition Observation and Sampling Report, PAHs that exceed the RSRL were detected extending beyond the north boundary of the Former Flint Oil Site onto the southern portion of the north adjoining property. The south adjoining property does not constitute a VEC for the site because the two LUST cases associated with the facility were closed with soil levels meeting RBCA Tier I.

The known constituents of concern are PAHs and eight RCRA metals sourced from the ASTs. Further, concentrations of hydrocarbons at the site were detected, ranging between 160 and 350 milligrams per kilogram; however, at the time of the previous assessments rSRLs for hydrocarbons were not established.

The suspected constituents of concern are PAHs, eight RCRA metals, and hydrocarbons sourced from the former ASTs located on the north adjoining property, down-gradient of the site.

7.3.5 Regulatory Records

Terracon reviewed the regulatory database (see Section 4.0) for facilities potentially utilizing petroleum hydrocarbons within one-tenth of a mile of the site and facilities potentially using other volatile chemicals of concern within one-third of a mile of the site. Based on Terracon's review of the regulatory records, Terracon did identify potential facilities of concern. Based on Terracon's review of the regulatory records, VECs were identified on the site associated with the identified potential facilities of concern.

The known COCs are PAHs, eight RCRA metals, and hydrocarbons associated with the former on-site oil/fuel distributing facilities. According to the SCS 2017 BSAS, the COCs have not been remediated and areas across the site exceed the rSRLs and is therefore not ready for residential land use. Further, concentrations of hydrocarbons at the site were detected, ranging between 160

and 350 milligrams per kilogram; however, at the time of the previous assessments rSRLs for hydrocarbons were not established.

The suspected COCs are PAHs, eight RCRA metals, and hydrocarbons sourced from the former ASTs located on the north adjoining property, located down-gradient of the site.

7.3.6 Physical Setting Characteristics

The site is located within the Tucson Basin, characterized by unconsolidated sands silts and clays deposited in the Pleistocene age. Glendale silt loam soil is identified by the NRCS as the Glendale series. The Glendale series consists of very deep, well drained soils formed in stratified alluvium. Glendale soils are on alluvial fans, flood plains, and stream terraces and have slopes of 0 to 5 percent. These soils have a medium runoff and moderately slow permeability. The depth to groundwater is estimated to be 120 feet bgs, and the direction of ground water flow is estimated to be to the north, based on the Tucson Water 2018 Depth to Groundwater and Groundwater Elevation Maps.

The northern adjoining former bulk oil/fuel distributing facility is considered to be down-gradient of the site.

7.3.7 Natural or Man-made Conduits

The site is located in a developed area of the city containing utilities along the adjacent rights of way. Based on the presence of potential identified vapor sources in the site vicinity it is likely that man-made conduits, such as utility corridors, provide a potential path for vapor migration. Natural conduits, such as karst terrain/features, are not known to exist in the site vicinity.

7.3.8 Conclusions

The Tier 1 VES results are summarized herein, and the conclusion from the Tier I screening is presented below.

Based on the findings from the historical and regulatory records review, a VEC was likely to exist at the site.

7.4 US HUD Noise Calculation

The scope of services was limited to the calculation of noise levels to determine compliance with the HUD environmental noise regulations in 24 Code of Federal Regulations (CFR) Part 51B. The purpose of these regulations is to encourage the control of noise sources affecting urban housing, encourage land use patterns for housing that will provide a suitable separation between them and major noise sources, and generally prohibit HUD support for new construction of noise sensitive uses on sites having unacceptable noise exposure. According to these regulations, housing

Phase I Environmental Site Assessment

APN 116-23-2070 (Former Flint Oil Site) ■ Tucson, AZ

March 19, 2020 ■ Terracon Project No. 63207024



projects in areas where the noise level in decibels (dB) below 65 Day-Night Average Noise Level (DNL) are acceptable (acceptable noise zone). Housing in areas where the noise level is above 65 dB DNL, but not exceeding 75 dB DNL is acceptable if the interior noise levels are reduced using noise attenuation methods (normally unacceptable noise zone). Housing in areas with noise levels exceeding a 75 dB DNL is unacceptable. Major sources of noise include military and Federal Aviation Administration (FAA)-regulated airfields within 15 miles, major roadways within 1,000 feet, and railroads within 3,000 feet of the site.

The Tucson International Airport is located approximately 5.76 miles south-southeast of the site. Based on the Tucson International Airport Public Airport Disclosure Map (Appendix G), the Former Flint Oil Site is located outside of the 65 dB DNL noise contour range.

Davis-Monthan Air Force Base is located approximately 4.52 miles southeast of the Former Flint Oil Site. The site is located outside of the 65 dB DNL noise contour range based on the Noise Contour Map (Appendix G).

Ryan Airfield is located approximately 11.73 miles southwest of the site. Based on the Ryan Airfield Aircraft Noise Exposure Map (Appendix G), the site is located outside of the 65 dB DNL range.

The Former Flint Oil Site is located within 1,000 feet of one major roadway, Interstate 10. Terracon completed DNL calculations using the HUD DNL Calculator to determine if the site meets HUD Noise regulations. According to the DNL calculations, the site DNL is 71.7dB, within the “Normally Unacceptable” range (65dB-75dB), indicating mitigation is required. The DNL calculations are included included in Appendix G.

8.0 OPINIONS, CONCLUSIONS, AND RECOMMENDATIONS

8.1 Opinions and Conclusions

The following table summarizes pertinent information, as requested by the client, regarding the site:

APN	Owner Name Site Address	Property Description	RECs Identified (Yes/No)
116-23-2070	City of Tucson 116-23-2070 (Former Flint Oil Site) <i>Historically Known as 500 W. Simpson Street</i>	The site covers approximately 1.29 acres and is developed with an approximate 575-square foot office building located on the northeast portion of the site.	Yes

We have performed a Phase I ESA compliance with the procedures included in ASTM Practice E 1527-13 at APN 116-23-2070 (Former Flint Oil Site), Tucson, Arizona, the site. Controlled RECs

(CRECs) were not identified in connection with the site. The following RECs were identified at the site:

■ **REC 1: Historical Bulk Oil/Fuel Distributing Operations**

The operations of the multiple oil/fuel distributing facilities at the site from approximately the mid-1920s until the mid-2000s constitute a REC for the site.

■ **REC 2: Contaminated Site Soil**

According to the 2017 Brownfields Site Assessment Summary (BSAS) report prepared by SCS Engineering (SCS), contaminated site soil from the previous bulk oil/fuel distributing facilities remains at the site. Contaminants of concern included hydrocarbons, PAHs, and eight RCRA metals.

■ **REC 3: Potential Vapor Encroachment Condition (VEC)**

Based on previous bulk oil/fuel distributing operations at the site and north adjoining property and the results of environmental investigation performed by SCS, hydrocarbons and PAHs above SRLs are present at the site and are suspected to be present at the north adjoining property.

■ **REC 4: Potential or Historic Septic System**

Historical documents relating to sewer connection permits for the site could not be obtained and Pima County MapGuide sanitary sewer maps indicate that sanitary sewer structures were installed in the site vicinity in the early 1950s. As initial construction dates and oil-related operations at the site predate sanitary sewer construction dates, then there is the potential that former and/or the existing facility was connected to a septic system. As Terracon cannot obtain information whether a potential septic system was at the site and/or if it was connected to floor drains or similar features in the vicinity of oil storage, we consider the potential septic system to be a REC at the site.

Based on identification of RECs at the site, further investigation, as noted in the Recommendations, will be required to ensure that the site meets requirements at 58.5(i) or 50.3 (i) for the proposed HUD-assisted use. Pending the results of a Phase II ESA, corrective action may be required as well.

8.2 Significant Data Gaps

No significant Data Gaps were identified.

8.3 Recommendations

Based on the scope of services, limitations, and conclusions of this assessment, Terracon recommends the following additional actions:

■ **REC 1, 2, and 4: Historical Bulk Oil/Fuel, Contaminated Site Soil, and Potential or Historic Septic System**

It is our understanding that the City will likely elect to have the site entered into the Arizona Department of Environmental Quality's (ADEQ's) Voluntary Remediation Program. As such the site will need to be assessed into approximate 0.25-acre Decision Units and clean-up thresholds will be State of Arizona residential Soil Remediation Levels (rSRLs). This will require a subsurface soil investigation to update the findings in previous reports prior to planning remedial activities.

Please note that the subsurface soil investigation should also be designed to address potential impacts from septic system(s) that may have been located at the site. If a septic system were encountered during redevelopment, it should be removed in accordance with Arizona Administrative Code (AAC) R18-9-A309D prior to new development.

■ **REC 3: Potential Vapor Encroachment Conditions (VECs)**

A soil gas investigation should be conducted to evaluate whether VECs exist at the site.

9.0 DECLARATION

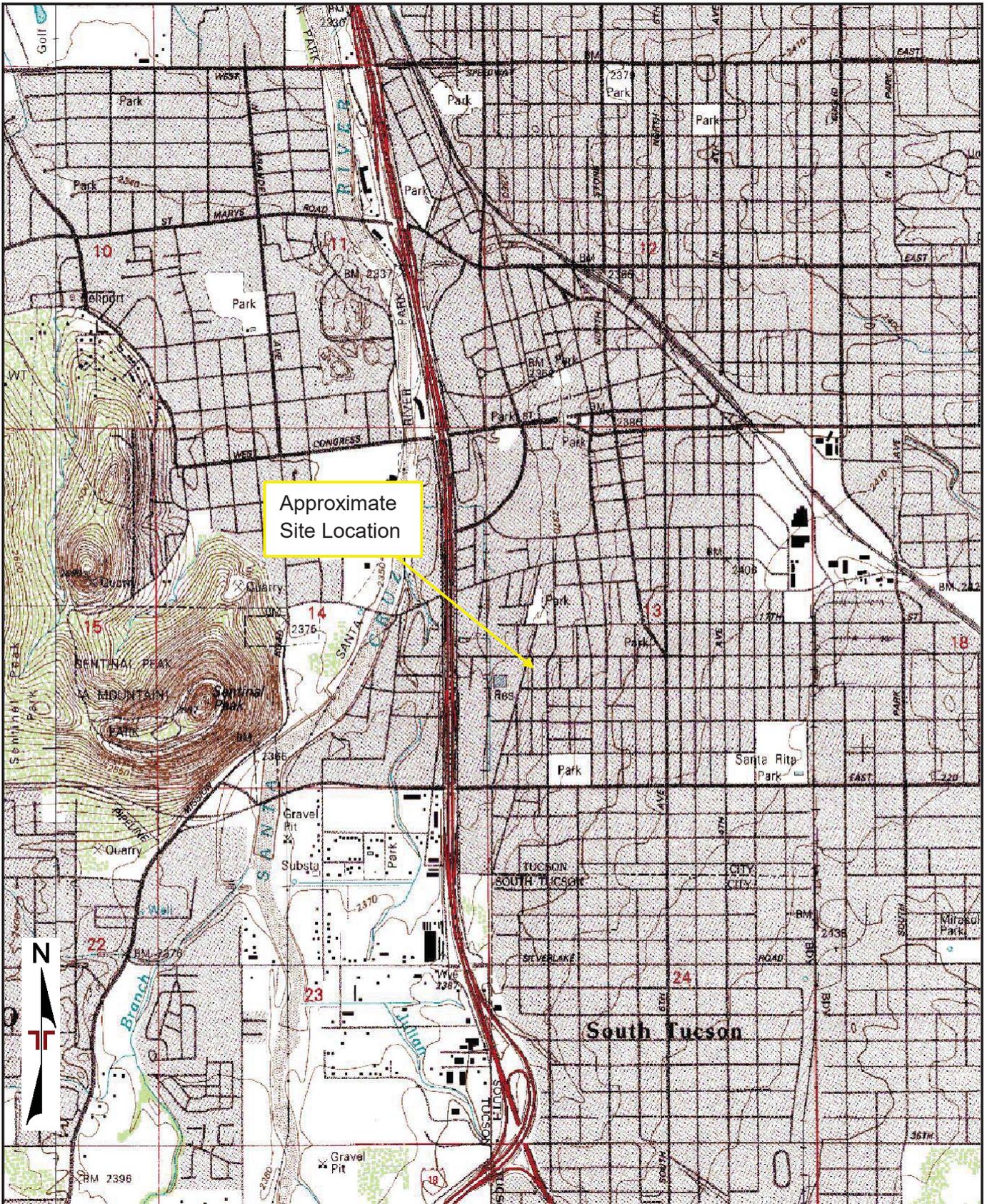
I, Derek D. Koller, declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 CFR 312; and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the site. I have developed and performed the All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Derek D. Koller, CIH, CHMM
Office Manager / Senior Associate

APPENDIX A
EXHIBITS

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TOPOGRAPHIC MAP IMAGE COURTESY OF THE U.S. GEOLOGICAL SURVEY
 QUADRANGLES INCLUDE: CAT MOUNTAIN, AZ (1/1/1996) and TUCSON, AZ (1/1/1996).

Project Manager:	SMJ
Project No.:	63207024
Drawn by:	SMJ
Scale:	1"=2,000'
Checked by:	DDK
File Name:	APDX A
Approved by:	DDK
Date:	February 2020

Terracon
 355 S Euclid Ave, Ste 107
 Tucson, AZ 85719-6654

TOPOGRAPHIC MAP

Former Flint Oil Site
 APN 116-23-2070 (Former Flint Oil Site)
 Tucson, AZ

Exhibit	1
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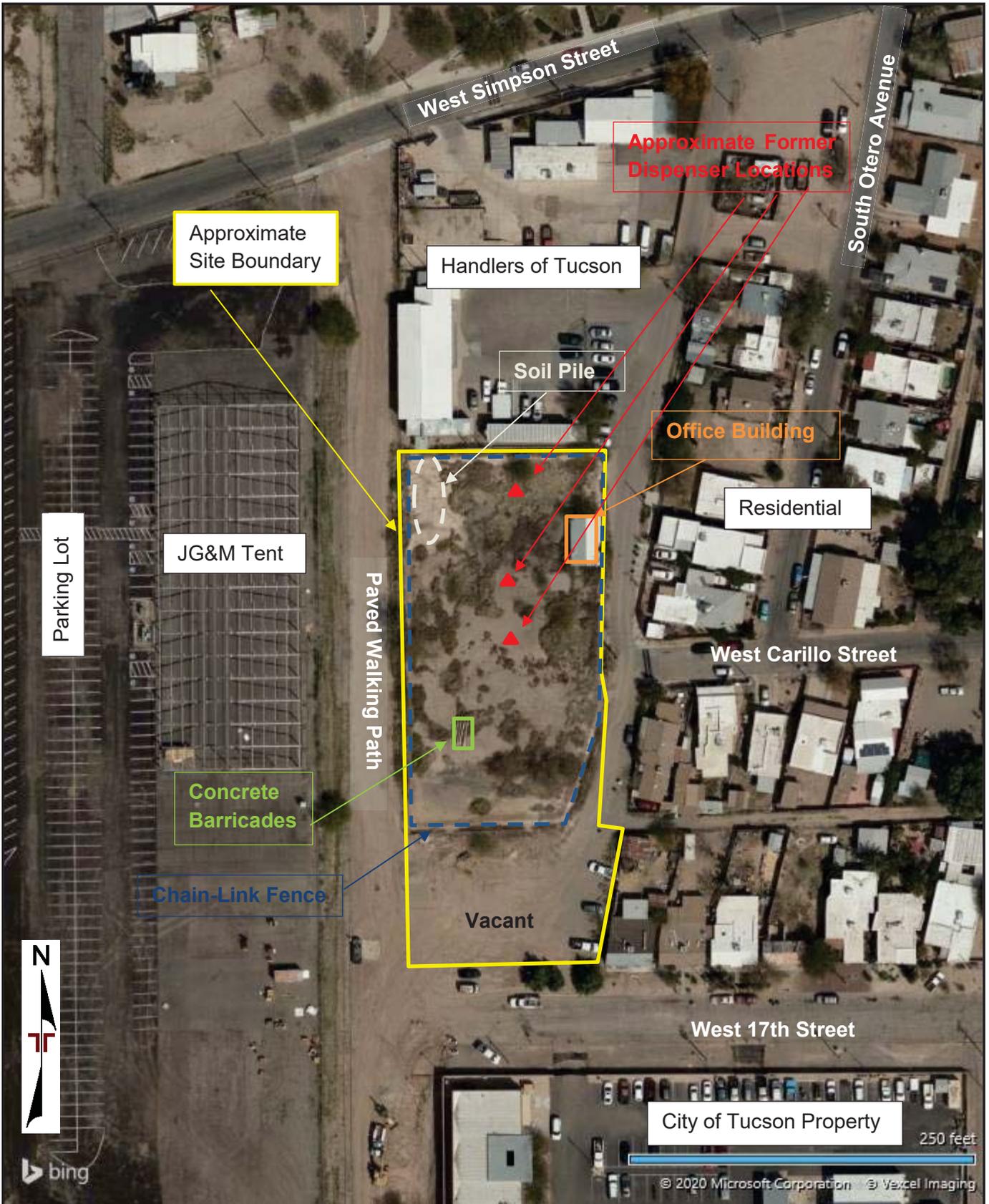


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

AERIAL PHOTOGRAPHY PROVIDED BY MICROSOFT BING MAPS

Project Manager:	SMJ
Drawn by:	SMJ
Checked by:	DDK
Approved by:	DDK
Project No.	63207024
Scale:	AS SHOWN
File Name:	APDX A
Date:	February 2020

Terracon
 355 S Euclid Ave, Ste 107
 Tucson, AZ 85719-6654

SITE DIAGRAM

Former Flint Oil Site
 APN 116-23-2070 (Former Flint Oil Site)
 Tucson, AZ

Exhibit
2

APPENDIX B
SITE PHOTOGRAPHS

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Phase I Environmental Site Assessment

Former Flint Oil Site ■ Tucson, Arizona

Photos taken on March 6, 2020 ■ Terracon Project No. 63207024



Photo #1 Looking west at site from the northeast corner.



Photo #2 Looking southeast at the site from the northwest corner.



Photo #3 Looking north-northeast from the southwest corner of the site.



Photo #4 Looking west-northwest from the southeast corner of the site.



Photo #5 The site building.



Photo #6 The interior of the site building.

Phase I Environmental Site Assessment

Former Flint Oil Site ■ Tucson, Arizona

Photos taken on March 6, 2020 ■ Terracon Project No. 63207024



Photo #7 Pipe potentially containing asbestos near exterior southwest corner of site building.



Photo #8 Temporary equipment, roll-off dumpster, and portable toilet on site used by Southwest Hazard.



Photo #9 Handler's of Tucson, north adjoining property.



Photo #10 Roadway followed by single-family residences on the east adjoining properties.

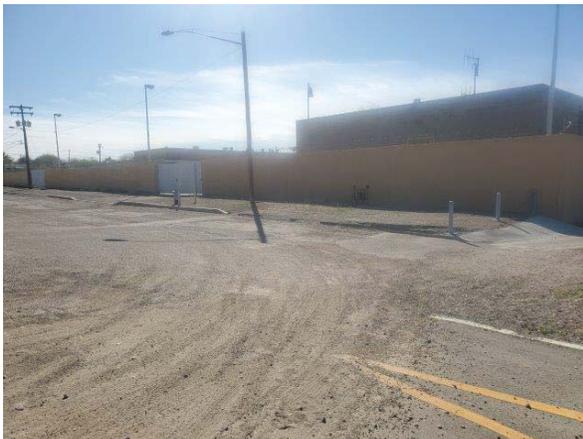


Photo #11 West 17th Street followed by City of Tucson property on the south-southeast adjoining property.



Photo #12 The paved recreational walking path followed by a JG&M tent.

APPENDIX C
HISTORICAL DOCUMENTATION AND USER QUESTIONNAIRE

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Former Flint Oil Property

505 W Simpson Street

Tucson, AZ 85701

Inquiry Number: 5989208.5

February 27, 2020

The EDR Aerial Photo Decade Package



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

EDR Aerial Photo Decade Package

02/27/20

Site Name:

Former Flint Oil Property
505 W Simpson Street
Tucson, AZ 85701
EDR Inquiry # 5989208.5

Client Name:

Terracon
355 S. Euclid
Tucson, AZ 85719
Contact: Sierra Jaquay



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
2013	1"=500'	Flight Year: 2013	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2007	1"=500'	Flight Year: 2007	USDA/NAIP
2003	1"=500'	Flight Date: September 12, 2003	USGS
1992	1"=500'	Acquisition Date: May 16, 1992	USGS/DOQQ
1990	1"=500'	Flight Date: October 28, 1990	USGS
1984	1"=500'	Flight Date: June 07, 1984	USDA
1976	1"=500'	Flight Date: April 23, 1976	USDA
1972	1"=500'	Flight Date: January 06, 1972	USGS
1954	1"=500'	Flight Date: February 17, 1954	USDA
1949	1"=500'	Flight Date: February 23, 1949	USDA
1936	1"=500'	Flight Date: February 22, 1936	SCS

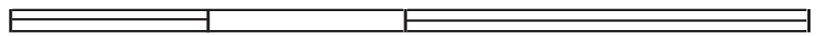
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SMJ	63207001
Drawn By:	Scale:
EDR	As Shown
Checked By:	File Name:
DDK	APDX C
Approved By:	Date:
DDK	2017


 355 S. Euclid
 Tucson, AZ 85719

2017 AERIAL PHOTOGRAPH
 Former Flint Oil Property
 APN 116-23-2070 (Former Flint Oil Site)
 Tucson, AZ 85701

Appendix
C



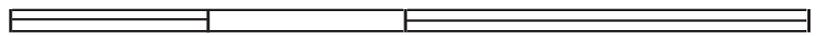
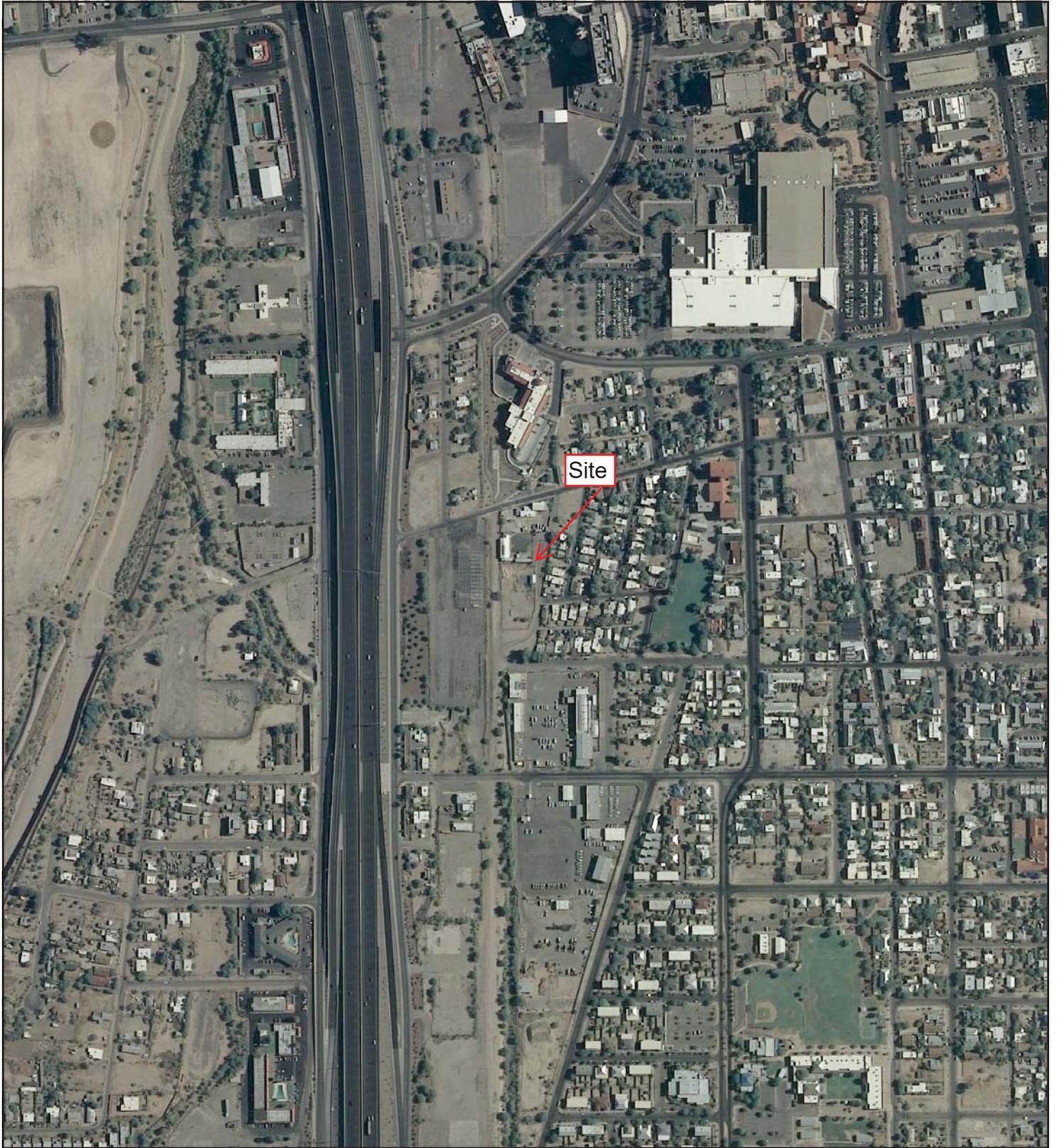
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DDK	APDX C
Approved By:	Date:
DDK	


 355 S. Euclid
 Tucson, AZ 85719

Former Flint Oil Property
 APN 116-23-2070 (Former Flint Oil Site)
 Tucson, AZ 85701

Appendix
C



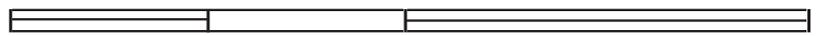
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Approved By:	Date:
DDK	2010


 355 S. Euclid
 Tucson, AZ 85719

2010 AERIAL PHOTOGRAPH
 Former Flint Oil Property
 APN 116-23-2070 (Former Flint Oil Site)
 Tucson, AZ 85701

Appendix
C



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Approved By:	Date:
DDK	2007

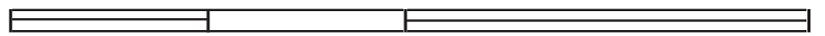

 355 S. Euclid
 Tucson, AZ 85719

2007 AERIAL PHOTOGRAPH
 Former Flint Oil Property
 APN 116-23-2070 (Former Flint Oil Site)
 Tucson, AZ 85701

Appendix
C



Site



0 Feet

500

1000

2000

Project Manager	SMJ
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Approved By:	DDK
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Scale:	As Shown
File Name:	APDX C
Date:	2003

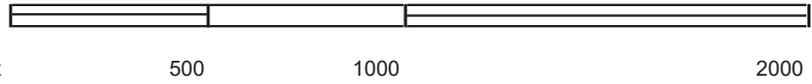

 355 S. Euclid
 Tucson, AZ 85719

2003 AERIAL PHOTOGRAPH
 Former Flint Oil Property
 APN 116-23-2070 (Former Flint Oil Site)
 Tucson, AZ 85701

Appendix
C



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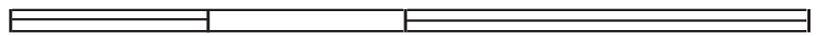


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Checked By: DDK	File Name: APDX C
Approved By: DDK	Date: 1992


 355 S. Euclid
 Tucson, AZ 85719

1992 AERIAL PHOTOGRAPH
 Former Flint Oil Property
 APN 116-23-2070 (Former Flint Oil Site)
 Tucson, AZ 85701

Appendix
C



0 Feet

500

1000

2000

Project Manager	Project No:
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EDR	As Shown
Checked By:	File Name:
DDK	APDX C
Approved By:	Date:
DDK	1990


 355 S. Euclid
 Tucson, AZ 85719

1990 AERIAL PHOTOGRAPH
 Former Flint Oil Property
 APN 116-23-2070 (Former Flint Oil Site)
 Tucson, AZ 85701

Appendix
C



Site



0 Feet

500

1000

2000

Project Manager	Project No:
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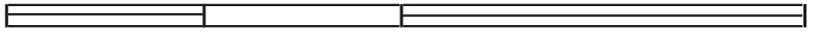
355 S. Euclid
 Tucson, AZ 85719

1984 AERIAL PHOTOGRAPH
 Former Flint Oil Property
 APN 116-23-2070 (Former Flint Oil Site)
 Tucson, AZ 85701

Appendix
C



Site



0 Feet

500

1000

2000

Project Manager	SMJ
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Approved By:	DDK
Project No:	63207001
Scale:	As Shown
File Name:	APDX C
Date:	1976

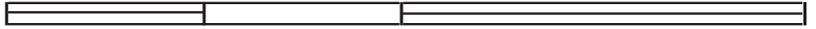

 355 S. Euclid
 Tucson, AZ 85719

1976 AERIAL PHOTOGRAPH
 Former Flint Oil Property
 APN 116-23-2070 (Former Flint Oil Site)
 Tucson, AZ 85701

Appendix
C



Site



0 Feet

500

1000

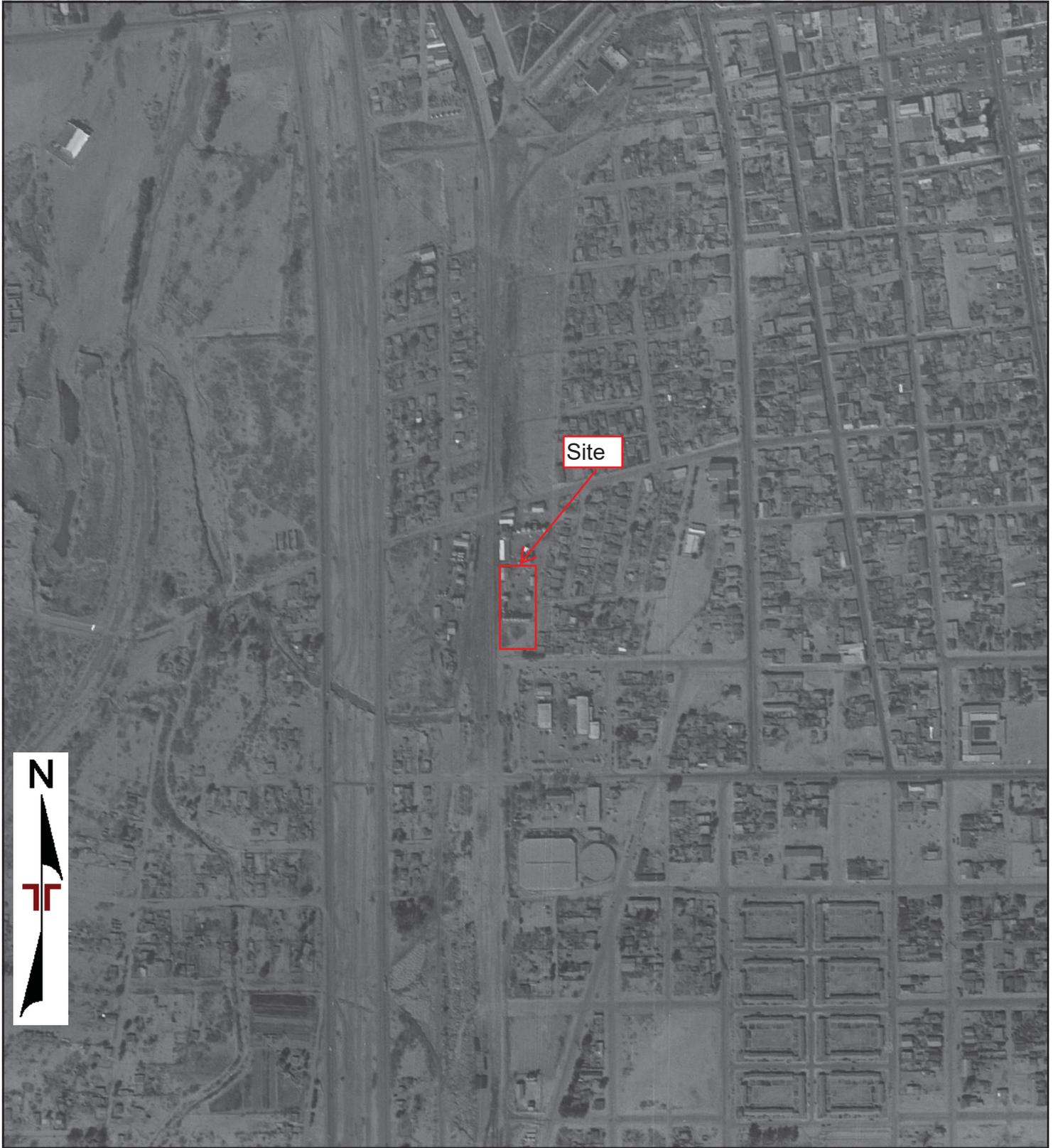
2000

Project Manager	Project No:
SMJ	63207001
Drawn By:	Scale:
EDR	As Shown
Checked By:	File Name:
DDK	APDX C
Approved By:	Date:
DDK	1972


 355 S. Euclid
 Tucson, AZ 85719

1972 AERIAL PHOTOGRAPH
 Former Flint Oil Property
 APN 116-23-2070 (Former Flint Oil Site)
 Tucson, AZ 85701

Appendix
C



Site



0 Feet

500

1000

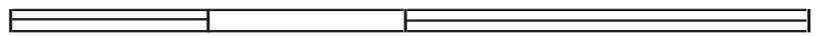
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Project Manager	Project No:
SMJ	63207001
Drawn By:	Scale:
EDR	As Shown
Checked By:	File Name:
DDK	APDX C
Approved By:	Date:
DDK	1954


 355 S. Euclid
 Tucson, AZ 85719

1954 AERIAL PHOTOGRAPH
 Former Flint Oil Property
 APN 116-23-2070 (Former Flint Oil Site)
 Tucson, AZ 85701

Appendix
C



0 Feet

500

1000

2000

Project Manager	Project No:
SMJ	63207001
Drawn By:	Scale:
EDR	As Shown
Checked By:	File Name:
DDK	APDX C
Approved By:	Date:
DDK	1949


 355 S. Euclid
 Tucson, AZ 85719

1949 AERIAL PHOTOGRAPH
 Former Flint Oil Property
 APN 116-23-2070 (Former Flint Oil Site)
 Tucson, AZ 85701

Appendix
C



Site



0 Feet 500 1000 2000

Project Manager SMJ	Project No: 63207001
Drawn By: EDR	Scale: As Shown
Checked By: DDK	File Name: APDX C
Approved By: DDK	Date: 1936


 355 S. Euclid
 Tucson, AZ 85719

1936 AERIAL PHOTOGRAPH
 Former Flint Oil Property
 APN 116-23-2070 (Former Flint Oil Site)
 Tucson, AZ 85701

Appendix
C

Former Flint Oil Property
APN 116-23-2070 (Former
Flint Oil Site)

Tucson, AZ 85701
Inquiry Number: 5989208.3

February 28, 2020

Certified Sanborn® Map Report



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Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

02/28/20

Site Name:

Former Flint Oil Property
505 W Simpson Street
Tucson, AZ 85701
EDR Inquiry # 5989208.3

Client Name:

Terracon
355 S. Euclid
Tucson, AZ 85719
Contact: Sierra Jaquay



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Certified Sanborn Results:

Certification # 589A-4347-A381

PO # NA

Project 63207001

Maps Provided:

1968

1949

1947

1919



Sanborn® Library search results

Certification #: 589A-4347-A381

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

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Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



1968 Source Sheets



Volume 1, Sheet 61

1949 Source Sheets



Volume 1, Sheet 61

1947 Source Sheets

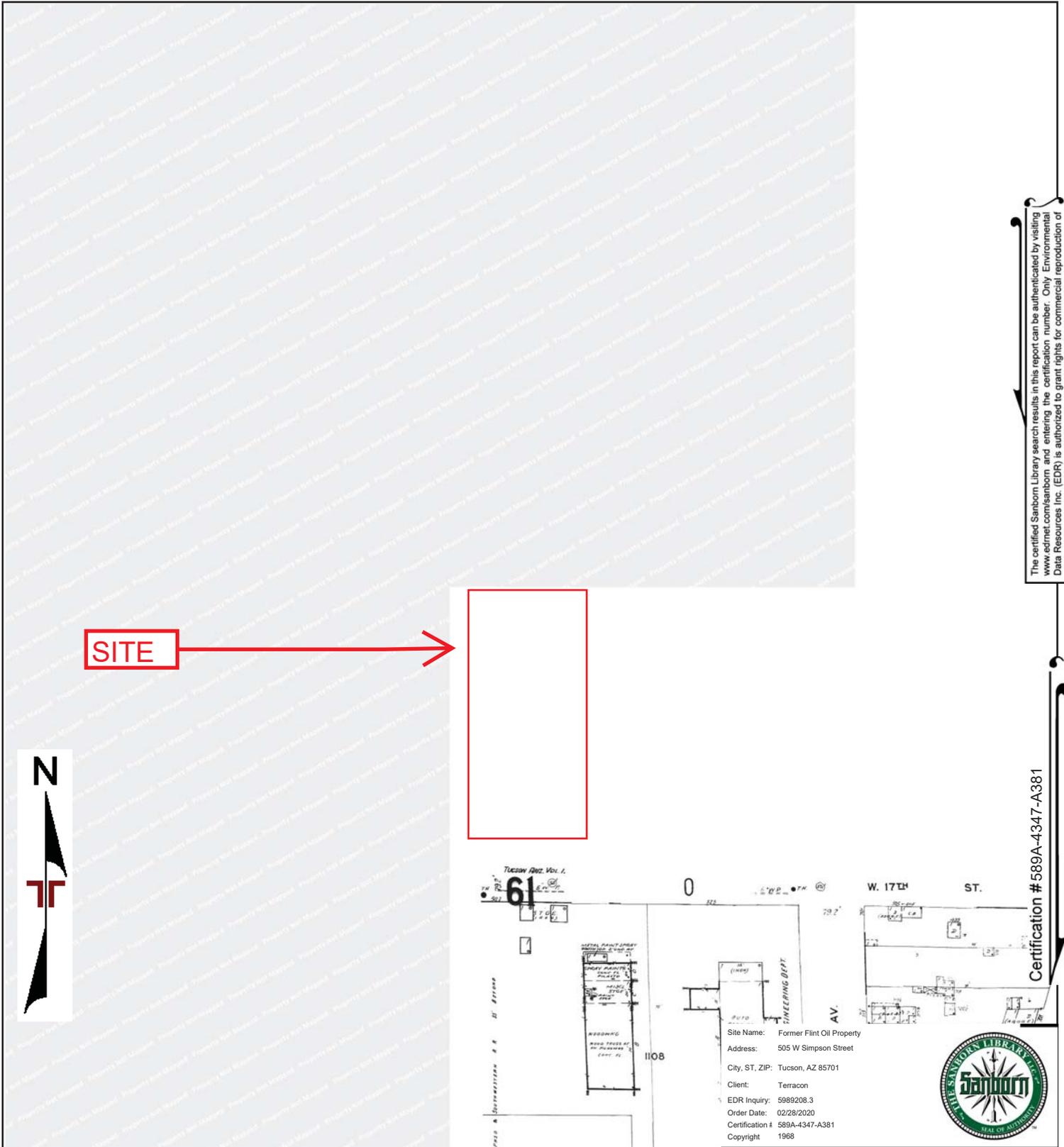


Volume 1, Sheet 61

1919 Source Sheets



Volume 1, Sheet 61



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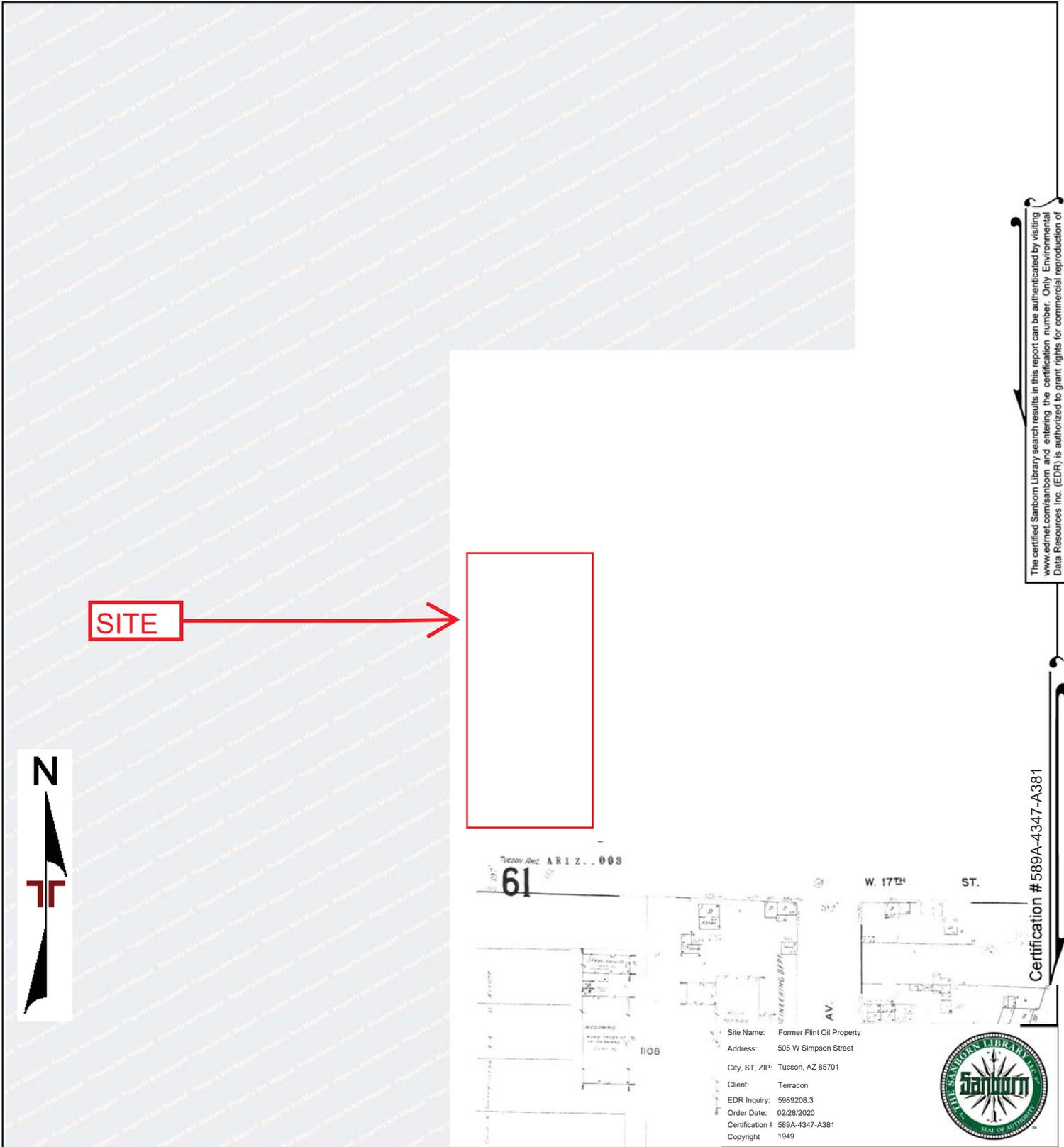


Site Name: Former Flint Oil Property
 Address: 505 W Simpson Street
 City, ST, ZIP: Tucson, AZ 85701
 Client: Terracon
 EDR Inquiry: 5989208.3
 Order Date: 02/28/2020
 Certification #: 589A-4347-A381
 Copyright: 1968

Volume 1, Sheet 61

0 Feet 150 300 600

Project Manager SMJ	Project No: 63207024	 355 S. Euclid Tucson, AZ 85719	1968 SANBORN MAP	Appendix
Drawn By: EDR	Scale: As Shown		Former Flint Oil Property	C
Checked By: DDK	File Name: APDX C		APN 116-23-2070 (Former Flint Oil Site)	
Approved By: DDK	Date: 1968		Tucson, AZ 85701	



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Certification # 589A-4347-A381



Tucson, Ariz. ARIZ... 003

61

W. 17TH ST.

1108

AV.

ENGINEERING DEPT.

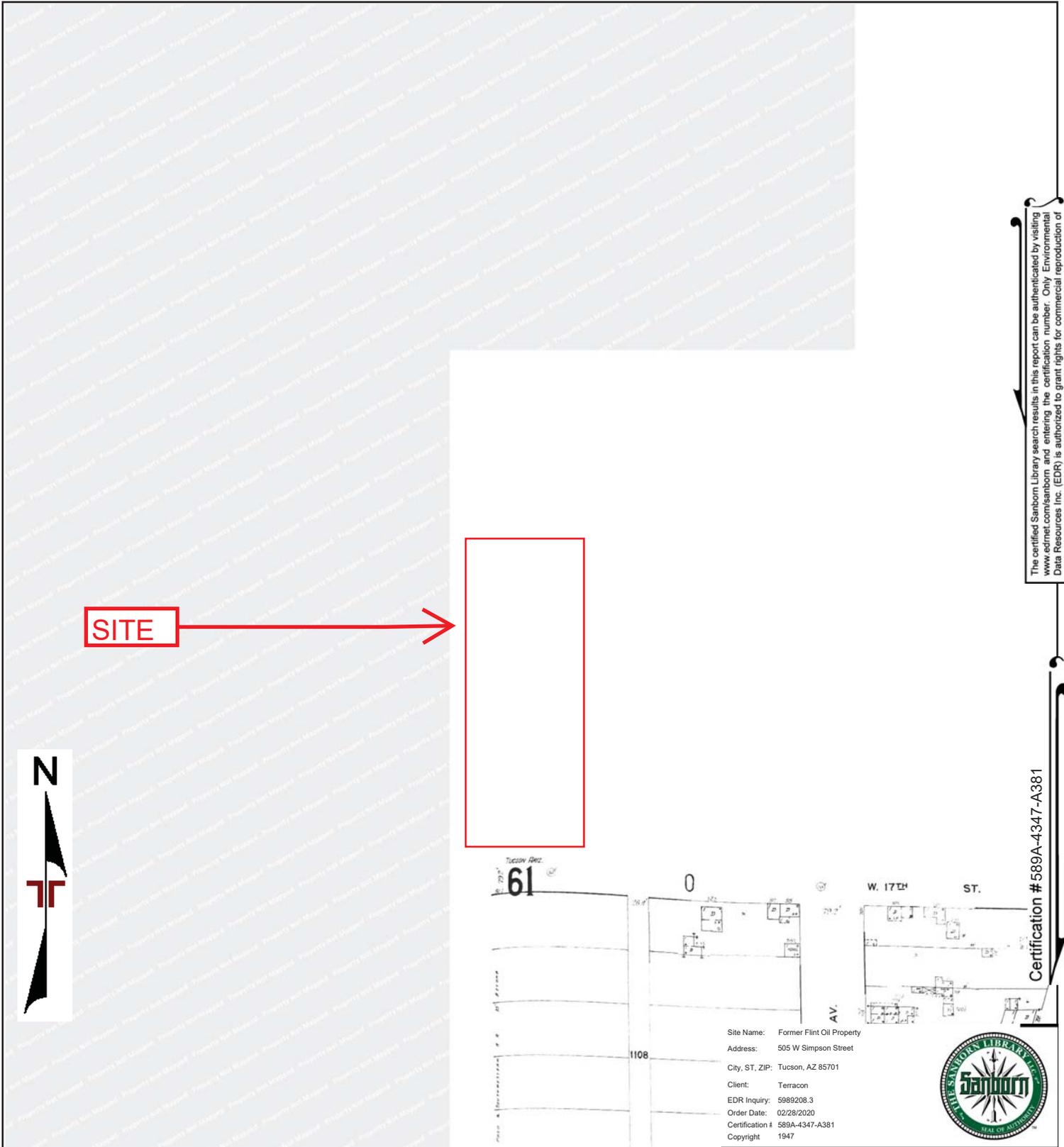
Site Name: Former Flint Oil Property
 Address: 505 W Simpson Street
 City, ST, ZIP: Tucson, AZ 85701
 Client: Terracon
 EDR Inquiry: 5989208.3
 Order Date: 02/28/2020
 Certification #: 589A-4347-A381
 Copyright: 1949

Volume 1, Sheet 61

61

0 Feet 150 300 600

Project Manager SMJ	Project No: 63207024	 355 S. Euclid Tucson, AZ 85719	1949 SANBORN MAP	Appendix
Drawn By: EDR	Scale: As Shown		Former Flint Oil Property	
Checked By: DDK	File Name: APDX C		APN 116-23-2070 (Former Flint Oil Site)	C
Approved By: DDK	Date: 1949		Tucson, AZ 85701	



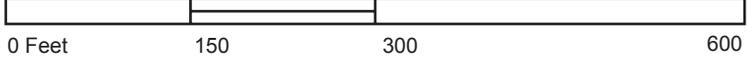
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Certification # 589A-4347-A381

Tucson Area
61
 0
 W. 17th ST.
 AV.

Site Name: Former Flint Oil Property
 Address: 505 W Simpson Street
 City, ST, ZIP: Tucson, AZ 85701
 Client: Terracon
 EDR Inquiry: 5989208.3
 Order Date: 02/28/2020
 Certification #: 589A-4347-A381
 Copyright: 1947

Volume 1, Sheet 61

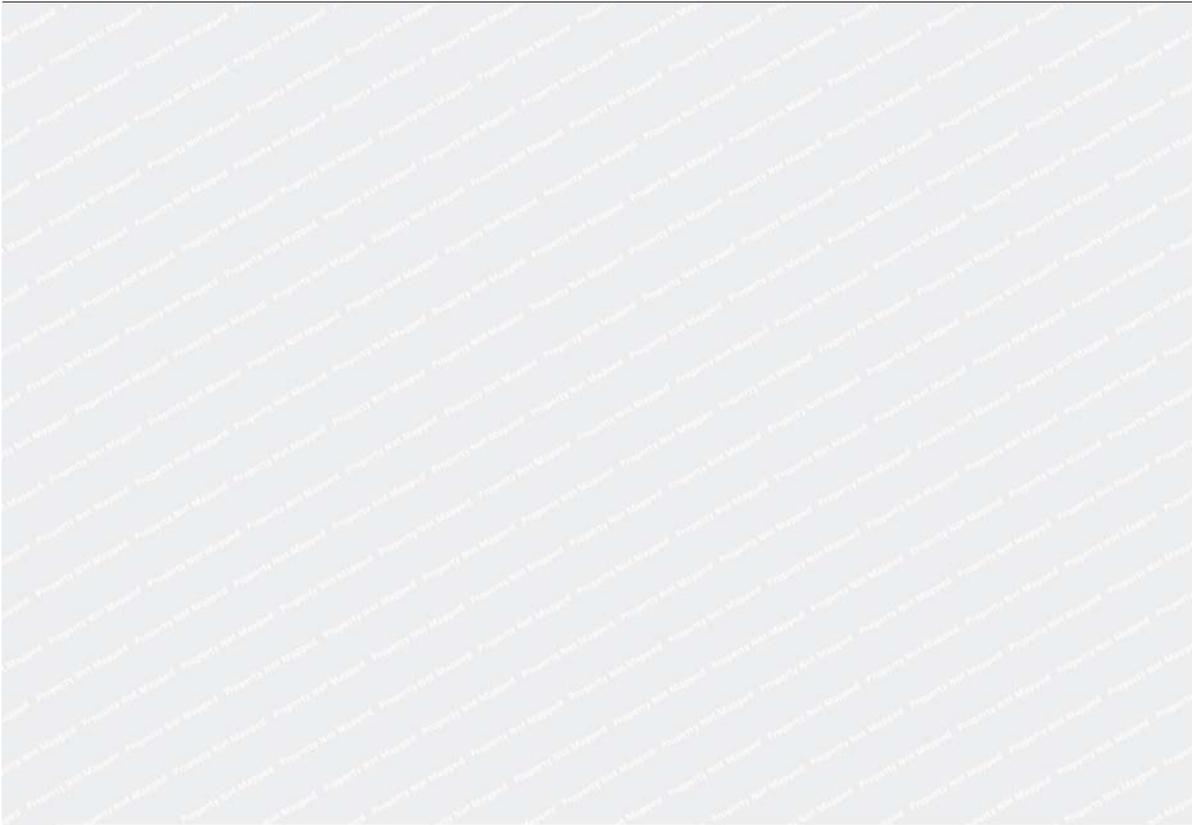


Project Manager SMJ	Project No: 63207024
Drawn By: EDR	Scale: As Shown
Checked By: DDK	File Name: APDX C
Approved By: DDK	Date: 1947

355 S. Euclid
 Tucson, AZ 85719

1947 SANBORN MAP
 Former Flint Oil Property
 APN 116-23-2070 (Former Flint Oil Site)
 Tucson, AZ 85701

Appendix
C



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SITE



Tucson, Ariz.

61

0

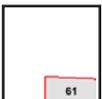
W. 17TH ST.

AV.

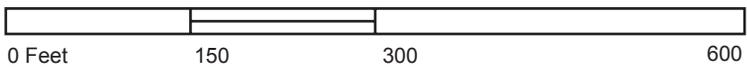
1108

Site Name: Former Flint Oil Property
 Address: 505 W Simpson Street
 City, ST, ZIP: Tucson, AZ 85701
 Client: Terracon
 EDR Inquiry: 5989208.3
 Order Date: 02/28/2020
 Certification #: 589A-4347-A381
 Copyright: 1919

Certification # 589A-4347-A381



Volume 1, Sheet 61



Project Manager	SMJ
Drawn By:	EDR
Checked By:	DDK
Approved By:	DDK

Project No:	63207024
Scale:	As Shown
File Name:	APDX C
Date:	1919

355 S. Euclid
Tucson, AZ 85719

1919 SANBORN MAP
Former Flint Oil Property
APN 116-23-2070 (Former Flint Oil Site)
Tucson, AZ 85701

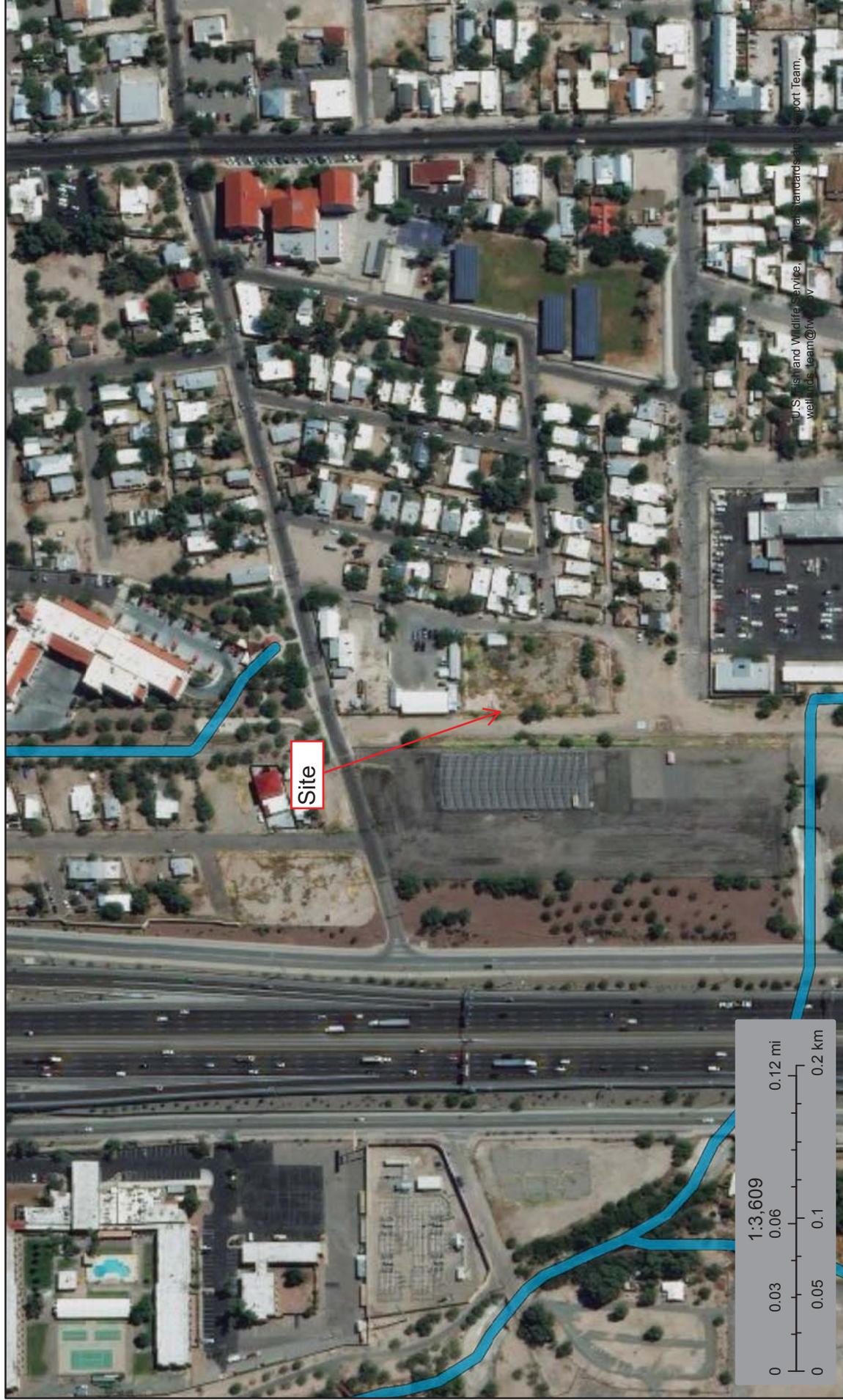
Appendix
C



U.S. Fish and Wildlife Service

National Wetlands Inventory

Former Flint Oil Site Wetlands Map



March 11, 2020

Wetlands

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

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Client/User Required Questionnaire

Person Completing Questionnaire	Name: Frank Ulloa Company: City of Tucson	Phone: (520) 837-6599 Email: frank.ulloa@tucsonaz.gov
Site Name	505 W. Simpson	
Site Address	505 W. Simpson, Tucson, AZ 85701	
Point of Contact for Access	Name: Giva Patel Company: COT	Phone: (520) 837-3742 Email:
Access Restrictions or Special Site Requirements?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (If yes, please explain)	
Confidentiality Requirements?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (If yes, please explain)	
Current Site Owner	Name: Unknown Company: COT	Phone: Email:
Current Site Operator	Name: Unknown Company: COT	Phone: Email:
Reasons for ESA (e.g., financing, acquisition, lease, etc.)	Unknown	
Anticipated Future Site Use	Unknown	
Relevant Documents?	Please provide Terracon copies of prior Phase I or II ESAs, Asbestos Surveys, Environmental Permits or Audit documents, Underground Storage Tank documents, Geotechnical Investigations, Site Surveys, Diagrams or Maps, or other relevant reports or documents.	
ASTM User Questionnaire		
<p>In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the user must respond to the following questions. Failure to provide this information to the environmental professional may result in significant data gaps, which may limit our ability to identify recognized environmental conditions resulting in a determination that "all appropriate inquiry" is not complete. This form represents a type of interview and as such, the user has an obligation to answer all questions in good faith, to the extent of their actual knowledge.</p>		
Unknown	<p>1) Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state, or local law (40 CFR 312.25)? <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Title search not completed (If yes, explain below and send Terracon a copy of the Chain of Title report.)</p>	
Unknown	<p>2) Did a search of recorded land title records (or judicial records where appropriate) identify any activity and use limitations (AULs), such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state, or local law (40 CFR 312.26)? <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Title search not completed (If yes, explain below and send Terracon a copy of the Chain of Title report.)</p>	
	<p>3) Do you have any specialized knowledge or experience related to the site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business (40 CFR 312-28)? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (If yes, explain below)</p>	
	<p>4) Do you have actual knowledge of a lower purchase price because contamination is known or believed to be present at the site (40 CFR 312.29)? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Not applicable (If yes, explain below)</p>	
	<p>5) Are you aware of commonly known or reasonably ascertainable information about the site that would help the environmental professional to identify conditions indicative of releases or threatened releases (40 CFR 312.30)? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (If yes, explain below)</p>	
	<p>6) Based on your knowledge and experience related to the site, are there any obvious indicators that point to the presence or likely presence of contamination at the site (40 CFR 312.31)? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (If yes, explain below)</p>	
Comments or explanations:		

Please return this form with the signed authorization to proceed.
 Please complete one (1) form per site

Project No. P63207011

Phase I Environmental Site Assessment Interview Questionnaire

Project No.:	63207024
Project Name:	Former Flint Oil Site
Site Info:	APN 116-23-2070
Interviewer:	John Cahill
Interviewee/Contact Info:	(520) 837-6768 john.cahill@tucsonaz.gov
Date/Time:	3/19/2020

Directions:

For questions that do not pertain to this site you may leave blank or put N/A for an answer. When completed, please sign page 7 of the questionnaire.

1. What is your relationship to the Site and how long have you been associated with the Site?
Assisted with platting the South Yard Drill Track subdivision in 2014 from property the City acquired from the Southern Pacific Railroad in 1999.
2. What is the current use of the Site?
Vacant
3. Do you have any knowledge of former uses of the Site?
Yes, former assessments activities (report provided to Terracon).
4. How many buildings or structures are located on the Site? What are the sizes (one-story, etc)? When were the structures constructed?
One-story historic office.
5. Are Site facilities equipped with heating and cooling systems? If so, please describe?
According to Phase I ESA report (October 2006), Tuscon Electric Power Company (TEP) previously provided heating & cooling service. (reports provided to Terracon)
6. Are you aware of any past manufacturing, industrial, or commercial uses at the Site?
Yes, former assessments activities (report provided to Terracon)
7. What is the water source for the Site?
According to Phase I ESA report (October 2006), Tuscon Water previously provided portable water service. (reports provided to Terracon)
8. What is the sewage disposal system for the Site?
According to Phase I ESA report (October 2006), Pima County Wastewater Management previously provided sewage service. (reports provided to Terracon)

Phase I Environmental Site Assessment Interview Questionnaire

9. Who is the electrical provider for the Site?
According to Phase I ESA report (October 2006), Tuscon Electric Power Company (TEP) previously provided electrical services. (reports provided to Terracon)
10. Does the site have a natural gas utility provider? Who?
According to Phase I ESA report (October 2006), the subject property had natural gas service. (reports provided to Terracon)
11. Are you aware of any past manufacturing, industrial, or commercial uses on adjoining properties? If so, please provide information regarding uses and their location in relation to the Site.
Yes, former assessments activities (report provided to Terracon)
12. Are you aware of any pending, threatened or past environmental litigation, proceedings or notices of possible violations of environmental laws or liability or potential environmental concerns in connection with the site?
Not aware of any pending or potential environmental concerns other than those known and previously disclosed by earlier Phase I and II reports.
13. Are there are institutional or engineering controls required of the Site?
The site was graded and bermed to keep all stormwater on-site and fencing was installed to limit human access.
14. Are you aware of any hazardous substances or petroleum products used on the Site?
Yes, former assessments activities (report provided to Terracon)
15. Are you aware of any emergency generators located within Site facilities?
No
16. Are you aware of any elevators located within Site facilities?
No
17. Are you aware of any air compressors (stationary or portable) located on the Site?
No
18. Are you aware of any hydraulic lifts located within Site facilities?
Yes, previously located on site- former assessment activities reports provided to Terracon.
19. Are you aware of any dry cleaning, photo processing, and/or other processes (historical or present) occurring at the Site?
No
20. Are you aware of any ventilation hoods and/or incinerators located at the Site?
No
21. Are you aware of any waste treatment systems and/or water treatment systems located at the Site?
Yes, former wastewater drainage feature (report provided to Terracon)

Phase I Environmental Site Assessment Interview Questionnaire

22. Are you aware of any paint booths, sub-grade mechanic pits, and/or wash-down areas or carwashes located at the Site?
No
23. Are you aware of any vehicle repair/maintenance activities (historical or present) occurring at the Site?
No
24. Are you aware of any pesticide/herbicide production or storage (historical or present) occurring at the Site?
No
25. Are you aware of any printing operations (historical or present) occurring at the Site?
No
26. Are you aware of any electroplating, chrome plating, or galvanizing operations (historical or present) occurring at the Site?
No
27. Are you aware of any salvage operations (historical or present) occurring at the Site?
No
28. Are you aware of any oil, gas, or mineral production (historical or present) operations occurring at the Site?
Yes, former assessments activities (report provided to Terracon)
29. Are you aware of any other processes and/or operations at the site (historical or present) at the site that you feel the Environmental Professional need be aware of?
Yes, former assessments activities (report provided to Terracon)
30. Are you aware of any aboveground storage tanks (ASTs) at the site?
The subject property previously had ASTs on site. (report provided to Terracon)
31. Are you aware of any drums (e.g., 55-gallon drums), barrels, and/or containers ≥ 5 gallon capacity located on the Site?
The subject property previously had 55-gallon drums on site. (report provided to Terracon)
32. Are you aware of any unidentified and/or other chemical containers substance containers on the Site?
No
33. Are you aware of any past chemical, wastewater, hazardous material, or other material surface or impoundment disposal on the Site?
No

Phase I Environmental Site Assessment Interview Questionnaire

34. Are you aware of MSDSs being stored on Site?
No
35. Are you aware of any underground storage tanks (USTs) at the site?
The subject property previously had USTs on site. (report provided to Terracon)
36. Are you aware of any sumps, cisterns, French drains, catch basins, and/or drywells at the Site?
No
37. Are you aware of the presence of a grease trap on the Site?
No
38. Are you aware of the presence of a septic system and/or leach field on the Site?
No
39. Are you aware of the presence of an oil/water separators, clarifiers, sand traps, triple traps, and/or interceptors at the Site?
No
40. Are you aware of the presence of any pipeline markers at the Site?
No
41. Are you aware of the presence of any interior or exterior floor drains at the Site?
No
42. Are you aware of any PCB-containing equipment (e.g., electrical transformers, hydraulic equipment, and/or other equipment) on the Site?
No
43. Are you aware of any stressed vegetation on the Site?
No
44. Are you aware of any stained soil, pavement, and/or other surfaces on the Site?
Stained soil & pavement was previously observed on the subject property. (report provided to Terracon)
45. Are you aware of any leachate and/or waste sweeps at the Site?
No
46. Are you aware of any solid waste (trash, debris, and/or other waste materials) on the Site?
No
47. Are you aware of any dumping or disposal areas on the Site?
No

Phase I Environmental Site Assessment Interview Questionnaire

48. Are you aware of any construction/demolition debris and/or dumped fill on the Site?
No
49. Are you aware of any buried or otherwise disposed materials on the Site?
No
50. Are you aware of any pools of liquids on the Site?
No
51. Are you aware of any surface water discoloration, odor, sheen, and/or free floating product at the Site?
No
52. Are you aware of the presence of any strong, noxious, or pungent odors on the Site?
No
53. Are you aware of any wastewater or stormwater discharge on, onto, or from the Site?
No
54. Are you aware of any exterior pipe discharges and/or effluent discharges on, onto, or from the Site?
No
55. Are you aware of any surface water bodies on the Site?
No
56. Are you aware of any quarries or pits on the Site?
No
57. Are you aware of any wastewater lagoons on the Site?
No
58. Are you aware of any other pits, ponds, or lagoons on the Site?
No
59. Are you aware of any wells (disposal wells, monitoring wells, and/or water wells) on the Site?
No
60. Are you aware of any past grading or filling activities?
No

Phase I Environmental Site Assessment Interview Questionnaire

61. Are you aware of any changes in the roads or parking areas at the Site?

No

62. Do Site facilities maintain any environmental permits or are they required to file any environmental-related reports to governmental agencies?

None known of by Real Estate.

63. Are you aware of any environmental actions that have been taken against the Site? If yes, please provide any additional pertinent information and/or available documentation.

Yes, former assessments activities (report provided to Terracon)

64. Are you aware of any environmental audits that have been performed for the Site (e.g., Phase I ESA)? If yes, please provide any additional pertinent information and/or available documentation.

Yes, former assessments activities (report provided to Terracon)

65. Are you aware of any hydrogeological or geotechnical reports that have been prepared for the site? If yes, please provide any additional pertinent information and/or available documentation.

None known of by Real Estate.

66. Are you aware of any other environmental-related documentation (i.e., Spill Prevention Plans, Hazardous Waste Generator Notices/Reports, Stormwater Pollution Prevention Plans) that have been prepared for the site? If yes, please provide any additional pertinent information and/or available documentation.

Health & Safety Plan (report provided to Terracon)

67. Are you aware of any Regulatory Notices or Citations that have been issued for the site? If yes, please provide any additional pertinent information and/or available documentation.

None known of.

68. Are you aware of any Environmental Notices or Liens and or Activity Use Limitations (AULs) for the Site? If yes, please provide any additional pertinent information and/or available documentation.

None known of.

Phase I Environmental Site Assessment Interview Questionnaire

69. Are you aware of any other individuals who should be contacted with relevant knowledge regarding the site or adjacent properties (e.g., previous owners/tenants, etc.)? If yes, will these individuals be able to provide more and/or different knowledge that what has already been provided?

City G&ESD, formerly City ESD, maintains this type records. G&ESD Environmental Managers will have the most relevant information on the site.

70. Additional comments?

None.

John Cahill

Name of Person Completing the Form
Real Estate Administrator,
Tucson Dept. of Transportation & Mobility

Title

J Cahill

Signature

March 19, 2020

Date

APPENDIX D
ENVIRONMENTAL DATABASE INFORMATION

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Former Flint Oil Property

APN 116-23-2070

(Former Flint Oil Site)

Tucson, AZ 85701

Inquiry Number: 5990962.1s

March 02, 2020

EDR Summary Radius Map Report



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

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Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	8
Orphan Summary	76
Government Records Searched/Data Currency Tracking	GR-1

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with any questions or comments.

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MAPPED SITES SUMMARY

Target Property Address:
 APN 116-23-2070 (Former
 Flint Oil Site)
 TUCSON, AZ 85701

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Reg	7TH STREET & ARIZONA		AZ WQARF, SPL	Same	5042, 0.955, NNE
A1	CHEVRON U S A INC TU	601 W SIMPSON ST	RCRA NonGen / NLR, ECHO	Lower	174, 0.033, WNW
B2	FLINT OIL	527 WEST SIMPSON STR	US BROWNFIELDS	Higher	196, 0.037, North
A3	RALPHS TRANSFER INC	747 S FWY	RCRA NonGen / NLR, ECHO	Higher	382, 0.072, West
A4	RALPH'S TRANSFER INC	747 S FWY	LUST, UST, EMAP	Higher	382, 0.072, West
B5	FLINT OIL CO	500 W SIMPSON ST	UST	Higher	400, 0.076, NNE
C6	TUCSON WATER CITY OF	510 W 18TH ST BLDG 1	RCRA NonGen / NLR	Higher	459, 0.087, SSE
C7	CITY OF TUCSON - WES	510 W 18TH ST	RCRA NonGen / NLR, MANIFEST	Higher	459, 0.087, SSE
C8	CITY OF TUCSON - WES	510 W 18TH ST	RCRA NonGen / NLR, MANIFEST	Higher	459, 0.087, SSE
C9	CITY OF TUCSON - WES	510 W 18TH ST	LUST, UST, EMAP	Higher	459, 0.087, SSE
C10	ASPHALT PRODUCTS TRA	635 W 18TH ST	LUST, UST, EMAP	Higher	566, 0.107, South
11	EL PASO & SW GREENWA	633 AND 635 W. 18TH	US BROWNFIELDS	Higher	1423, 0.270, South
12	TUCSON CONVENTION CE	260 S CHURCH AVENUE	VCP, EMAP	Higher	1478, 0.280, NNE
13	TUCSON ORIGINS HERIT	850 W MISSION LN	EMAP, Enforcement, WWFAC	Lower	1608, 0.305, West
14	FIVE VACANT WEST SID	881 W. 19TH STREET 8	US BROWNFIELDS	Higher	1656, 0.314, SW
15	BOATNER'S TIRE & GRO	292 S FREEWAY	LUST, UST, EMAP	Lower	1657, 0.314, NNW
16	CONGRESS	EAST OF NEARMONT ALO	SWF/LF	Lower	1662, 0.315, WNW
D17	APN 116-23-0150	NO PROPERTY ADDRESS	US BROWNFIELDS	Higher	1751, 0.332, East
D18	ADJACENT LOT TO TUCS	NO PHYSICAL ADDRESS,	US BROWNFIELDS	Higher	1751, 0.332, East
19	TCC LOT C SE CORNER	151 SOUTH GRANADA AV	US BROWNFIELDS	Higher	1963, 0.372, NNE
20	614 S. FREEWAY, 618	614 S. FREEWAY, 618	US BROWNFIELDS	Higher	2047, 0.388, SSW
E21	CIRCLE K #1838	1145 S FREEWAY	LUST, UST, EMAP	Higher	2254, 0.427, South
F22	CITIZEN AUTO STAGE C	351 S BRICKYARD LN	LUST, UST, EMAP	Higher	2277, 0.431, West
F23	CITIZENS AUTO STAGE	351 SOUTH BRICKYARD	US BROWNFIELDS	Higher	2277, 0.431, West
24	702 SOUTH STONE AVEN	702 SOUTH STONE AVEN	US BROWNFIELDS	Higher	2298, 0.435, East
25	CITY OF TUCSON - POL	270 S STONE AVE	LUST, UST, EMAP, Enforcement	Higher	2336, 0.442, NE
E26	EL CAMPO TIRE WAREHO	600 W 22ND ST	LUST, UST, EMAP	Higher	2338, 0.443, South
27	NEARMONT	NEARMONT ST. AND MEL	SWF/LF	Lower	2357, 0.446, WNW
28	7500 E. BROADWAY BLV	50 S. PLACE	AUL	Lower	2364, 0.448, NNW
29	TEXACO - RON'S FREEW	702 W STARR PASS BLV	LUST, UST, AZURITE, AUL, EMAP	Higher	2428, 0.460, SSW
G30	TEXACO SERVICE	480 W CONGRESS ST	LUST, UST, EMAP	Lower	2468, 0.467, North
G31	PIONEER PAINT & VARN	438 W CONGRESS ST	SEMS-ARCHIVE, RCRA-TSDF, RCRA-SQG, MANIFEST	Lower	2475, 0.469, North
G32	PIONEER PAINT & VARN	438 W CONGRESS ST	SHWS, LUST, UST, EMAP	Lower	2475, 0.469, North
H33	MARIST COLLEGE, 64 W	64 W. OCHOA	US BROWNFIELDS	Higher	2482, 0.470, NE
H34	MARIST COLLEGE	64 W. OCHOA	US BROWNFIELDS	Higher	2482, 0.470, NE
35	CIRCLE K #2708838	2 N FREEWAY	LUST, UST, EMAP, Enforcement	Lower	2628, 0.498, NNW
36	RIO NUEVO PROJECT	700 CONGRESS ST.	SHWS	Lower	2727, 0.516, NW
37	WQ-ALUMINUM DROSS	(MAIL) PIMA COUNTY D	SHWS	Higher	2860, 0.542, NNE
38	TUCSON SUB-STATION		FUDS	Higher	3291, 0.623, ENE

MAPPED SITES SUMMARY

Target Property Address:
 APN 116-23-2070 (Former
 Flint Oil Site)
 TUCSON, AZ 85701

Click on Map ID to see full detail.

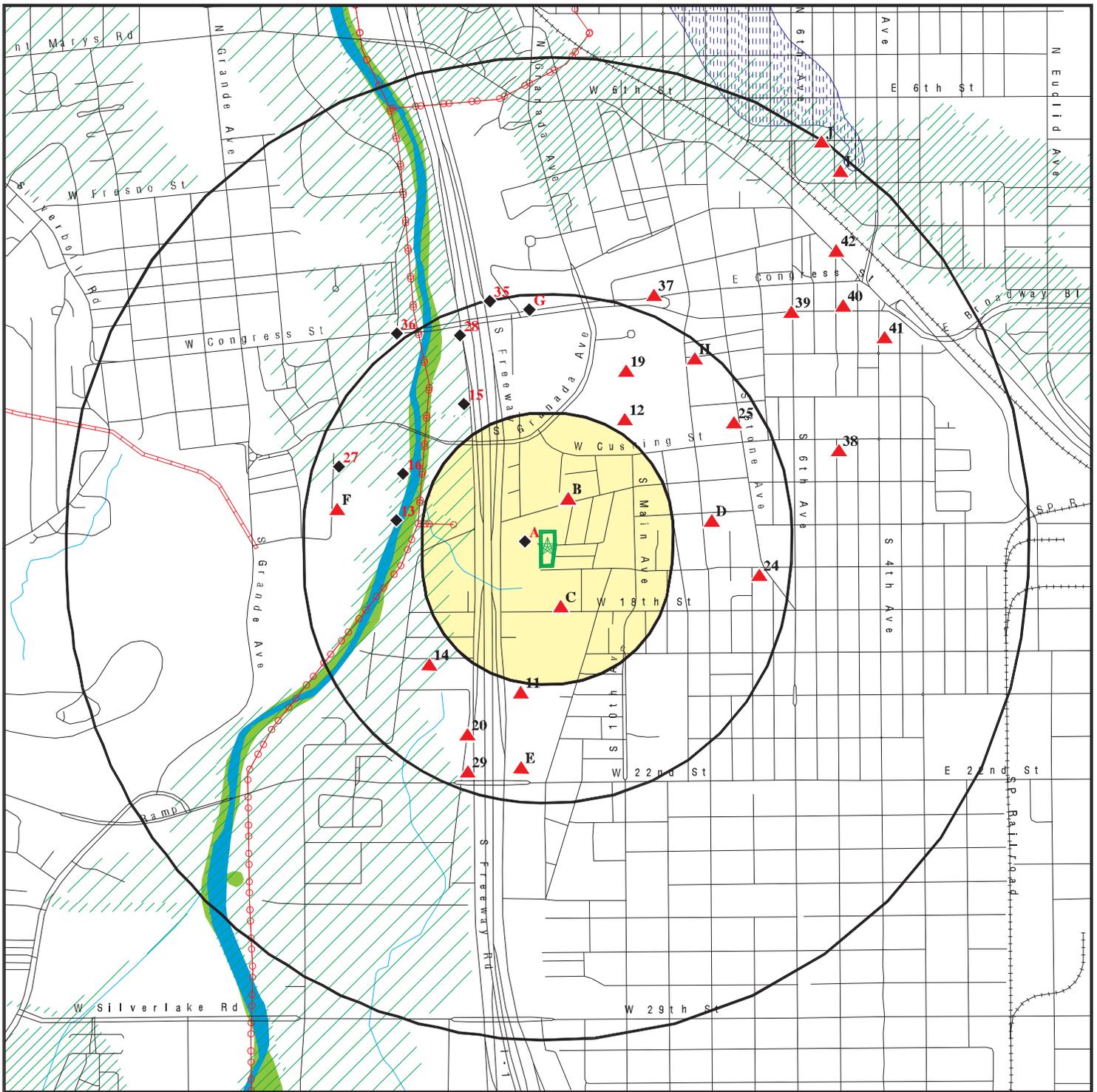
MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
39	WQ-TUCSON FUEL SPILL	BROADWAY ROAD AND 6T	SHWS	Higher	3597, 0.681, NE
40	TUCSON URBAN STUDY A	201 E. BROADWAY	SHWS	Higher	4081, 0.773, NE
41	DESCALE-IT PRODUCTS	127 S. 4TH AVE.	SHWS, EMAP	Higher	4264, 0.808, ENE
42	SOUTHERN PACIFIC TRA	400 EAST TOOLE AVENU	SHWS	Higher	4432, 0.839, NE
I43	DOWNTOWN AUTO CENTER	330 N. 5TH AVENUE	SHWS	Higher	5126, 0.971, NE
I44	UNIVERSAL WASTE CONT	330 N FIFTH AVE	SHWS	Higher	5126, 0.971, NE
J45	WILMOT NATIONAL GUAR		SHWS	Higher	5265, 0.997, NE
J46	DAVIS MONTHAN AFB IL		SHWS	Higher	5265, 0.997, NE
J47	ENTRADA DE ORO PLAZA		SHWS	Higher	5265, 0.997, NE

Count: 7 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
TUCSON	S103809868	U.OF A. EXPERIMENTAL FARMS	I-10 AND MIRACLE MILE ROAD	85745	SHWS
TUCSON	1004654689	UNITED FIRE COMPANY	APPROX E OF 300 E 7TH ST	85705	SEMS-ARCHIVE
TUCSON	S113877222	GARDEN CITY STEAM CLEANING	75 S MEYER		DRYCLEANERS
TUCSON	S113878330	RODRIGUEZ AGUILES	71 S MEYER		DRYCLEANERS
TUCSON	S103392088	WQ-MIRACLE MILE	MIRACLE MILE RD & I-10	85745	SHWS
TUCSON	S117038612	LOS REALES LANDFILL	SOUTH OF LOS REALES RD. ON SWA		SWFLF
TUCSON	S103932028	WQ-SANTA CRUZ RIVER PROJECT	SANTA CRUZ RIVER & SPEEDWAY.	85745	SHWS

OVERVIEW MAP - 5990962.1S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Pipelines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

DOD Sites: AZ DEQ

Water Quality Assurance Revolving Fund Areas

AZ NPL

0 1/4 1/2 1 Miles

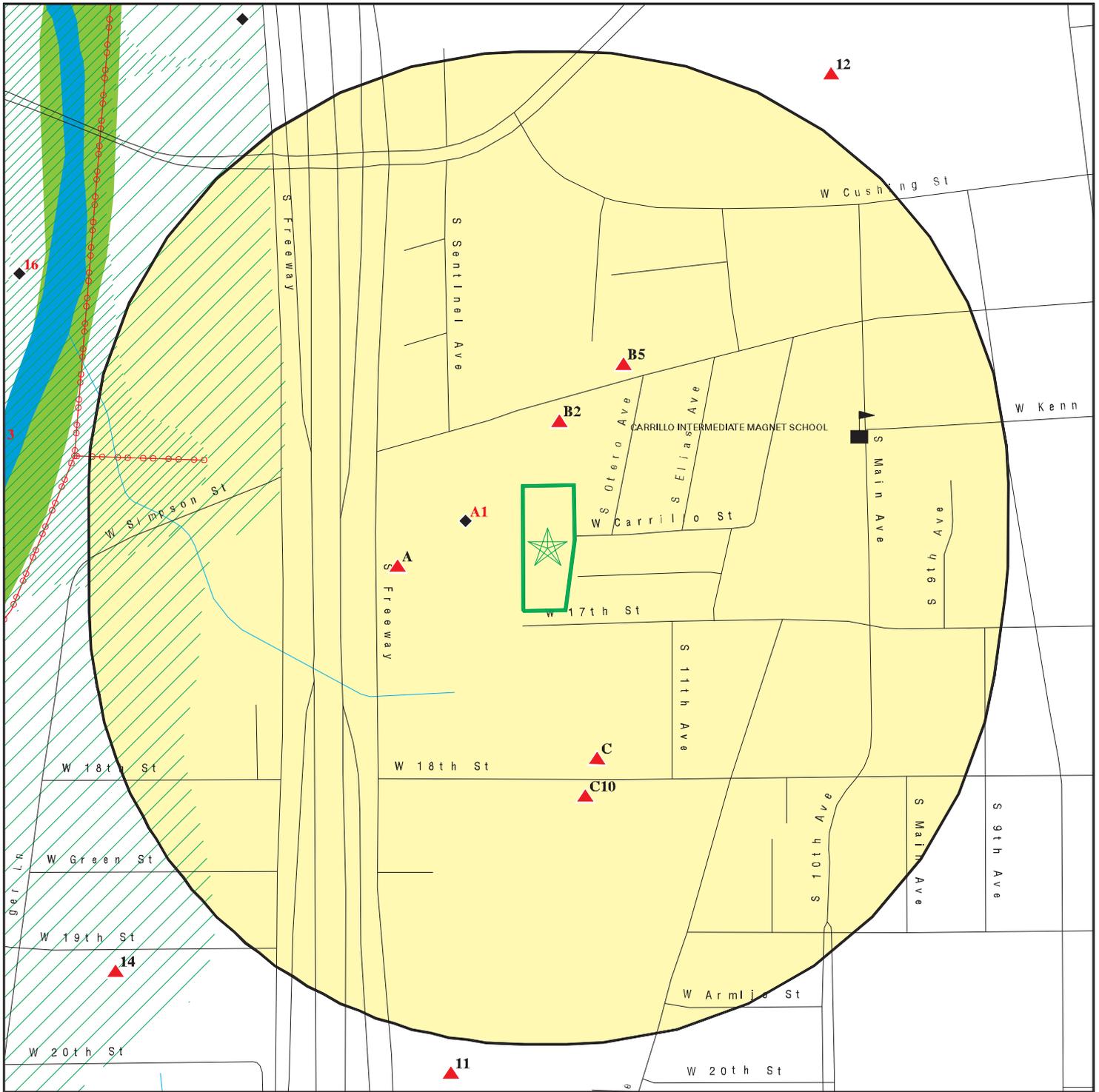


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Former Flint Oil Property
 ADDRESS: 505 W Simpson Street
 Tucson AZ 85701
 LAT/LONG: 32.213942 / 110.97744

CLIENT: Terracon
 CONTACT: Sierra Jaquay
 INQUIRY #: 5990962.1s
 DATE: March 02, 2020 8:35 am

DETAIL MAP - 5990962.1S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

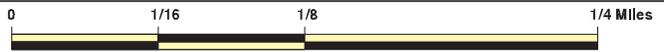
National Wetland Inventory

State Wetlands

DOD Sites: AZ DEQ

Water Quality Assurance Revolving Fund Areas

AZ NPL



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

SITE NAME: Former Flint Oil Property
 ADDRESS: 505 W Simpson Street
 Tucson AZ 85701
 LAT/LONG: 32.213942 / 110.97744

CLIENT: Terracon
 CONTACT: Sierra Jaquay
 INQUIRY #: 5990962.1s
 DATE: March 02, 2020 8:35 am

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	1	NR	NR	1
<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	1	NR	NR	1
<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-VSQG	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	TP		NR	NR	NR	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	1	NR	1
<i>State- and tribal - equivalent CERCLIS</i>								
SPL	1.000		0	0	0	1	NR	1
SHWS	1.000		0	0	1	11	NR	12
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	2	NR	NR	2
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		3	0	9	NR	NR	12

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	0.100		3	NR	NR	NR	NR	3
AST	0.100		0	NR	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	1	NR	NR	1
AUL	0.500		0	0	2	NR	NR	2
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	1	NR	NR	1
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		1	0	10	NR	NR	11
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		5	0	NR	NR	NR	5
FUDS	1.000		0	0	0	1	NR	1

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
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
ECHO	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	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
MANIFEST	0.250		2	0	NR	NR	NR	2
SPDES	TP		NR	NR	NR	NR	NR	0
VAPOR	0.500		0	0	0	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
WWFAC	0.500		0	0	1	NR	NR	1
MINES MRDS	TP		NR	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS	TP		NR	NR	NR	NR	NR	0
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MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	14	0	29	14	0	57

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

WQARF	7TH STREET & ARIZONA AVENUE	AZ WQARF	S104548870
Region		SPL	N/A
NNE	TUCSON, AZ		
1/2-1			
5042 ft.			

[Click here for full text details](#)

SPL
Program Status PENDING PI

A1	CHEVRON U S A INC TUCSON ASPHALT PLT	RCRA NonGen / NLR	1000434308
WNW	601 W SIMPSON ST	ECHO	AZT000615302
< 1/8	TUCSON, AZ 85701		
0.033 mi.			
174 ft.			

[Click here for full text details](#)

Relative:
Lower
RCRA NonGen / NLR
EPA Id AZT000615302

ECHO
Registry ID 110002609767

B2	FLINT OIL	US BROWNFIELDS	1016679699
North	527 WEST SIMPSON STREET 505 W. SIMPSON		N/A
< 1/8	TUCSON, AZ 85701		
0.037 mi.			
196 ft.			

[Click here for full text details](#)

Relative:
Higher
US BROWNFIELDS
ACRES property ID 16098

A3	RALPHS TRANSFER INC	RCRA NonGen / NLR	1000347371
West	747 S FWY	ECHO	AZD068396654
< 1/8	TUCSON, AZ 85705		
0.072 mi.			
382 ft.			

[Click here for full text details](#)

Relative:
Higher
RCRA NonGen / NLR
EPA Id AZD068396654

ECHO
Registry ID 110002568258

MAP FINDINGS

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

A4 West < 1/8 0.072 mi. 382 ft. Relative: Higher	RALPH'S TRANSFER INC 747 S FWY TUCSON, AZ 85745 Click here for full text details LUST Facility Status CLOSED Facility Id 0-004036 Date Closed 02/14/00 UST Date Closed 11/21/1996 Facility Id 0-004036 Closure Type Removal EMAP Facility Status NOT ACTIVE ID Number 124377 ID Number 14917	LUST UST EMAP	U001626765 N/A
---	---	--	---------------------------------

B5 NNE < 1/8 0.076 mi. 400 ft. Relative: Higher	FLINT OIL CO 500 W SIMPSON ST TUCSON, AZ 85701 Click here for full text details UST Date Closed 08/04/1999 Facility Id 0-002157 Closure Type Removal	UST	U003049746 N/A
--	---	------------	---------------------------------

C6 SSE < 1/8 0.087 mi. 459 ft. Relative: Higher	TUCSON WATER CITY OF TUCSON 510 W 18TH ST BLDG 10 TUCSON, AZ 85701 Click here for full text details RCRA NonGen / NLR EPA Id AZR000031021	RCRA NonGen / NLR	1001231210 AZR000031021
--	--	--------------------------	--

C7 SSE < 1/8 0.087 mi. 459 ft. Relative: Higher	CITY OF TUCSON - WEST 18TH ST FUEL ISLAND 510 W 18TH ST TUCSON, AZ 85701 Click here for full text details RCRA NonGen / NLR EPA Id AZ0000297150 MANIFEST	RCRA NonGen / NLR MANIFEST	1000904676 AZ0000297150
--	---	---	--

MAP FINDINGS

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

CITY OF TUCSON - WEST 18TH ST FUEL ISLAND (Continued)

1000904676

EPA Id AZ0000297150

C8 SSE < 1/8 0.087 mi. 459 ft.	CITY OF TUCSON - WEST 18TH ST FUEL ISLAND 510 W 18TH ST TUCSON, AZ 85701	RCRA NonGen / NLR MANIFEST	1000904674 AZ0000297135
---	---	-------------------------------	----------------------------

[Click here for full text details](#)

Relative:
Higher
RCRA NonGen / NLR
EPA Id AZ0000297135

MANIFEST
EPA Id AZ0000297135

C9 SSE < 1/8 0.087 mi. 459 ft.	CITY OF TUCSON - WEST 18TH ST FUEL ISLAND 510 W 18TH ST TUCSON, AZ 85701	LUST UST EMAP	U001626521 N/A
---	---	---------------------	-------------------

[Click here for full text details](#)

Relative:
Higher
LUST
 Facility Status CLOSED
 Facility Id 0-003544
 Date Closed 04/30/99
 Date Closed 11/30/90

UST
 Date Closed 12/01/1987
 Date Closed 10/15/1998
 Facility Id 0-003544
 Closure Type Removal

EMAP
 Facility Status ACTIVE
 ID Number 30527

C10 South < 1/8 0.107 mi. 566 ft.	ASPHALT PRODUCTS TRANSPORT CO 635 W 18TH ST TUCSON, AZ 85701	LUST UST EMAP	U001624949 N/A
--	---	---------------------	-------------------

[Click here for full text details](#)

Relative:
Higher
LUST
 Facility Status CLOSED
 Facility Id 0-000483
 Date Closed 07/22/98

UST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ASPHALT PRODUCTS TRANSPORT CO (Continued)

U001624949

Date Closed 08/11/1988
Date Closed 12/19/1988
Facility Id 0-000483
Closure Type Removal

EMAP

Facility Status NOT ACTIVE
ID Number 14645

11
South
1/4-1/2
0.270 mi.
1423 ft.

EL PASO & SW GREENWAY PROJECT
633 AND 635 W. 18TH 1015 S. FREEWAY
TUCSON, AZ 85745

US BROWNFIELDS **1016679686**
N/A

[Click here for full text details](#)

Relative:
Higher

US BROWNFIELDS
ACRES property ID 157181

12
NNE
1/4-1/2
0.280 mi.
1478 ft.

TUCSON CONVENTION CENTER
260 S CHURCH AVENUE
TUCSON, AZ 85701

VCP **S110118469**
EMAP **N/A**

[Click here for full text details](#)

Relative:
Higher

VCP
Facility Status Closed
Date Closed 09/02/2009

EMAP

Facility Status ACTIVE
ID Number 117109

13
West
1/4-1/2
0.305 mi.
1608 ft.

TUCSON ORIGINS HERITAGE PARK
850 W MISSION LN
TUCSON, AZ 85745

EMAP **S108794885**
Enforcement **N/A**
WWFAC

[Click here for full text details](#)

Relative:
Lower

EMAP
Facility Status ACTIVE
ID Number 14446

WWFAC

Place ID 14446

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
14 SW 1/4-1/2 0.314 mi. 1656 ft.	FIVE VACANT WEST SIDE PARCELS, 881 & 883 W. 19TH S 881 W. 19TH STREET 883 W. 19TH STREET TUCSON, AZ 85745 Click here for full text details	US BROWNFIELDS	1016679698 N/A
Relative: Higher	US BROWNFIELDS ACRES property ID 157261		
15 NNW 1/4-1/2 0.314 mi. 1657 ft.	BOATNER'S TIRE & GROCERY 292 S FREEWAY TUCSON, AZ 85745 Click here for full text details	LUST UST EMAP	U003049731 N/A
Relative: Lower	LUST Facility Status CLOSED Facility Id 0-002071 Date Closed 08/21/08 UST Date Closed 10/09/1996 Facility Id 0-002071 Closure Type Removal EMAP Facility Status ACTIVE ID Number 3496		
16 WNW 1/4-1/2 0.315 mi. 1662 ft.	CONGRESS EAST OF NEARMONT ALONG WEST SIDE OF SANTA CRUZ PIMA COUNTY (County), AZ Click here for full text details	SWF/LF	S106205169 N/A
Relative: Lower	SWF/LF Facility Status CLOSED		
D17 East 1/4-1/2 0.332 mi. 1751 ft.	APN 116-23-0150 NO PROPERTY ADDRESS TUCSON, AZ 85701 Click here for full text details	US BROWNFIELDS	1016378138 N/A
Relative: Higher	US BROWNFIELDS ACRES property ID 156928		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
D18 East 1/4-1/2 0.332 mi. 1751 ft.	ADJACENT LOT TO TUCSON HOUSE APARTMENTS NO PHYSICAL ADDRESS, PARCEL # 115-18-0250 TUCSON, AZ 85701 Click here for full text details	US BROWNFIELDS	1016354284 N/A
Relative: Higher	US BROWNFIELDS ACRES property ID 102041		
19 NNE 1/4-1/2 0.372 mi. 1963 ft.	TCC LOT C SE CORNER 151 SOUTH GRANADA AVENUE TUCSON, AZ 85701 Click here for full text details	US BROWNFIELDS	1018149866 N/A
Relative: Higher	US BROWNFIELDS ACRES property ID 95376		
20 SSW 1/4-1/2 0.388 mi. 2047 ft.	614 S. FREEWAY, 618 & 628 S. FARMINGTON RD. 614 S. FREEWAY, 618 & 628 S. FARMINGTON RD. TUCSON, AZ 85745 Click here for full text details	US BROWNFIELDS	1016378147 N/A
Relative: Higher	US BROWNFIELDS ACRES property ID 157301		
E21 South 1/4-1/2 0.427 mi. 2254 ft.	CIRCLE K #1838 1145 S FREEWAY TUCSON, AZ 85745 Click here for full text details	LUST UST EMAP	U001002156 N/A
Relative: Higher	LUST Facility Status CLOSED Facility Id 0-001494 Date Closed 03/16/06 Date Closed 11/22/00 UST Date Closed 05/09/1997 Facility Id 0-001494 Closure Type Removal EMAP Facility Status NOT ACTIVE ID Number 14629		

MAP FINDINGS

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

F22 West 1/4-1/2 0.431 mi. 2277 ft.	CITIZEN AUTO STAGE CO 351 S BRICKYARD LN TUCSON, AZ 85745	LUST UST EMAP	U003049637 N/A
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[Click here for full text details](#)

Relative:
Higher

LUST
 Facility Status CLOSED
 Facility Id 0-001538
 Date Closed 07/26/00

UST
 Date Closed 12/21/1993
 Date Closed 11/03/1998
 Facility Id 0-001538
 Closure Type Removal

EMAP
 Facility Status ACTIVE
 ID Number 18352

F23 West 1/4-1/2 0.431 mi. 2277 ft.	CITIZENS AUTO STAGE 351 SOUTH BRICKYARD LANE TUCSON, AZ 85701	US BROWNFIELDS	1016349799 N/A
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[Click here for full text details](#)

Relative:
Higher

US BROWNFIELDS
 ACRES property ID 16099

24 East 1/4-1/2 0.435 mi. 2298 ft.	702 SOUTH STONE AVENUE & 709 SOUTH 7TH AVENUE 702 SOUTH STONE AVENUE 709 SOUTH 7TH AVENUE TUCSON, AZ 85701	US BROWNFIELDS	1024008353 N/A
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[Click here for full text details](#)

Relative:
Higher

US BROWNFIELDS
 ACRES property ID 228661

25 NE 1/4-1/2 0.442 mi. 2336 ft.	CITY OF TUCSON - POLICE/FIRE FUEL ISLAND 270 S STONE AVE TUCSON, AZ 85701	LUST UST EMAP Enforcement	U001627369 N/A
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[Click here for full text details](#)

Relative:
Higher

LUST
 Facility Status CLOSED
 Facility Id 0-005176
 Date Closed 12/05/17

UST

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CITY OF TUCSON - POLICE/FIRE FUEL ISLAND (Continued)

U001627369

Date Closed 12/08/1993
Facility Id 0-005176
Closure Type Removal

EMAP

Facility Status ACTIVE
ID Number 34608

E26
South
1/4-1/2
0.443 mi.
2338 ft.

EL CAMPO TIRE WAREHOUSE
600 W 22ND ST
TUCSON, AZ 85713

LUST U004120063
UST N/A
EMAP

[Click here for full text details](#)

Relative:
Higher

LUST

Facility Status CLOSED
Facility Id 0-009809
Date Closed 07/08/02

UST

Date Closed 10/23/2001
Facility Id 0-009809
Closure Type Removal

EMAP

Facility Status NOT ACTIVE
ID Number 17133

27
WNW
1/4-1/2
0.446 mi.
2357 ft.

NEARMONT
NEARMONT ST. AND MELWOOD
PIMA COUNTY (County), AZ

SWF/LF S103895164
N/A

[Click here for full text details](#)

Relative:
Lower

SWF/LF

Facility Status CLOSED

28
NNW
1/4-1/2
0.448 mi.
2364 ft.

7500 E. BROADWAY BLVD SITE LOT 2
50 S. PLACE
TUCSON, AZ

AUL S125406938
N/A

[Click here for full text details](#)

Relative:
Lower

AUL

Remediation ID 29841

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

29
SSW
1/4-1/2
0.460 mi.
2428 ft.

TEXACO - RON'S FREEWAY TEXACO
702 W STARR PASS BLVD
TUCSON, AZ 85713

LUST **U001627887**
UST **N/A**
AZURITE
AUL
EMAP

Relative:
Higher

[Click here for full text details](#)

LUST

Facility Status CLOSED
Facility Id 0-006208
Date Closed 09/14/05
Date Closed 05/23/00
Date Closed 07/16/96

UST

Date Closed 01/16/1997
Date Closed 03/10/1999
Facility Id 0-006208
Closure Type Removal

AUL

Remediation ID 17583

EMAP

Facility Status NOT ACTIVE
ID Number 4255

G30
North
1/4-1/2
0.467 mi.
2468 ft.

TEXACO SERVICE
480 W CONGRESS ST
TUCSON, AZ 85701

LUST **U001627254**
UST **N/A**
EMAP

Relative:
Lower

[Click here for full text details](#)

LUST

Facility Status CLOSED
Facility Id 0-004955
Date Closed 07/11/97

UST

Date Closed 09/23/1996
Facility Id 0-004955
Closure Type Removal

EMAP

Facility Status NOT ACTIVE
ID Number 31080

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
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G31 North 1/4-1/2 0.469 mi. 2475 ft.	PIONEER PAINT & VARNISH CO 438 W CONGRESS ST TUCSON, AZ 85711 Click here for full text details	SEMS-ARCHIVE RCRA-TSDF RCRA-SQG MANIFEST	1000312417 AZD008397796
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Relative:
Lower

SEMS-ARCHIVE
 Site ID 0900501
 EPA Id AZD008397796

RCRA-TSDF
 EPA Id AZD008397796

RCRA-SQG
 EPA Id AZD008397796

MANIFEST
 EPA Id AZD008397796

G32 North 1/4-1/2 0.469 mi. 2475 ft.	PIONEER PAINT & VARNISH CO - FORMER 438 W CONGRESS ST TUCSON, AZ 85701 Click here for full text details	SHWS LUST UST EMAP	U001626713 N/A
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Relative:
Lower

SHWS
 Facility Id 253

LUST
 Facility Status CLOSED
 Facility Id 0-003930
 Date Closed 09/03/08

UST
 Date Closed 11/08/1989
 Facility Id 0-003930
 Closure Type Removal

EMAP
 Facility Status NOT ACTIVE
 ID Number 3315

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
H33 NE 1/4-1/2 0.470 mi. 2482 ft.	MARIST COLLEGE, 64 W. OCHOA 64 W. OCHOA TUCSON, AZ 85701 Click here for full text details	US BROWNFIELDS	1018273269 N/A
Relative: Higher	US BROWNFIELDS ACRES property ID 215401		
H34 NE 1/4-1/2 0.470 mi. 2482 ft.	MARIST COLLEGE 64 W. OCHOA TUCSON, AZ 85701 Click here for full text details	US BROWNFIELDS	1015948199 N/A
Relative: Higher	US BROWNFIELDS ACRES property ID 137181		
35 NNW 1/4-1/2 0.498 mi. 2628 ft.	CIRCLE K #2708838 2 N FREEWAY TUCSON, AZ 85745 Click here for full text details	LUST UST EMAP Enforcement	U003049855 N/A
Relative: Lower	LUST Facility Status CLOSED Facility Id 0-003213 Date Closed 04/11/17 Date Closed 01/21/88 UST Date Closed 07/07/1986 Facility Id 0-003213 Closure Type Removal EMAP Facility Status ACTIVE ID Number 33909		
36 NW 1/2-1 0.516 mi. 2727 ft.	RIO NUEVO PROJECT 700 CONGRESS ST. TUCSON, AZ 85714 Click here for full text details	SHWS	1000725235 N/A
Relative: Lower	SHWS Facility Id 1067		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
37 NNE 1/2-1 0.542 mi. 2860 ft.	WQ-ALUMINUM DROSS (MAIL) PIMA COUNTY DEQ, 150 W. CONGRESS TUCSON, AZ 85701 Click here for full text details Relative: Higher	SHWS	S103392069 N/A
	SHWS Facility Id 816		
38 ENE 1/2-1 0.623 mi. 3291 ft.	TUCSON SUB-STATION TUCSON, AZ Click here for full text details Relative: Higher	FUDS	1024903336 N/A
39 NE 1/2-1 0.681 mi. 3597 ft.	WQ-TUCSON FUEL SPILL BROADWAY ROAD AND 6TH AVE. TUCSON, AZ 85701 Click here for full text details Relative: Higher	SHWS	S101570883 N/A
	SHWS Facility Id 661		
40 NE 1/2-1 0.773 mi. 4081 ft.	TUCSON URBAN STUDY AREA 201 E. BROADWAY TUCSON, AZ 85705 Click here for full text details Relative: Higher	SHWS	S101861016 N/A
	SHWS Facility Id 1387		
41 ENE 1/2-1 0.808 mi. 4264 ft.	DESCALE-IT PRODUCTS CO. 127 S. 4TH AVE. TUCSON, AZ 85701 Click here for full text details Relative: Higher	SHWS EMAP	1000486430 N/A
	SHWS Facility Id 986 EMAP Facility Status ACTIVE ID Number 142220		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
42 NE 1/2-1 0.839 mi. 4432 ft.	SOUTHERN PACIFIC TRANSPORTATION CO. PASSENGER DEPO 400 EAST TOOLE AVENUE TUCSON, AZ 85702 Click here for full text details	SHWS	S123249237 N/A
Relative: Higher	SHWS Facility Id 1450		
143 NE 1/2-1 0.971 mi. 5126 ft.	DOWNTOWN AUTO CENTER 330 N. 5TH AVENUE TUCSON, AZ 85705 Click here for full text details	SHWS	S123249232 N/A
Relative: Higher	SHWS Facility Id 1215		
144 NE 1/2-1 0.971 mi. 5126 ft.	UNIVERSAL WASTE CONTROL 330 N FIFTH AVE TUCSON, AZ 85705 Click here for full text details	SHWS	S123249239 N/A
Relative: Higher	SHWS Facility Id 295		
J45 NE 1/2-1 0.997 mi. 5265 ft.	WILMOT NATIONAL GUARD TARGET RANGE TUCSON, AZ 85707 Click here for full text details	SHWS	S101570996 N/A
Relative: Higher	SHWS Facility Id 726		
J46 NE 1/2-1 0.997 mi. 5265 ft.	DAVIS MONTHAN AFB ILS OM ANNEX TUCSON, AZ 85707 Click here for full text details	SHWS	S100535957 N/A
Relative: Higher	SHWS Facility Id 688		

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

J47
NE
1/2-1
0.997 mi.
5265 ft.

ENTRADA DE ORO PLAZA SHOPPING CENTER
TUCSON, AZ 85704

SHWS S103302015
N/A

[Click here for full text details](#)

Relative:
Higher

SHWS
Facility Id 1454

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov. Date	Arvl. Date	Active Date
AZ	AIRS	Arizona Airs Database	Department of Environmental Quality	10/24/2019	10/25/2019	12/12/2019
AZ	AQUIFER	Waste Water Treatment Facilities	Department of Environmental Quality	12/03/2019	12/05/2019	01/23/2020
AZ	AST	List of Aboveground Storage Tanks	Department of Building & Fire Safety	12/05/2019	12/06/2019	01/31/2020
AZ	AST 2	Aboveground Storage Tank Listing	Department of Environmental Quality	06/05/2019	07/02/2019	09/17/2019
AZ	AUL	DEUR Database	Department of Environmental Quality	10/03/2019	10/04/2019	12/12/2019
AZ	AZ MANIFEST	Manifest Information	Department of Environmental Quality	12/31/2017	07/17/2018	09/05/2018
AZ	AZ NPL	NPL Detail Listing	Department of Environmental Quality	09/30/2019	11/20/2019	01/23/2020
AZ	AZURITE	Remediation and DEUR/VEMUR Tracking System	Department of Environmental Quality	11/19/2018	11/19/2018	11/30/2018
AZ	BROWNFIELDS	Brownfields Tracking System	Department of Environmental Quality	02/08/2019	04/23/2019	06/03/2019
AZ	CDL	Clandestine Drug Labs	Board of Technical Registration	10/28/2019	10/30/2019	12/12/2019
AZ	DOD	Department of Defense Sites	Department of Environmental Quality	09/30/2019	11/20/2019	01/23/2020
AZ	DRY WELLS	Drywell Registration	Department of Environmental Quality	06/10/2019	06/13/2019	08/20/2019
AZ	DRYCLEANERS	Drycleaner Facility Listing	Department of Environmental Quality	04/11/2014	04/15/2014	05/12/2014
AZ	EMAP	All Places of Interest Listing	Department of Environmental Quality	10/07/2019	10/09/2019	12/12/2019
AZ	ENF	Enforcement and Violation Listing	Department of Environmental Quality	11/26/2019	11/27/2019	01/23/2020
AZ	LUST	Leaking Underground Storage Tank Listing	Department of Environmental Quality	07/11/2019	07/12/2019	09/23/2019
AZ	NPDES	Notice of Intent Construction Stormwater General Permits Dat	Department of Environmental Quality	10/28/2019	10/30/2019	12/13/2019
AZ	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Environmental Quality			
AZ	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Environmental Quality			
AZ	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Environmental Quality			
AZ	SHWS	ZipAcids List	Department of Environmental Quality	01/03/2000	04/11/2000	05/16/2000
AZ	SPILLS	Hazardous Material Logbook	Department of Environmental Quality	11/15/2001	06/28/2007	07/24/2007
AZ	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	12/11/2001	01/03/2013	02/11/2013
AZ	SPL	Superfund Program List	Department of Environmental Quality	08/25/2004	04/04/2018	05/17/2018
AZ	SWF/LF	Directory of Solid Waste Facilities	Department of Environmental Quality	09/30/2019	10/18/2019	12/13/2019
AZ	SWTIRE	Solid Waste Tire Facilities	Department of Environmental Quality	12/06/2019	12/09/2019	01/31/2020
AZ	UIC	Underground Injection Control Wells	Arizona Geological Survey	09/30/2015	02/05/2016	04/05/2016
AZ	UST	Underground Storage Tank Listing	Department of Environmental Quality	07/11/2019	07/12/2019	09/23/2019
AZ	VAPOR	Vapor Intrusion	Department of Environmental Quality	10/17/2019	10/22/2019	12/13/2019
AZ	VCP	Voluntary Remediation Program Sites	Department of Environmental Quality	02/08/2019	04/23/2019	06/03/2019
AZ	WQARF	Water Quality Assurance Revolving Fund Sites	Department of Environmental Quality	09/30/2019	11/20/2019	01/23/2020
AZ	WWFAC	Waste Water Treatment Facilities	Department of Environmental Quality	07/09/2012	07/23/2012	09/06/2012
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	12/09/2019	12/11/2019	02/27/2020
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2015	02/22/2017	09/28/2017
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2018	12/04/2019	01/15/2020
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	09/30/2019	10/09/2019	12/20/2019
US	CORRACTS	Corrective Action Report	EPA	12/16/2019	12/16/2019	12/20/2019
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	05/12/2009	05/07/2009	09/21/2009
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	01/31/2018	07/26/2018	10/05/2018
US	DOD	Department of Defense Sites	USGS	12/31/2005	11/10/2006	01/11/2007
US	DOT OPS	Incident and Accident Data	Department of Transportation, Office of Pipeli	10/01/2019	10/29/2019	01/15/2020
US	Delisted NPL	National Priority List Deletions	EPA	01/30/2020	02/05/2020	02/14/2020
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	10/06/2019	10/08/2019	01/02/2020
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	09/09/2019	09/09/2019	09/23/2019

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov. Date	Arvl. Date	Active Date
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	04/03/2019	04/05/2019	05/14/2019
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FEMA UST	Underground Storage Tank Listing	FEMA	08/27/2019	08/28/2019	11/11/2019
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	11/12/2019	11/19/2019	01/28/2020
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	11/18/2019	11/19/2019	01/28/2020
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	08/08/2017	09/11/2018	09/14/2018
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	12/05/2019	12/06/2019	02/14/2020
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Services, Indian	04/01/2014	08/06/2014	01/29/2015
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	10/01/2019	12/04/2019	02/10/2020
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	10/11/2019	12/04/2019	02/10/2020
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	10/10/2019	12/05/2019	02/10/2020
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	10/10/2019	12/04/2019	02/10/2020
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	10/02/2019	12/04/2019	02/10/2020
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	10/15/2019	12/17/2019	02/10/2020
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	10/03/2019	12/04/2019	02/14/2020
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	10/04/2019	12/04/2019	02/27/2020
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/01/2019	12/04/2019	02/10/2020
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	10/11/2019	12/04/2019	02/10/2020
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	10/10/2019	12/05/2019	02/10/2020
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	10/01/2019	12/04/2019	02/10/2020
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	10/02/2019	12/04/2019	02/10/2020
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	10/11/2019	12/04/2019	02/10/2020
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	10/03/2019	12/04/2019	02/14/2020
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	10/04/2019	12/04/2019	02/14/2020
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Listing	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	01/30/2020	02/05/2020	02/14/2020
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	01/30/2020	02/05/2020	02/14/2020
US	LUCIS	Land Use Control Information System	Department of the Navy	11/04/2019	11/13/2019	01/28/2020
US	MINES MRDS	Mineral Resources Data System	USGS	04/06/2018	10/21/2019	10/24/2019
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	12/03/2019	12/03/2019	01/28/2020
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	10/25/2019	10/25/2019	01/15/2020
US	NPL	National Priority List	EPA	01/30/2020	02/05/2020	02/14/2020
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	10/09/2019	10/11/2019	12/20/2019
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	PRP	Potentially Responsible Parties	EPA	01/30/2020	02/06/2020	02/14/2020
US	Proposed NPL	Proposed National Priority List Sites	EPA	01/30/2020	02/05/2020	02/14/2020

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov. Date	Arvl. Date	Active Date
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	12/16/2019	12/16/2019	12/20/2019
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	12/16/2019	12/16/2019	12/20/2019
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	12/16/2019	12/16/2019	12/20/2019
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	12/16/2019	12/16/2019	12/20/2019
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditional	Environmental Protection Agency	12/16/2019	12/16/2019	12/20/2019
US	RMP	Risk Management Plans	Environmental Protection Agency	04/25/2019	05/02/2019	05/23/2019
US	ROD	Records Of Decision	EPA	01/30/2020	02/05/2020	02/14/2020
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	SEMS	Superfund Enterprise Management System	EPA	01/30/2020	02/05/2020	02/14/2020
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	01/30/2020	02/05/2020	02/14/2020
US	SSTS	Section 7 Tracking Systems	EPA	05/01/2019	10/23/2019	01/15/2020
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2017	11/16/2018	11/21/2019
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/21/2017	01/05/2018
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	06/03/2019	06/04/2019	08/26/2019
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	06/11/2019	06/13/2019	09/03/2019
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	11/22/2019	11/22/2019	01/28/2020
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	06/11/2019	06/13/2019	09/03/2019
US	US INST CONTROL	Sites with Institutional Controls	Environmental Protection Agency	11/22/2019	11/22/2019	01/28/2020
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	11/06/2019	11/25/2019	01/28/2020
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	12/05/2005	02/29/2008	04/18/2008
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UXO	Unexploded Ordnance Sites	Department of Defense	12/31/2017	01/17/2019	04/01/2019
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	05/14/2019	12/05/2019	02/03/2020
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	01/01/2019	05/01/2019	06/21/2019
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2018	10/02/2019	12/10/2019
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	05/31/2018	06/19/2019	09/03/2019
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
AZ	Daycare Centers	Sensitive Receptor: Child Care Facilities & Group Homes	Department of Health Services			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl Date	Active Date
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
AZ	State Wetlands	Riparian Vegetation Associated with Perennial Waters	State Land Department			
US	Topographic Map		U.S. Geological Survey			
US	Oil/Gas Pipelines		Endeavor Business Media			
US	Electric Power Transmission Line Data		Endeavor Business Media			

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

FORMER FLINT OIL PROPERTY
505 W SIMPSON STREET
TUCSON, AZ 85701

TARGET PROPERTY COORDINATES

Latitude (North):	32.213942 - 32° 12' 50.19"
Longitude (West):	110.97744 - 110° 58' 38.78"
Universal Tranverse Mercator:	Zone 12
UTM X (Meters):	502126.0
UTM Y (Meters):	3563961.8
Elevation:	2356 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	6719475 TUCSON, AZ
Version Date:	2014

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

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

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

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

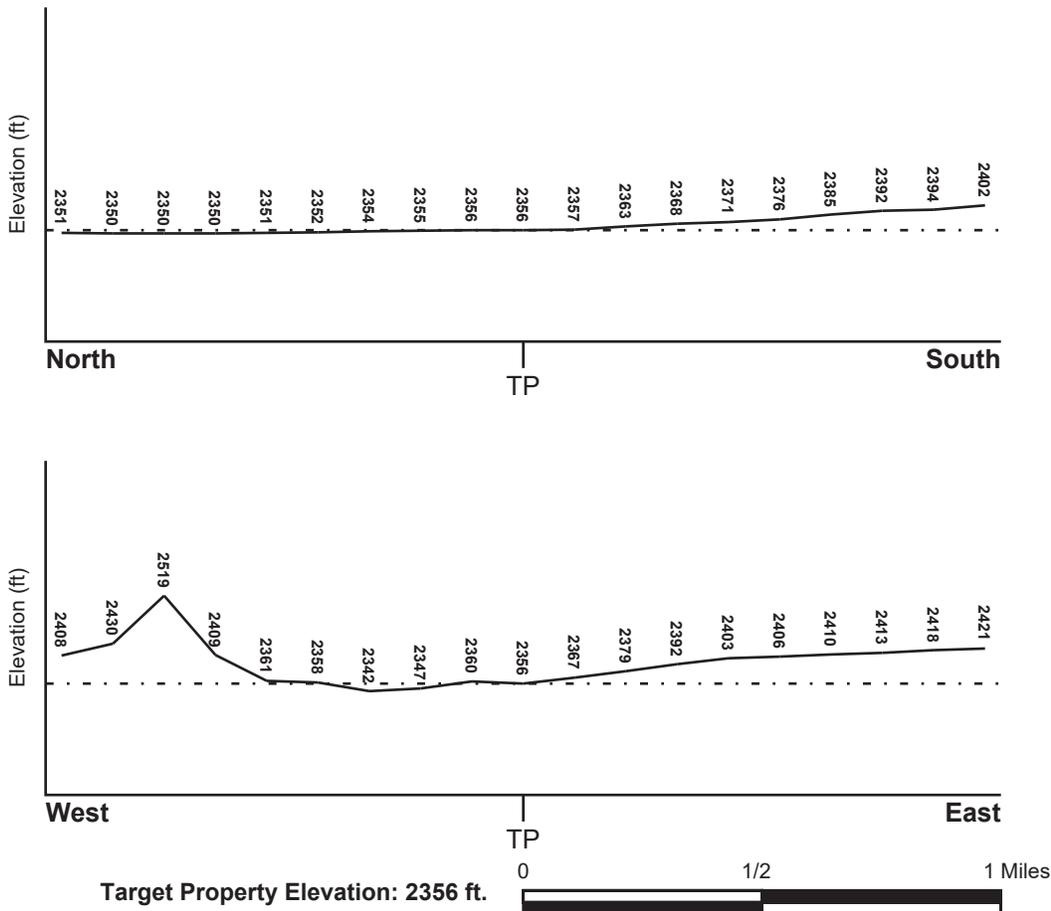
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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>
04019C2278L	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
04019C2277L	FEMA FIRM Flood data
04019C2276L	FEMA FIRM Flood data
04019C2279L	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
TUCSON	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>
4	1/8 - 1/4 Mile SSW	NW
138	1/4 - 1/2 Mile South	Not Reported
X168	1/2 - 1 Mile North	Not Reported
AJ230	1/2 - 1 Mile NE	Not Reported
AN266	1/2 - 1 Mile NW	Not Reported
300	1/2 - 1 Mile East	NW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
AW305	1/2 - 1 Mile NE	NW
BD348	1/2 - 1 Mile NE	Not Reported
532	1/2 - 1 Mile SE	Not Reported
1G	1/2 - 1 Mile NE	NW
2G	1/2 - 1 Mile NE	Not Reported
3G	1/2 - 1 Mile NE	Not Reported
4G	1/2 - 1 Mile North	Not Reported
5G	1/2 - 1 Mile NW	Not Reported
6G	1/2 - 1 Mile East	NW
7G	1/8 - 1/4 Mile SSW	NW
8G	1/4 - 1/2 Mile South	Not Reported
9G	1/2 - 1 Mile SE	Not Reported

For additional site information, refer to Physical Setting Source Map Findings.

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

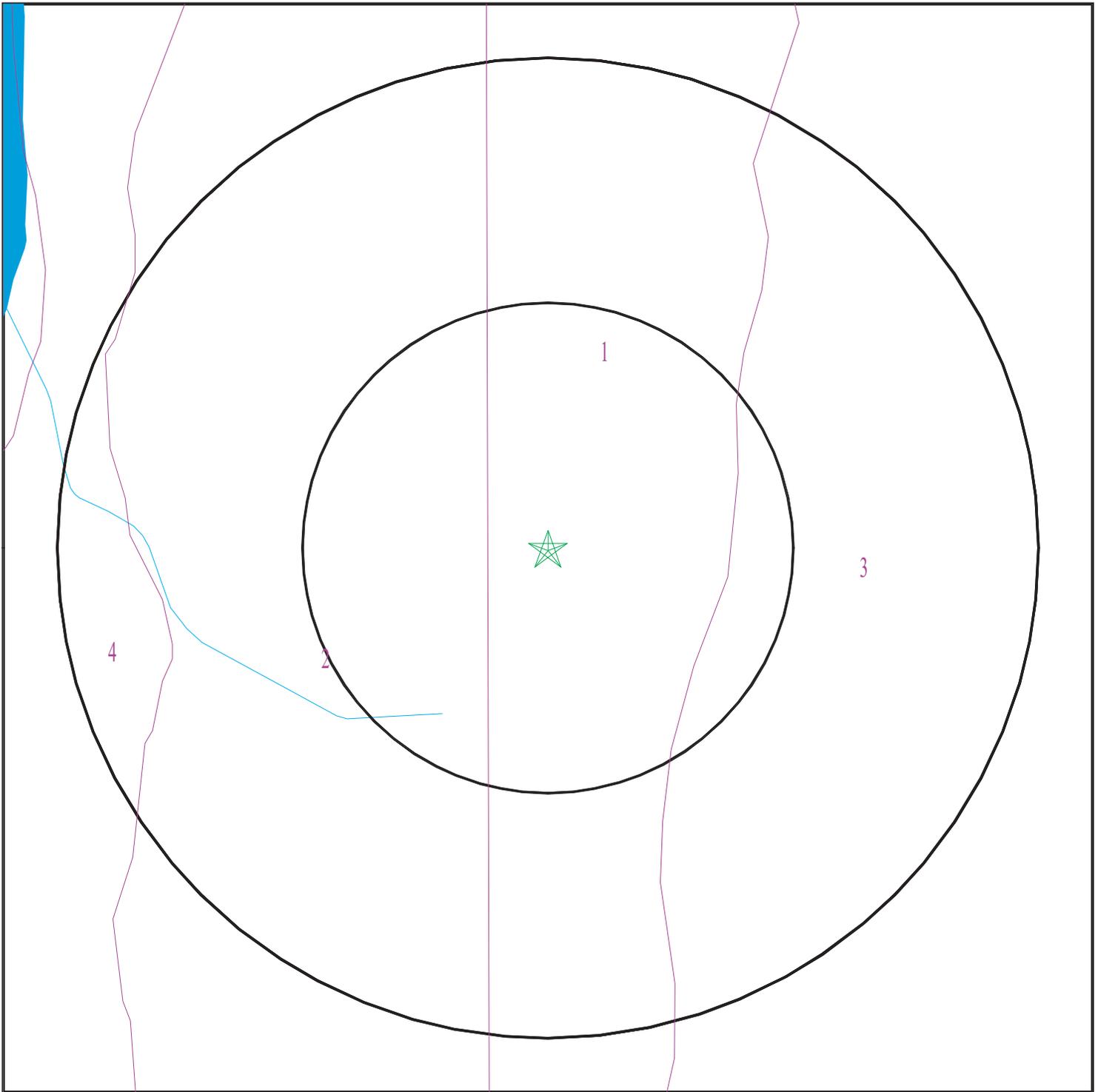
Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (*decoded above as Era, System & Series*)

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 - 5990962.1s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Former Flint Oil Property
ADDRESS: 505 W Simpson Street
Tucson AZ 85701
LAT/LONG: 32.213942 / 110.97744

CLIENT: Terracon
CONTACT: Sierra Jaquay
INQUIRY #: 5990962.1s
DATE: March 02, 2020 8:35 am

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: GLENDALE

Soil Surface Texture: silt 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	3 inches	silt loam	Not reported	Not reported	Max: 14.1111 Min: 1.4111	Max: 8.4 Min: 7.4
2	3 inches	59 inches	clay loam	Not reported	Not reported	Max: 14.1111 Min: 1.4111	Max: 8.4 Min: 7.4

Soil Map ID: 2

Soil Component Name: GRABE

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.	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.4
2	18 inches	59 inches	stratified loam to silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 14 Min: 4	Max: 8.4 Min: 7.4

Soil Map ID: 3

Soil Component Name: URBAN LAND

Soil Surface Texture: loam

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

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 4

Soil Component Name: COMORO

Soil Surface Texture: sandy loam

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

Soil Drainage Class: Well drained

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

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	59 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 42 Min: 4	Max: 8.4 Min: 7.4

LOCAL / REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
B5	USGS40000037172	1/8 - 1/4 Mile SSE
AM247	USGS40000037225	1/2 - 1 Mile West
AO257	USGS40000037341	1/2 - 1 Mile NNE
BB341	USGS40000037124	1/2 - 1 Mile SSW
BI437	USGS40000037361	1/2 - 1 Mile NNE
BP446	USGS40000037103	1/2 - 1 Mile SSW
BQ448	USGS40000037382	1/2 - 1 Mile North
BN488	USGS40000037105	1/2 - 1 Mile SSW
BO497	USGS40000037360	1/2 - 1 Mile NE
535	USGS40000037386	1/2 - 1 Mile North

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AA192	AZ0420197	1/2 - 1 Mile ENE

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

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	AZ9000000102255	0 - 1/8 Mile NW
A2	AZ9000000102256	0 - 1/8 Mile NW
A3	AZ9000000102257	0 - 1/8 Mile NW
B6	AZ9000000149882	1/8 - 1/4 Mile SSE
C7	AZ9000000070938	1/8 - 1/4 Mile NNW
C8	AZ9000000201844	1/8 - 1/4 Mile NNW
D9	AZDEQ1000049533	1/8 - 1/4 Mile NE
E10	AZ9000000087900	1/8 - 1/4 Mile WNW
E11	AZ9000000087901	1/8 - 1/4 Mile WNW
B12	AZDEQ1000028672	1/8 - 1/4 Mile SSE
13	AZ9000000065463	1/8 - 1/4 Mile SE
D14	AZ9000000173937	1/4 - 1/2 Mile NE
15	AZ9000000210500	1/4 - 1/2 Mile ENE
16	AZ9000000207568	1/4 - 1/2 Mile North
F17	AZ9000000077714	1/4 - 1/2 Mile SSW
F18	AZ9000000039823	1/4 - 1/2 Mile SSW
F19	AZ9000000077716	1/4 - 1/2 Mile SSW
F20	AZ9000000077715	1/4 - 1/2 Mile SSW
G21	AZ9000000078223	1/4 - 1/2 Mile NNW
G22	AZ9000000078224	1/4 - 1/2 Mile NNW
G23	AZ9000000046719	1/4 - 1/2 Mile NNW
G24	AZ9000000078222	1/4 - 1/2 Mile NNW
G25	AZ9000000083974	1/4 - 1/2 Mile NNW
G26	AZ9000000083975	1/4 - 1/2 Mile NNW
G27	AZ9000000078225	1/4 - 1/2 Mile NNW
G28	AZ9000000078226	1/4 - 1/2 Mile NNW
H29	AZ9000000053910	1/4 - 1/2 Mile West

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
I30	AZDEQ1000049384	1/4 - 1/2 Mile West
I31	AZ9000000126877	1/4 - 1/2 Mile West
I32	AZ9000000126876	1/4 - 1/2 Mile West
I33	AZ9000000126879	1/4 - 1/2 Mile West
I34	AZ9000000126878	1/4 - 1/2 Mile West
I35	AZ9000000051667	1/4 - 1/2 Mile West
I36	AZ9000000051666	1/4 - 1/2 Mile West
I37	AZ9000000126875	1/4 - 1/2 Mile West
I38	AZ9000000126874	1/4 - 1/2 Mile West
I39	AZ9000000174404	1/4 - 1/2 Mile West
I40	AZ9000000127351	1/4 - 1/2 Mile West
I41	AZ9000000174834	1/4 - 1/2 Mile West
I42	AZ9000000174405	1/4 - 1/2 Mile West
I43	AZ9000000126881	1/4 - 1/2 Mile West
I44	AZ9000000126880	1/4 - 1/2 Mile West
I45	AZ9000000126883	1/4 - 1/2 Mile West
I46	AZ9000000126882	1/4 - 1/2 Mile West
I47	AZDEQ1000049473	1/4 - 1/2 Mile WNW
J48	AZDEQ1000049571	1/4 - 1/2 Mile NNW
K49	AZ9000000183691	1/4 - 1/2 Mile NE
K50	AZ9000000046714	1/4 - 1/2 Mile NE
K51	AZ9000000211894	1/4 - 1/2 Mile NE
K52	AZ9000000210501	1/4 - 1/2 Mile NE
J53	AZDEQ1000049547	1/4 - 1/2 Mile NNW
I54	AZDEQ1000049472	1/4 - 1/2 Mile West
I55	AZDEQ1000049383	1/4 - 1/2 Mile WNW
G56	AZDEQ1000044386	1/4 - 1/2 Mile North
L57	AZ9000000183692	1/4 - 1/2 Mile NNE
L58	AZ9000000207566	1/4 - 1/2 Mile NNE
J59	AZDEQ1000049392	1/4 - 1/2 Mile NNW
I60	AZDEQ1000049476	1/4 - 1/2 Mile West
I61	AZDEQ1000049496	1/4 - 1/2 Mile West
62	AZ9000000161425	1/4 - 1/2 Mile SW
M63	AZDEQ1000049475	1/4 - 1/2 Mile WNW
I64	AZDEQ1000049387	1/4 - 1/2 Mile West
I65	AZDEQ1000049385	1/4 - 1/2 Mile West
I66	AZDEQ1000049530	1/4 - 1/2 Mile West
I67	AZDEQ1000049591	1/4 - 1/2 Mile West
J68	AZ9000000062437	1/4 - 1/2 Mile NNW
J69	AZ9000000062438	1/4 - 1/2 Mile NNW
J70	AZ9000000062439	1/4 - 1/2 Mile NNW
N71	AZ9000000109669	1/4 - 1/2 Mile WSW
M72	AZDEQ1000049479	1/4 - 1/2 Mile WNW
I73	AZDEQ1000049529	1/4 - 1/2 Mile West
M74	AZ9000000053908	1/4 - 1/2 Mile WNW
M75	AZ9000000053907	1/4 - 1/2 Mile WNW
M76	AZ9000000051665	1/4 - 1/2 Mile WNW
M77	AZ9000000053909	1/4 - 1/2 Mile WNW
M78	AZ9000000104202	1/4 - 1/2 Mile WNW
M79	AZ9000000087899	1/4 - 1/2 Mile WNW
M80	AZ9000000087898	1/4 - 1/2 Mile WNW
I81	AZDEQ1000049488	1/4 - 1/2 Mile West

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
M82	AZDEQ1000049471	1/4 - 1/2 Mile WNW
I83	AZDEQ1000049386	1/4 - 1/2 Mile West
I84	AZDEQ1000049489	1/4 - 1/2 Mile West
O85	AZDEQ1000049593	1/4 - 1/2 Mile West
I86	AZDEQ1000049531	1/4 - 1/2 Mile West
I87	AZDEQ1000049490	1/4 - 1/2 Mile West
H88	AZDEQ1000049326	1/4 - 1/2 Mile West
I89	AZDEQ1000049491	1/4 - 1/2 Mile West
I90	AZDEQ1000049528	1/4 - 1/2 Mile West
91	AZ9000000173943	1/4 - 1/2 Mile WSW
P92	AZDEQ1000036670	1/4 - 1/2 Mile North
P93	AZDEQ1000036669	1/4 - 1/2 Mile North
I94	AZDEQ1000049492	1/4 - 1/2 Mile West
P95	AZDEQ1000036667	1/4 - 1/2 Mile North
O96	AZDEQ1000049495	1/4 - 1/2 Mile West
O97	AZDEQ1000049494	1/4 - 1/2 Mile West
Q98	AZ9000000207922	1/4 - 1/2 Mile NE
Q99	AZ9000000207921	1/4 - 1/2 Mile NE
Q100	AZ9000000183690	1/4 - 1/2 Mile NE
Q101	AZ9000000211895	1/4 - 1/2 Mile NE
Q102	AZ9000000210502	1/4 - 1/2 Mile NE
Q103	AZ9000000207923	1/4 - 1/2 Mile NE
O104	AZDEQ1000049493	1/4 - 1/2 Mile West
O105	AZDEQ1000049588	1/4 - 1/2 Mile West
N106	AZDEQ1000049480	1/4 - 1/2 Mile WSW
P107	AZDEQ1000044384	1/4 - 1/2 Mile North
R108	AZ9000000067552	1/4 - 1/2 Mile South
R109	AZ9000000121843	1/4 - 1/2 Mile South
S110	AZ9000000079584	1/4 - 1/2 Mile North
S111	AZ9000000110277	1/4 - 1/2 Mile North
P112	AZDEQ1000044385	1/4 - 1/2 Mile North
P113	AZ9000000068103	1/4 - 1/2 Mile North
P114	AZ9000000072500	1/4 - 1/2 Mile North
P115	AZ9000000061698	1/4 - 1/2 Mile North
P116	AZ900000007680	1/4 - 1/2 Mile North
P117	AZ9000000061619	1/4 - 1/2 Mile North
P118	AZ9000000085259	1/4 - 1/2 Mile North
P119	AZ9000000210002	1/4 - 1/2 Mile North
P120	AZ9000000085252	1/4 - 1/2 Mile North
P121	AZ9000000074304	1/4 - 1/2 Mile North
P122	AZ9000000085251	1/4 - 1/2 Mile North
P123	AZDEQ1000036668	1/4 - 1/2 Mile North
124	AZ9000000173946	1/4 - 1/2 Mile SW
T125	AZ9000000204694	1/4 - 1/2 Mile ENE
T126	AZ9000000211893	1/4 - 1/2 Mile ENE
O127	AZ9000000173944	1/4 - 1/2 Mile West
P128	AZDEQ1000036666	1/4 - 1/2 Mile North
129	AZ9000000174403	1/4 - 1/2 Mile West
130	AZ9000000205924	1/4 - 1/2 Mile NNE
U131	AZ9000000097663	1/4 - 1/2 Mile East
U132	AZ9000000204922	1/4 - 1/2 Mile East
U133	AZ9000000211729	1/4 - 1/2 Mile East

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
V134	AZ9000000173947	1/4 - 1/2 Mile SSW
135	AZ9000000046709	1/4 - 1/2 Mile NNW
W136	AZDEQ1000049485	1/4 - 1/2 Mile WNW
137	AZ9000000173945	1/4 - 1/2 Mile WSW
W139	AZ9000000126872	1/4 - 1/2 Mile WNW
W140	AZ9000000126871	1/4 - 1/2 Mile WNW
W141	AZ9000000126870	1/4 - 1/2 Mile WNW
W142	AZ9000000174390	1/4 - 1/2 Mile WNW
W143	AZ9000000174389	1/4 - 1/2 Mile WNW
W144	AZ9000000126873	1/4 - 1/2 Mile WNW
W145	AZ9000000124053	1/4 - 1/2 Mile WNW
W146	AZ9000000124052	1/4 - 1/2 Mile WNW
W147	AZ9000000051664	1/4 - 1/2 Mile WNW
W148	AZ9000000126869	1/4 - 1/2 Mile WNW
W149	AZ9000000126868	1/4 - 1/2 Mile WNW
W150	AZ9000000124054	1/4 - 1/2 Mile WNW
W151	AZ9000000174399	1/4 - 1/2 Mile WNW
W152	AZ9000000174398	1/4 - 1/2 Mile WNW
W153	AZ9000000174397	1/4 - 1/2 Mile WNW
W154	AZ9000000174402	1/4 - 1/2 Mile WNW
W155	AZ9000000174401	1/4 - 1/2 Mile WNW
W156	AZ9000000174400	1/4 - 1/2 Mile WNW
W157	AZ9000000174393	1/4 - 1/2 Mile WNW
W158	AZ9000000174392	1/4 - 1/2 Mile WNW
W159	AZ9000000174391	1/4 - 1/2 Mile WNW
W160	AZ9000000174396	1/4 - 1/2 Mile WNW
W161	AZ9000000174395	1/4 - 1/2 Mile WNW
W162	AZ9000000174394	1/4 - 1/2 Mile WNW
W163	AZDEQ1000049544	1/2 - 1 Mile WNW
W164	AZDEQ1000049541	1/2 - 1 Mile WNW
W165	AZDEQ1000049542	1/2 - 1 Mile WNW
V166	AZDEQ1000049517	1/2 - 1 Mile SSW
W167	AZDEQ1000049543	1/2 - 1 Mile WNW
W169	AZDEQ1000049470	1/2 - 1 Mile WNW
W170	AZDEQ1000049540	1/2 - 1 Mile WNW
W171	AZDEQ1000049539	1/2 - 1 Mile WNW
W172	AZDEQ1000049534	1/2 - 1 Mile WNW
W173	AZDEQ1000049538	1/2 - 1 Mile WNW
W174	AZDEQ1000049536	1/2 - 1 Mile WNW
W175	AZDEQ1000049537	1/2 - 1 Mile WNW
W176	AZDEQ1000049545	1/2 - 1 Mile WNW
W177	AZDEQ1000049546	1/2 - 1 Mile WNW
W178	AZDEQ1000049452	1/2 - 1 Mile WNW
W179	AZDEQ1000049535	1/2 - 1 Mile WNW
Y180	AZ9000000174388	1/2 - 1 Mile West
Y181	AZ9000000182411	1/2 - 1 Mile West
Y182	AZ9000000053911	1/2 - 1 Mile West
Y183	AZ9000000174387	1/2 - 1 Mile West
Y184	AZ9000000208680	1/2 - 1 Mile West
Y185	AZ9000000210001	1/2 - 1 Mile West
Y186	AZ9000000185956	1/2 - 1 Mile West
Y187	AZ9000000198589	1/2 - 1 Mile West

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
Z188	AZDEQ1000000980	1/2 - 1 Mile NNE
Z189	AZ9000000049476	1/2 - 1 Mile NNE
Z190	AZ90000000198535	1/2 - 1 Mile NNE
Y191	AZDEQ1000049482	1/2 - 1 Mile West
AB193	AZDEQ1000049478	1/2 - 1 Mile WNW
W194	AZDEQ1000049484	1/2 - 1 Mile WNW
AB195	AZDEQ1000049483	1/2 - 1 Mile WNW
AB196	AZ9000000009739	1/2 - 1 Mile NW
AB197	AZ90000000104203	1/2 - 1 Mile NW
AB198	AZ90000000123113	1/2 - 1 Mile NW
AC199	AZ9000000005528	1/2 - 1 Mile South
AC200	AZ90000000093876	1/2 - 1 Mile South
AA201	AZ90000000209771	1/2 - 1 Mile ENE
X202	AZ9000000022080	1/2 - 1 Mile North
X203	AZ9000000022079	1/2 - 1 Mile North
X204	AZ9000000022461	1/2 - 1 Mile North
X205	AZ90000000205488	1/2 - 1 Mile North
X206	AZ90000000173930	1/2 - 1 Mile North
Z207	AZDEQ1000000981	1/2 - 1 Mile NNE
Z208	AZDEQ1000000972	1/2 - 1 Mile NNE
209	AZ90000000109667	1/2 - 1 Mile West
210	AZ90000000094952	1/2 - 1 Mile SSW
AD211	AZDEQ1000049487	1/2 - 1 Mile WNW
AD212	AZDEQ1000049474	1/2 - 1 Mile WNW
213	AZ90000000109668	1/2 - 1 Mile WSW
AD214	AZDEQ1000049592	1/2 - 1 Mile WNW
AD215	AZ90000000173939	1/2 - 1 Mile WNW
AD216	AZ90000000173940	1/2 - 1 Mile WNW
AE217	AZDEQ1000049481	1/2 - 1 Mile WSW
AF218	AZ90000000123114	1/2 - 1 Mile NW
AG219	AZ90000000108036	1/2 - 1 Mile NNE
AG220	AZ90000000040830	1/2 - 1 Mile NNE
AG221	AZ90000000189354	1/2 - 1 Mile NNE
AG222	AZ90000000188937	1/2 - 1 Mile NNE
AH223	AZDEQ1000049337	1/2 - 1 Mile West
AI224	AZDEQ1000049809	1/2 - 1 Mile NNE
225	AZ90000000167820	1/2 - 1 Mile NNW
AJ226	AZDEQ1000049595	1/2 - 1 Mile NE
AF227	AZDEQ1000049486	1/2 - 1 Mile NW
AH228	AZ90000000061024	1/2 - 1 Mile West
AE229	AZ90000000173942	1/2 - 1 Mile WSW
AK231	AZ9000000005560	1/2 - 1 Mile South
AK232	AZ90000000081189	1/2 - 1 Mile South
AL233	AZ90000000011345	1/2 - 1 Mile North
AL234	AZ90000000015598	1/2 - 1 Mile North
AL235	AZ90000000183741	1/2 - 1 Mile North
AJ236	AZ90000000046718	1/2 - 1 Mile NE
AJ237	AZ90000000031141	1/2 - 1 Mile NE
AJ238	AZ90000000031139	1/2 - 1 Mile NE
AJ239	AZ90000000173936	1/2 - 1 Mile NE
AJ240	AZ90000000203716	1/2 - 1 Mile NE
AJ241	AZ90000000189352	1/2 - 1 Mile NE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AJ242	AZ9000000174379	1/2 - 1 Mile NE
AI243	AZDEQ1000049497	1/2 - 1 Mile NNE
AM244	AZ9000000173941	1/2 - 1 Mile West
AM245	AZDEQ1000028673	1/2 - 1 Mile West
AJ246	AZDEQ1000049810	1/2 - 1 Mile NE
248	AZ9000000081188	1/2 - 1 Mile SSW
AI249	AZ9000000173933	1/2 - 1 Mile NNE
AI250	AZ9000000173934	1/2 - 1 Mile NNE
AI251	AZ9000000173935	1/2 - 1 Mile NNE
AI252	AZDEQ1000028670	1/2 - 1 Mile NNE
253	AZ9000000193880	1/2 - 1 Mile SW
254	AZ9000000173929	1/2 - 1 Mile NNW
255	AZ9000000174837	1/2 - 1 Mile SW
AN256	AZ9000000021338	1/2 - 1 Mile NW
258	AZ9000000065470	1/2 - 1 Mile SSE
AO259	AZDEQ1000049771	1/2 - 1 Mile NNE
AP260	AZ9000000107944	1/2 - 1 Mile NNE
AP261	AZ9000000189355	1/2 - 1 Mile NNE
AQ262	AZDEQ1000028684	1/2 - 1 Mile SSW
AQ263	AZ9000000117083	1/2 - 1 Mile SSW
AQ264	AZ9000000148615	1/2 - 1 Mile SSW
AP265	AZDEQ1000049179	1/2 - 1 Mile NNE
AR267	AZ9000000153768	1/2 - 1 Mile SE
AR268	AZ9000000153769	1/2 - 1 Mile SE
AS269	AZ9000000065714	1/2 - 1 Mile NE
AS270	AZ9000000075318	1/2 - 1 Mile NE
AS271	AZ9000000189351	1/2 - 1 Mile NE
AT272	AZDEQ1000041535	1/2 - 1 Mile NE
AU273	AZDEQ1000049424	1/2 - 1 Mile ESE
AU274	AZ9000000101296	1/2 - 1 Mile ESE
AU275	AZ9000000101297	1/2 - 1 Mile ESE
AU276	AZ9000000101298	1/2 - 1 Mile ESE
AU277	AZ9000000101295	1/2 - 1 Mile ESE
AU278	AZ9000000101292	1/2 - 1 Mile ESE
AU279	AZ9000000101293	1/2 - 1 Mile ESE
AU280	AZ9000000101294	1/2 - 1 Mile ESE
AU281	AZ9000000111936	1/2 - 1 Mile ESE
AU282	AZ9000000127448	1/2 - 1 Mile ESE
AU283	AZ9000000173938	1/2 - 1 Mile ESE
AU284	AZ9000000111935	1/2 - 1 Mile ESE
AU285	AZ9000000101299	1/2 - 1 Mile ESE
AU286	AZ9000000101300	1/2 - 1 Mile ESE
AU287	AZ9000000101393	1/2 - 1 Mile ESE
AT288	AZ9000000075316	1/2 - 1 Mile NE
AT289	AZ9000000075317	1/2 - 1 Mile NE
AT290	AZ9000000102023	1/2 - 1 Mile NE
AV291	AZDEQ1000049172	1/2 - 1 Mile ENE
AT292	AZDEQ1000041534	1/2 - 1 Mile NE
AU293	AZDEQ1000049423	1/2 - 1 Mile SE
AT294	AZDEQ1000041533	1/2 - 1 Mile NE
295	AZDEQ1000049373	1/2 - 1 Mile SSE
AW296	AZ9000000116103	1/2 - 1 Mile NNE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
AW297	AZ9000000116102	1/2 - 1 Mile NNE
AW298	AZ9000000207539	1/2 - 1 Mile NNE
AW299	AZ9000000174832	1/2 - 1 Mile NNE
AU301	AZDEQ1000049422	1/2 - 1 Mile SE
AT302	AZDEQ100001023	1/2 - 1 Mile NE
AS303	AZDEQ1000041532	1/2 - 1 Mile NE
AT304	AZDEQ100001130	1/2 - 1 Mile NE
AT306	AZDEQ1000041778	1/2 - 1 Mile NE
AT307	AZDEQ1000041779	1/2 - 1 Mile NE
308	AZ9000000193870	1/2 - 1 Mile SSW
AU309	AZDEQ1000049421	1/2 - 1 Mile SE
AX310	AZ9000000098340	1/2 - 1 Mile SSE
AX311	AZ9000000098341	1/2 - 1 Mile SSE
AX312	AZ9000000098342	1/2 - 1 Mile SSE
AU313	AZDEQ1000049418	1/2 - 1 Mile SE
AT314	AZDEQ1000041780	1/2 - 1 Mile NE
AY315	AZ9000000174835	1/2 - 1 Mile WSW
AY316	AZ9000000174836	1/2 - 1 Mile WSW
AT317	AZDEQ1000041536	1/2 - 1 Mile NE
AZ318	AZ9000000121340	1/2 - 1 Mile NNW
AZ319	AZ9000000120879	1/2 - 1 Mile NNW
AZ320	AZ9000000121342	1/2 - 1 Mile NNW
AZ321	AZ9000000121341	1/2 - 1 Mile NNW
AZ322	AZ9000000120878	1/2 - 1 Mile NNW
AZ323	AZ9000000120875	1/2 - 1 Mile NNW
AZ324	AZ9000000022271	1/2 - 1 Mile NNW
AZ325	AZ9000000120877	1/2 - 1 Mile NNW
AZ326	AZ9000000120876	1/2 - 1 Mile NNW
AZ327	AZ9000000121343	1/2 - 1 Mile NNW
AZ328	AZ9000000121350	1/2 - 1 Mile NNW
AZ329	AZ9000000121349	1/2 - 1 Mile NNW
AZ330	AZ9000000121352	1/2 - 1 Mile NNW
AZ331	AZ9000000121351	1/2 - 1 Mile NNW
AZ332	AZ9000000121348	1/2 - 1 Mile NNW
AZ333	AZ9000000121345	1/2 - 1 Mile NNW
AZ334	AZ9000000121344	1/2 - 1 Mile NNW
AZ335	AZ9000000121347	1/2 - 1 Mile NNW
AZ336	AZ9000000121346	1/2 - 1 Mile NNW
BA337	AZ9000000017149	1/2 - 1 Mile SSW
BA338	AZ9000000075938	1/2 - 1 Mile SSW
AT339	AZDEQ100001131	1/2 - 1 Mile NE
AU340	AZDEQ100000979	1/2 - 1 Mile SE
342	AZ9000000198530	1/2 - 1 Mile North
BC343	AZ9000000025335	1/2 - 1 Mile ENE
BC344	AZ9000000102025	1/2 - 1 Mile ENE
AW345	AZDEQ1000028669	1/2 - 1 Mile NNE
BC346	AZDEQ1000049167	1/2 - 1 Mile ENE
AV347	AZDEQ1000041537	1/2 - 1 Mile NE
BD349	AZDEQ1000041531	1/2 - 1 Mile NE
BE350	AZDEQ1000049171	1/2 - 1 Mile NE
BF351	AZ9000000107945	1/2 - 1 Mile NNE
BF352	AZ9000000189357	1/2 - 1 Mile NNE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
BD353	AZ9000000075312	1/2 - 1 Mile NE
BD354	AZ9000000075311	1/2 - 1 Mile NE
BD355	AZ9000000075310	1/2 - 1 Mile NE
BD356	AZ9000000075319	1/2 - 1 Mile NE
BD357	AZ9000000075314	1/2 - 1 Mile NE
BD358	AZ9000000075313	1/2 - 1 Mile NE
BD359	AZ9000000054263	1/2 - 1 Mile NE
BD360	AZ9000000054262	1/2 - 1 Mile NE
BD361	AZ9000000047869	1/2 - 1 Mile NE
BD362	AZ9000000075309	1/2 - 1 Mile NE
BD363	AZ9000000063433	1/2 - 1 Mile NE
BD364	AZ9000000054264	1/2 - 1 Mile NE
BD365	AZ9000000087414	1/2 - 1 Mile NE
BD366	AZ9000000087413	1/2 - 1 Mile NE
BD367	AZ9000000084384	1/2 - 1 Mile NE
BD368	AZ9000000174386	1/2 - 1 Mile NE
BD369	AZ9000000118681	1/2 - 1 Mile NE
BD370	AZ9000000118680	1/2 - 1 Mile NE
BD371	AZ9000000082895	1/2 - 1 Mile NE
BD372	AZ9000000077284	1/2 - 1 Mile NE
BD373	AZ9000000077283	1/2 - 1 Mile NE
BD374	AZ9000000082898	1/2 - 1 Mile NE
BD375	AZ9000000082897	1/2 - 1 Mile NE
BD376	AZ9000000082896	1/2 - 1 Mile NE
BB377	AZ9000000030827	1/2 - 1 Mile SSW
BB378	AZ9000000087545	1/2 - 1 Mile SSW
BB379	AZ9000000169872	1/2 - 1 Mile SSW
BE380	AZ9000000046713	1/2 - 1 Mile NE
BE381	AZ9000000049475	1/2 - 1 Mile NE
BE382	AZ9000000102018	1/2 - 1 Mile NE
BE383	AZ9000000019014	1/2 - 1 Mile NE
BE384	AZ9000000030632	1/2 - 1 Mile NE
BE385	AZ9000000046712	1/2 - 1 Mile NE
BE386	AZ9000000104135	1/2 - 1 Mile NE
BE387	AZ9000000118678	1/2 - 1 Mile NE
BE388	AZ9000000118679	1/2 - 1 Mile NE
BE389	AZ9000000103456	1/2 - 1 Mile NE
BE390	AZ9000000104133	1/2 - 1 Mile NE
BE391	AZ9000000104134	1/2 - 1 Mile NE
BE392	AZDEQ1000049173	1/2 - 1 Mile NE
BD393	AZDEQ1000049586	1/2 - 1 Mile NE
BD394	AZDEQ1000049587	1/2 - 1 Mile NE
BG395	AZDEQ1000049511	1/2 - 1 Mile NE
BD396	AZDEQ1000049527	1/2 - 1 Mile NE
BD397	AZDEQ1000049512	1/2 - 1 Mile NE
BG398	AZDEQ1000036631	1/2 - 1 Mile NE
BH399	AZDEQ1000049330	1/2 - 1 Mile North
BI400	AZDEQ1000049177	1/2 - 1 Mile NNE
BE401	AZDEQ1000049510	1/2 - 1 Mile NE
BJ402	AZDEQ1000028688	1/2 - 1 Mile SW
BJ403	AZDEQ1000028689	1/2 - 1 Mile SW
BJ404	AZ9000000148614	1/2 - 1 Mile SW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
BJ405	AZ9000000157196	1/2 - 1 Mile SW
406	AZ9000000025337	1/2 - 1 Mile ESE
BK407	AZ9000000075315	1/2 - 1 Mile ENE
BK408	AZ9000000198534	1/2 - 1 Mile ENE
BL409	AZ9000000065469	1/2 - 1 Mile SSE
BD410	AZDEQ1000049515	1/2 - 1 Mile NE
BG411	AZDEQ1000049514	1/2 - 1 Mile NE
BE412	AZDEQ1000049525	1/2 - 1 Mile NE
BM413	AZDEQ1000049516	1/2 - 1 Mile NE
BL414	AZDEQ1000049395	1/2 - 1 Mile SSE
BM415	AZDEQ1000049405	1/2 - 1 Mile NE
BI416	AZ9000000083380	1/2 - 1 Mile NNE
BI417	AZ9000000083669	1/2 - 1 Mile NNE
BI418	AZ9000000006834	1/2 - 1 Mile NNE
BI419	AZ9000000006832	1/2 - 1 Mile NNE
BI420	AZ9000000006833	1/2 - 1 Mile NNE
BI421	AZ9000000083672	1/2 - 1 Mile NNE
BI422	AZ9000000173932	1/2 - 1 Mile NNE
BI423	AZ9000000187053	1/2 - 1 Mile NNE
BI424	AZ9000000106330	1/2 - 1 Mile NNE
BI425	AZ9000000102013	1/2 - 1 Mile NNE
BI426	AZ9000000102015	1/2 - 1 Mile NNE
BE427	AZDEQ1000049513	1/2 - 1 Mile NE
BM428	AZDEQ1000036630	1/2 - 1 Mile NE
BE429	AZDEQ1000000982	1/2 - 1 Mile NE
BL430	AZDEQ1000049396	1/2 - 1 Mile SSE
BM431	AZDEQ1000049524	1/2 - 1 Mile NE
BE432	AZDEQ1000049403	1/2 - 1 Mile NE
BN433	AZDEQ1000028685	1/2 - 1 Mile SSW
BK434	AZDEQ1000049507	1/2 - 1 Mile NE
BO435	AZDEQ1000049409	1/2 - 1 Mile NNE
BK436	AZDEQ1000049508	1/2 - 1 Mile ENE
BK438	AZDEQ1000049526	1/2 - 1 Mile ENE
BK439	AZDEQ1000049509	1/2 - 1 Mile ENE
BE440	AZDEQ1000049413	1/2 - 1 Mile NE
BE441	AZDEQ1000049416	1/2 - 1 Mile NE
BE442	AZDEQ1000036629	1/2 - 1 Mile NE
BE443	AZDEQ1000049414	1/2 - 1 Mile NE
444	AZ9000000158514	1/2 - 1 Mile NNW
BI445	AZDEQ1000049406	1/2 - 1 Mile NNE
BI447	AZDEQ1000049408	1/2 - 1 Mile NNE
BI449	AZDEQ1000049163	1/2 - 1 Mile NNE
BI450	AZDEQ1000049498	1/2 - 1 Mile NNE
BH451	AZ9000000113386	1/2 - 1 Mile North
BQ452	AZDEQ1000028666	1/2 - 1 Mile North
BQ453	AZ9000000087750	1/2 - 1 Mile North
BQ454	AZ9000000174826	1/2 - 1 Mile North
BP455	AZDEQ1000028687	1/2 - 1 Mile SSW
BI456	AZDEQ1000049404	1/2 - 1 Mile NNE
BR457	AZ9000000176674	1/2 - 1 Mile SSW
BR458	AZ9000000176675	1/2 - 1 Mile SSW
BG459	AZ9000000126218	1/2 - 1 Mile NE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
BG460	AZ9000000126219	1/2 - 1 Mile NE
BG461	AZ9000000126220	1/2 - 1 Mile NE
BG462	AZ9000000126217	1/2 - 1 Mile NE
BG463	AZ9000000013054	1/2 - 1 Mile NE
BG464	AZ9000000063432	1/2 - 1 Mile NE
BG465	AZ9000000068709	1/2 - 1 Mile NE
BG466	AZ9000000187033	1/2 - 1 Mile NE
BG467	AZ9000000187058	1/2 - 1 Mile NE
BG468	AZ9000000189008	1/2 - 1 Mile NE
BG469	AZ9000000187032	1/2 - 1 Mile NE
BG470	AZ9000000187029	1/2 - 1 Mile NE
BG471	AZ9000000187030	1/2 - 1 Mile NE
BG472	AZ9000000187031	1/2 - 1 Mile NE
473	AZDEQ1000049174	1/2 - 1 Mile NNE
BS474	AZ9000000102024	1/2 - 1 Mile ENE
BT475	AZDEQ1000049182	1/2 - 1 Mile NE
BT476	AZDEQ1000028671	1/2 - 1 Mile NE
BL477	AZDEQ1000049391	1/2 - 1 Mile SSE
BL478	AZDEQ1000049553	1/2 - 1 Mile SSE
BM479	AZ9000000122376	1/2 - 1 Mile NE
BM480	AZ9000000122377	1/2 - 1 Mile NE
BM481	AZ9000000030633	1/2 - 1 Mile NE
BM482	AZ9000000047453	1/2 - 1 Mile NE
BM483	AZ9000000122844	1/2 - 1 Mile NE
BM484	AZ9000000122845	1/2 - 1 Mile NE
BM485	AZ9000000122378	1/2 - 1 Mile NE
BM486	AZ9000000122379	1/2 - 1 Mile NE
BM487	AZDEQ1000000975	1/2 - 1 Mile NE
489	AZ9000000142028	1/2 - 1 Mile NNW
BU490	AZ9000000110273	1/2 - 1 Mile SE
BU491	AZ9000000110272	1/2 - 1 Mile SE
BU492	AZ9000000110274	1/2 - 1 Mile SE
BU493	AZ9000000110276	1/2 - 1 Mile SE
BU494	AZ9000000110275	1/2 - 1 Mile SE
BS495	AZDEQ1000049170	1/2 - 1 Mile ENE
BU496	AZDEQ1000049551	1/2 - 1 Mile SSE
BO498	AZDEQ1000044413	1/2 - 1 Mile NNE
BO499	AZ9000000200184	1/2 - 1 Mile NNE
BO500	AZ9000000200185	1/2 - 1 Mile NNE
BO501	AZ9000000084183	1/2 - 1 Mile NNE
BO502	AZ9000000107859	1/2 - 1 Mile NNE
BO503	AZ9000000200188	1/2 - 1 Mile NNE
BO504	AZ9000000200189	1/2 - 1 Mile NNE
BO505	AZ9000000200186	1/2 - 1 Mile NNE
BO506	AZ9000000200187	1/2 - 1 Mile NNE
BO507	AZ9000000047454	1/2 - 1 Mile NNE
BO508	AZ9000000061741	1/2 - 1 Mile NNE
BO509	AZ9000000025193	1/2 - 1 Mile NNE
BO510	AZ9000000047452	1/2 - 1 Mile NNE
BO511	AZ9000000061744	1/2 - 1 Mile NNE
BO512	AZ9000000082888	1/2 - 1 Mile NNE
BO513	AZ9000000061742	1/2 - 1 Mile NNE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
BO514	AZ9000000061743	1/2 - 1 Mile NNE
BO515	AZ9000000200202	1/2 - 1 Mile NNE
BO516	AZ9000000203357	1/2 - 1 Mile NNE
BO517	AZ9000000200199	1/2 - 1 Mile NNE
BO518	AZ9000000200200	1/2 - 1 Mile NNE
BO519	AZ9000000203364	1/2 - 1 Mile NNE
BO520	AZ9000000203365	1/2 - 1 Mile NNE
BO521	AZ9000000203362	1/2 - 1 Mile NNE
BO522	AZ9000000203363	1/2 - 1 Mile NNE
BO523	AZ9000000200192	1/2 - 1 Mile NNE
BO524	AZ9000000200193	1/2 - 1 Mile NNE
BO525	AZ9000000200190	1/2 - 1 Mile NNE
BO526	AZ9000000200191	1/2 - 1 Mile NNE
BO527	AZ9000000200196	1/2 - 1 Mile NNE
BO528	AZ9000000200198	1/2 - 1 Mile NNE
BO529	AZ9000000200194	1/2 - 1 Mile NNE
BO530	AZ9000000200195	1/2 - 1 Mile NNE
531	AZ9000000170332	1/2 - 1 Mile SW
BU533	AZDEQ1000049552	1/2 - 1 Mile SSE
BO534	AZDEQ1000000976	1/2 - 1 Mile NNE
BU536	AZDEQ1000049573	1/2 - 1 Mile SSE
BU537	AZDEQ1000049399	1/2 - 1 Mile SSE
BU538	AZDEQ1000049556	1/2 - 1 Mile SSE
BV539	AZ9000000121995	1/2 - 1 Mile NNE
BV540	AZ9000000121996	1/2 - 1 Mile NNE
BV541	AZ9000000105561	1/2 - 1 Mile NNE
BV542	AZ9000000121994	1/2 - 1 Mile NNE
BV543	AZ9000000121997	1/2 - 1 Mile NNE
BV544	AZ9000000122000	1/2 - 1 Mile NNE
BV545	AZ9000000189365	1/2 - 1 Mile NNE
BV546	AZ9000000121998	1/2 - 1 Mile NNE
BV547	AZ9000000121999	1/2 - 1 Mile NNE
548	AZDEQ1000036560	1/2 - 1 Mile ENE
549	AZDEQ1000049374	1/2 - 1 Mile SSE
BU550	AZDEQ1000049398	1/2 - 1 Mile SSE
BO551	AZDEQ1000044411	1/2 - 1 Mile NNE
552	AZDEQ1000049165	1/2 - 1 Mile NE
BU553	AZDEQ1000049550	1/2 - 1 Mile SSE
BT554	AZDEQ1000049180	1/2 - 1 Mile NE

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
A1 NW 0 - 1/8 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000102255
A2 NW 0 - 1/8 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000102256
A3 NW 0 - 1/8 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000102257
4 SSW 1/8 - 1/4 Mile Higher	Click here for full text details	AQUIFLOW	49438
B5 SSE 1/8 - 1/4 Mile Higher	Click here for full text details	FED USGS	USGS40000037172
B6 SSE 1/8 - 1/4 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000149882
C7 NNW 1/8 - 1/4 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000070938
C8 NNW 1/8 - 1/4 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000201844

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
D9 NE 1/8 - 1/4 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049533
E10 WNW 1/8 - 1/4 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000087900
E11 WNW 1/8 - 1/4 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000087901
B12 SSE 1/8 - 1/4 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000028672
13 SE 1/8 - 1/4 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000065463
D14 NE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000173937
15 ENE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000210500
16 North 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000207568
F17 SSW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000077714

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
F18 SSW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000039823
F19 SSW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000077716
F20 SSW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000077715
G21 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000078223
G22 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000078224
G23 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000046719
G24 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000078222
G25 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000083974
G26 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000083975

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
G27 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000078225
G28 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000078226
H29 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000053910
I30 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049384
I31 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000126877
I32 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000126876
I33 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000126879
I34 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000126878
I35 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000051667

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
I36 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ900000051666
I37 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000126875
I38 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000126874
I39 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000174404
I40 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000127351
I41 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000174834
I42 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000174405
I43 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000126881
I44 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000126880

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
I45 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000126883
I46 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000126882
I47 WNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049473
J48 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049571
K49 NE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000183691
K50 NE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000046714
K51 NE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000211894
K52 NE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000210501
J53 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049547

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
I54 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049472
I55 WNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049383
G56 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000044386
L57 NNE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000183692
L58 NNE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000207566
J59 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049392
I60 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049476
I61 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049496
62 SW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000161425

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
M63 WNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049475
I64 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049387
I65 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049385
I66 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049530
I67 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049591
J68 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000062437
J69 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000062438
J70 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000062439
N71 WSW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000109669

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
M72 WNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049479
M73 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049529
M74 WNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000053908
M75 WNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000053907
M76 WNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000051665
M77 WNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000053909
M78 WNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000104202
M79 WNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000087899
M80 WNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000087898

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
I81 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049488
M82 WNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049471
I83 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049386
I84 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049489
O85 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049593
I86 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049531
I87 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049490
H88 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049326
I89 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049491

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
190 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049528
91 WSW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000173943
P92 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000036670
P93 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000036669
194 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049492
P95 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000036667
O96 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049495
O97 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049494
Q98 NE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000207922

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
Q99 NE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000207921
Q100 NE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000183690
Q101 NE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000211895
Q102 NE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000210502
Q103 NE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000207923
O104 West 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049493
O105 West 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049588
N106 WSW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049480
P107 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000044384

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
R108 South 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000067552
R109 South 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000121843
S110 North 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000079584
S111 North 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000110277
P112 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000044385
P113 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000068103
P114 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000072500
P115 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000061698
P116 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000007680

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
P117 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ900000061619
P118 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ900000085259
P119 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ900000210002
P120 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ900000085252
P121 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ900000074304
P122 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ900000085251
P123 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000036668
124 SW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000173946
T125 ENE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000204694

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
T126 ENE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000211893
O127 West 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000173944
P128 North 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000036666
129 West 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000174403
130 NNE 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000205924
U131 East 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000097663
U132 East 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000204922
U133 East 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000211729
V134 SSW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000173947

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
135 NNW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000046709
W136 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049485
137 WSW 1/4 - 1/2 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000173945
138 South 1/4 - 1/2 Mile Higher	Click here for full text details	AQUIFLOW	49615
W139 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000126872
W140 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000126871
W141 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000126870
W142 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000174390
W143 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000174389

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
W144 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000126873
W145 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000124053
W146 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000124052
W147 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000051664
W148 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000126869
W149 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000126868
W150 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000124054
W151 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000174399
W152 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000174398

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
W153 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000174397
W154 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000174402
W155 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000174401
W156 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000174400
W157 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000174393
W158 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000174392
W159 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000174391
W160 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000174396
W161 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000174395

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
W162 WNW 1/4 - 1/2 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000174394
W163 WNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049544
W164 WNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049541
W165 WNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049542
V166 SSW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049517
W167 WNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049543
X168 North 1/2 - 1 Mile Lower	Click here for full text details	AQUIFLOW	49610
W169 WNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049470
W170 WNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049540

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
W171 WNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049539
W172 WNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049534
W173 WNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049538
W174 WNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049536
W175 WNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049537
W176 WNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049545
W177 WNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049546
W178 WNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049452
W179 WNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049535

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
Y180 West 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000174388
Y181 West 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000182411
Y182 West 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000053911
Y183 West 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000174387
Y184 West 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000208680
Y185 West 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000210001
Y186 West 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000185956
Y187 West 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000198589
Z188 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000000980

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
Z189 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000049476
Z190 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000198535
Y191 West 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049482
AA192 ENE 1/2 - 1 Mile Higher	Click here for full text details	FRDS PWS	AZ0420197
AB193 WNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049478
W194 WNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049484
AB195 WNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049483
AB196 NW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000009739
AB197 NW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000104203

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation	Click here for full text details	Database	EDR ID Number
AB198 NW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000123113
AC199 South 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000005528
AC200 South 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000093876
AA201 ENE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000209771
X202 North 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000022080
X203 North 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000022079
X204 North 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000022461
X205 North 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000205488
X206 North 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000173930

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
Z207 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ100000981
Z208 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ100000972
209 West 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000109667
210 SSW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000094952
AD211 WNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049487
AD212 WNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049474
213 WSW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000109668
AD214 WNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049592
AD215 WNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000173939

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
AD216 WNW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000173940
AE217 WSW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049481
AF218 NW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000123114
AG219 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000108036
AG220 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000040830
AG221 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000189354
AG222 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000188937
AH223 West 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049337
AI224 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049809

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
225 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000167820
AJ226 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049595
AF227 NW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049486
AH228 West 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000061024
AE229 WSW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000173942
AJ230 NE 1/2 - 1 Mile Higher	Click here for full text details	AQUIFLOW	49653
AK231 South 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000005560
AK232 South 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000081189
AL233 North 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000011345

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
AL234 North 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000015598
AL235 North 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000183741
AJ236 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000046718
AJ237 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000031141
AJ238 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000031139
AJ239 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000173936
AJ240 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000203716
AJ241 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000189352
AJ242 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000174379

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
AI243 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049497
AM244 West 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000173941
AM245 West 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000028673
AJ246 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049810
AM247 West 1/2 - 1 Mile Higher	Click here for full text details	FED USGS	USGS40000037225
248 SSW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000081188
AI249 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000173933
AI250 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000173934
AI251 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000173935

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
AI252 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000028670
253 SW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000193880
254 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000173929
255 SW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000174837
AN256 NW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000021338
AO257 NNE 1/2 - 1 Mile Higher	Click here for full text details	FED USGS	USGS40000037341
258 SSE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000065470
AO259 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049771
AP260 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000107944

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
AP261 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000189355
AQ262 SSW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000028684
AQ263 SSW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000117083
AQ264 SSW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000148615
AP265 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049179
AN266 NW 1/2 - 1 Mile Lower	Click here for full text details	AQUIFLOW	49458
AR267 SE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000153768
AR268 SE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000153769
AS269 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000065714

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
AS270 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000075318
AS271 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000189351
AT272 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000041535
AU273 ESE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049424
AU274 ESE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000101296
AU275 ESE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000101297
AU276 ESE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000101298
AU277 ESE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000101295
AU278 ESE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000101292

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
AU279 ESE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000101293
AU280 ESE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000101294
AU281 ESE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000111936
AU282 ESE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000127448
AU283 ESE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000173938
AU284 ESE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000111935
AU285 ESE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000101299
AU286 ESE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000101300
AU287 ESE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000101393

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
AT288 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000075316
AT289 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000075317
AT290 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000102023
AV291 ENE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049172
AT292 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000041534
AU293 SE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049423
AT294 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000041533
295 SSE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049373
AW296 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000116103

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
AW297 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000116102
AW298 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000207539
AW299 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000174832
300 East 1/2 - 1 Mile Higher	Click here for full text details	AQUIFLOW	49557
AU301 SE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049422
AT302 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000001023
AS303 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000041532
AT304 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000001130
AW305 NE 1/2 - 1 Mile Higher	Click here for full text details	AQUIFLOW	49561

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
AT306 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000041778
AT307 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000041779
308 SSW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000193870
AU309 SE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049421
AX310 SSE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000098340
AX311 SSE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000098341
AX312 SSE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000098342
AU313 SE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049418
AT314 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000041780

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
AY315 WSW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000174835
AY316 WSW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000174836
AT317 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000041536
AZ318 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000121340
AZ319 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000120879
AZ320 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000121342
AZ321 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000121341
AZ322 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000120878
AZ323 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000120875

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
AZ324 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ900000022271
AZ325 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000120877
AZ326 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000120876
AZ327 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000121343
AZ328 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000121350
AZ329 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000121349
AZ330 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000121352
AZ331 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000121351
AZ332 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000121348

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
AZ333 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000121345
AZ334 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000121344
AZ335 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000121347
AZ336 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000121346
BA337 SSW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000017149
BA338 SSW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000075938
AT339 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000001131
AU340 SE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000000979
BB341 SSW 1/2 - 1 Mile Higher	Click here for full text details	FED USGS	USGS40000037124

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
342 North 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000198530
BC343 ENE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000025335
BC344 ENE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000102025
AW345 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000028669
BC346 ENE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049167
AV347 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000041537
BD348 NE 1/2 - 1 Mile Higher	Click here for full text details	AQUIFLOW	49628
BD349 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000041531
BE350 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049171

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
BF351 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000107945
BF352 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000189357
BD353 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000075312
BD354 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000075311
BD355 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000075310
BD356 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000075319
BD357 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000075314
BD358 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000075313
BD359 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000054263

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
BD360 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000054262
BD361 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000047869
BD362 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000075309
BD363 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000063433
BD364 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000054264
BD365 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000087414
BD366 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000087413
BD367 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000084384
BD368 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000174386

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
BD369 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000118681
BD370 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000118680
BD371 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000082895
BD372 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000077284
BD373 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000077283
BD374 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000082898
BD375 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000082897
BD376 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000082896
BB377 SSW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000030827

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
BB378 SSW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000087545
BB379 SSW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000169872
BE380 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000046713
BE381 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000049475
BE382 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000102018
BE383 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000019014
BE384 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000030632
BE385 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000046712
BE386 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000104135

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
BE387 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000118678
BE388 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000118679
BE389 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000103456
BE390 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000104133
BE391 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000104134
BE392 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049173
BD393 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049586
BD394 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049587
BG395 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049511

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
BD396 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049527
BD397 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049512
BG398 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000036631
BH399 North 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000049330
BI400 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049177
BE401 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049510
BJ402 SW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000028688
BJ403 SW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000028689
BJ404 SW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000148614

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
BJ405 SW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000157196
406 ESE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000025337
BK407 ENE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000075315
BK408 ENE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000198534
BL409 SSE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000065469
BD410 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049515
BG411 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049514
BE412 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049525
BM413 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049516

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
BL414 SSE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049395
BM415 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049405
BI416 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000083380
BI417 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000083669
BI418 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000006834
BI419 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000006832
BI420 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000006833
BI421 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000083672
BI422 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000173932

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
BI423 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000187053
BI424 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000106330
BI425 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000102013
BI426 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000102015
BE427 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049513
BM428 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000036630
BE429 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000000982
BL430 SSE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049396
BM431 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049524

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
BE432 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049403
BN433 SSW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000028685
BK434 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049507
BO435 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049409
BK436 ENE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049508
BI437 NNE 1/2 - 1 Mile Higher	Click here for full text details	FED USGS	USGS40000037361
BK438 ENE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049526
BK439 ENE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049509
BE440 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049413

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
BE441 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049416
BE442 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000036629
BE443 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049414
444 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000158514
BI445 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049406
BP446 SSW 1/2 - 1 Mile Higher	Click here for full text details	FED USGS	USGS40000037103
BI447 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049408
BQ448 North 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000037382
BI449 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049163

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
BI450 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049498
BH451 North 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000113386
BQ452 North 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZDEQ1000028666
BQ453 North 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000087750
BQ454 North 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000174826
BP455 SSW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000028687
BI456 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049404
BR457 SSW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000176674
BR458 SSW 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000176675

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
BG459 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000126218
BG460 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000126219
BG461 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000126220
BG462 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000126217
BG463 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000013054
BG464 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000063432
BG465 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000068709
BG466 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000187033
BG467 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000187058

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
BG468 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000189008
BG469 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000187032
BG470 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000187029
BG471 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000187030
BG472 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000187031
473 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049174
BS474 ENE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000102024
BT475 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049182
BT476 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000028671

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
BL477 SSE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049391
BL478 SSE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049553
BM479 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000122376
BM480 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000122377
BM481 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000030633
BM482 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000047453
BM483 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000122844
BM484 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000122845
BM485 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000122378

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
BM486 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000122379
BM487 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000000975
BN488 SSW 1/2 - 1 Mile Higher	Click here for full text details	FED USGS	USGS40000037105
489 NNW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000142028
BU490 SE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000110273
BU491 SE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000110272
BU492 SE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000110274
BU493 SE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000110276
BU494 SE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000110275

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
BS495 ENE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049170
BU496 SSE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049551
BO497 NE 1/2 - 1 Mile Higher	Click here for full text details	FED USGS	USGS40000037360
BO498 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000044413
BO499 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000200184
BO500 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000200185
BO501 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000084183
BO502 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000107859
BO503 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000200188

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
BO504 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000200189
BO505 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000200186
BO506 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000200187
BO507 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000047454
BO508 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000061741
BO509 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000025193
BO510 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000047452
BO511 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000061744
BO512 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000082888

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
BO513 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ900000061742
BO514 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ900000061743
BO515 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000200202
BO516 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000203357
BO517 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000200199
BO518 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000200200
BO519 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000203364
BO520 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000203365
BO521 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000203362

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
BO522 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000203363
BO523 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000200192
BO524 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000200193
BO525 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000200190
BO526 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000200191
BO527 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000200196
BO528 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000200198
BO529 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000200194
BO530 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000200195

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
531 SW 1/2 - 1 Mile Lower	Click here for full text details	AZ WELLS	AZ9000000170332
532 SE 1/2 - 1 Mile Higher	Click here for full text details	AQUIFLOW	49575
BU533 SSE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049552
BO534 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000000976
535 North 1/2 - 1 Mile Lower	Click here for full text details	FED USGS	USGS40000037386
BU536 SSE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049573
BU537 SSE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049399
BU538 SSE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049556
BV539 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000121995

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
BV540 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000121996
BV541 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000105561
BV542 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000121994
BV543 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000121997
BV544 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000122000
BV545 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000189365
BV546 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000121998
BV547 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZ9000000121999
548 ENE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000036560

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
549 SSE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049374
BU550 SSE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049398
BO551 NNE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000044411
552 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049165
BU553 SSE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049550
BT554 NE 1/2 - 1 Mile Higher	Click here for full text details	AZ WELLS	AZDEQ1000049180
1G NE 1/2 - 1 Mile Lower	Click here for full text details	AQUIFLOW	49561
2G NE 1/2 - 1 Mile Lower	Click here for full text details	AQUIFLOW	49628
3G NE 1/2 - 1 Mile Lower	Click here for full text details	AQUIFLOW	49653

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
4G North 1/2 - 1 Mile Lower	Click here for full text details	AQUIFLOW	49610
5G NW 1/2 - 1 Mile Lower	Click here for full text details	AQUIFLOW	49458
6G East 1/2 - 1 Mile Lower	Click here for full text details	AQUIFLOW	49557
7G SSW 1/8 - 1/4 Mile Lower	Click here for full text details	AQUIFLOW	49438
8G South 1/4 - 1/2 Mile Lower	Click here for full text details	AQUIFLOW	49615
9G SE 1/2 - 1 Mile Lower	Click here for full text details	AQUIFLOW	49575

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: AZ Radon

Radon Test Results (pCi/L)

Zip	City	Result (pCi/L)
85701	TUCSON	= 2.50
85701	TUCSON	= 3.00

Federal EPA Radon Zone for PIMA County: 2

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

Federal Area Radon Information for Zip Code: 85701

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	2.500 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

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.

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

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

State Wetlands Data: Riparian Vegetation Associated with Perennial Waters

Source: State Land Department

Telephone: 602-542-4094

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

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

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

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

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Arizona Well Registration Database

Source: Department of Water Resources

Telephone: 602-771-8535

The Wells database contains all wells registered in the state.

Water Well Information

Agency: Department of Environmental Quality

Telephone: 602-771-2300

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database

Source: Arizona Geological Survey

Telephone: 520-770-3500

This database contains Oil and Gas wells in the State of Arizona. Includes all wells that have been permitted by the State Oil and Gas Conservation Commission (OGCC). Gas wells include natural gas, helium, and carbon dioxide wells.

RADON

State Database: AZ Radon

Source: Arizona Radiation Regulatory Agency

Telephone: 602-255-4845

State Indoor Radon Survey

Area Radon Information

Source: USGS

Telephone: 703-356-4020

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

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

OTHER

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

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

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

STREET AND ADDRESS INFORMATION

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**APPENDIX E
CREDENTIALS**

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DEREK D. KOLLER, CIH, CHMM

OFFICE MANAGER / ENVIRONMENTAL DEPT. MANAGER
ENVIRONMENTAL PROFESSIONAL

PROFESSIONAL EXPERIENCE

Mr. Koller, the Office and Environmental Department Manager of the Tucson office, has 10 years of environmental consulting experience in Tucson and Pima County. Mr. Koller is a Certified Industrial Hygienist, a Certified Hazardous Material Manager, an Environmental Professional as defined by ASTM 1527-13 (EP), and a Terracon Authorized Project Reviewer for Phase I ESAs and Asbestos Surveys. His primary responsibilities include overseeing and conducting: Phase I Environmental Site Assessments (ESAs) compliant with the All Appropriate Inquiry (AAI) standard using ASTM E1527-13, NESHAP-Compliant Asbestos Surveys, Asbestos Abatement Oversight, Lead Paint Surveys, and Phase II ESAs and Limited Site Investigations (LSIs aka Limited Phase II ESAs) which have included subsurface soil, soil vapor, groundwater investigations, and subsequent site remediations, as warranted. Mr. Koller has prepared site-specific Health and Safety Plans (HASP) for Phase II ESAs, LSIs, and asbestos projects and numerous EPA-compliant Sampling and Analysis Plans (SAPs) for subsurface soil and soil vapor investigations and asbestos and lead paint surveys. Mr. Koller has been the primary lead, Project Manager (PM), and/or EP in the preparation of more than 700 Phase I ESAs that have included industrial, commercial, and residential properties for both government and private sector clients. Mr. Koller has assisted with over 100 Phase II ESAs (including HASP and SAP Preparation on many of those projects), more than 200 Asbestos Surveys, over 75 Lead-Based Paint Inspections, and Industrial Hygiene (IH) projects for aerospace, construction, manufacturing, medical, railroad, and gas/oil clients. IH Services have included IH Plan development, ventilation surveys, personnel exposure monitoring including noise, silica, and other hazards, sound mapping, and indoor air quality (IAQ) and mold assessments.

SELECT PROJECT EXPERIENCE

City of Tucson Road-Widening Projects (Broadway, Grant, and 22nd)

Mr. Koller has been the PM and/or EP for Phase I ESAs for over 90 sites affected by the Broadway Boulevard, Grant Road, and 22nd Street Road-Widening projects. Subsequent work at these sites has included over 40 Asbestos Surveys, 20 Lead Paint XRF Screenings or Surveys (which in many cases included Toxicity Characteristic Leaching Procedure (TCLP) Sampling to characterize the demolition waste stream), and 10 Limited Phase II ESAs including soil vapor investigations. Environmental Due Diligence work performed along the Grant Road Corridor included a Phase I ESA and Soil Vapor Investigation which led to the subsequent discovery and designation of the Stone Avenue and Grant Road Water Quality Assurance Revolving Fund (WQARF) contaminated groundwater plume.

City of Tucson Brownfields Sites

City of Tucson was awarded a \$400K Community-Wide Assessment Grant in 2014. Mr. Koller marketed Brownfields Grant opportunities to Terracon's extensive client base and performed community reconnaissance to identify sites as potential candidates for Brownfields funding. Terracon then worked with the City and guided clients through the eligibility determination process through ADEQ (Petroleum Product Sites) and EPA (Hazardous Substances Sites) by completing the eligibility determination forms on behalf of the City to verify a site was eligible for grant funding. Mr. Koller acted as the PM and EP on 5 Phase I ESAs for sites that resulted in 4 Phase II ESAs, one of which included the removal of four previously unregistered USTs. For each Phase II ESA, Terracon prepared EPA-compliant SAPs which adhered to the stringent quality assurance and quality control protocols required by EPA. In addition to standard due diligence services, Mr. Koller acted as PM and oversaw the completion of 4 Asbestos and Lead Paint Surveys which also required EPA-compliant SAPs for EPA review prior to initiating sampling.

[^]Project Work Performed while at another firm

Education

Master of Public Health

*Public Health: Env & Occ Health
University of Arizona, 2019
Final GPA: 4.0*

Bachelor of Science

*Public Health: Environmental and Occupational Safety and Health,
University of Arizona, 2016
Graduated Magna Cum Laude*

Professional Registrations

Certified Industrial Hygienist

Certified Hazardous Materials Manager

*Certified Occupational Hearing
Conservationist*

Certifications

OSHA 40-hour HAZWOPER

MSHA 24-hour

AHERA Asbestos Building Inspector

AHERA Asbestos Abatement C/S

AHERA Asbestos Project Designer

EPA Lead-Based Paint Risk Assessor

Affiliations

Tucson Clean and Beautiful (TC&B)

Board of Directors 2019-Present

Southern Arizona Environmental Management Society (SAEMS)

Member, President: 2015-2016

Volunteer of the Year 2016 - 2017

American Society of Safety Professionals

American Industrial Hygiene Association

Environmental Professionals of AZ

Environmental Information Association

Southern Arizona Chapter CCIM

Associate Member

Community Involvement

Terracon Foundation: Since 2014

Championed ~50K in competitive grants for University of Arizona's College of Public Health and College of Civil Engineering, TC&B, SAEMS, and SARSEF.

City of Tucson Household

Hazardous Waste, Volunteer

Work History

Terracon Consultants, Inc.

Office Manager, 2018- Present

Env. Dept. Manager, 2016-Present

Project Manager, 2014-2016

Allywn Environmental

Environmental Specialist, 2008-2014



Two Aircraft Salvage Yards (Confidential Client) – Tucson, Pima County, Arizona

Mr. Koller worked as the PM for Environmental Investigations at two former Aircraft Salvage yards in Tucson, Arizona. Terracon was selected for the project after another firm performed a Phase I ESA for one of the sites. Subsequently, Terracon performed a Phase I ESA for the other site which identified several RECs associated with former furnace and aluminum recycling operations at the site. For Both sites, Mr. Koller was the PM for the LSIs and utilized an ITRC Multi-Incremental Sampling (MIS) Soil Sampling Strategy to delineate metal impacts to soils, participated in and/or provided supervision for fieldwork, and prepared final reports for review by senior personnel. The first site was not found to be impacted and resulted in the successful sale of the site in a real estate transaction. The second site was found to be impacted and Mr. Koller and the P.E. designed a multi-tiered sampling strategy to better delineate the extent of impacted soil. Once impacts were better delineated, Mr. Koller served as the PM for the Limited Remedial Action Plan (LRAP) and successfully removed approximately 158 tons of impacted soils from the site for disposal as hazardous waste. During the transport/disposal process, Mr. Koller and his team worked with the disposal facility to correctly profile the waste.

Project Cactus (Scannell Properties) – Tucson, Pima County, Arizona

Terracon was selected to perform a Phase I ESA for three non-contiguous tracts of land. Mr. Koller served as EP for the Phase I ESA which identified several RECS in connection with former uses at the site and served as PM for an Asbestos Survey and subsequent Asbestos Abatement for the site facility prior to demolition. Prior to initiating the subsurface soil investigation, Mr. Koller oversaw the completion of an electromagnetic and limited ground-penetrating radar study to identify subsurface anomalies. Mr. Koller then worked with the P.E. and the end user's senior due diligence personnel to develop a cost-effective multi-tiered sampling strategy to delineate impacts at the site by installing test pits which were also used in Terracon's geotechnical study. As a result, impacts were identified, and Mr. Koller oversaw the implementation of a Soil Management Plan at the site and Soil Management Oversight in areas found not to be impacted and where earthwork for new development was commencing. Mr. Koller also served as PM for the LRAP implemented at the site. By the end of the project, 2,260 tons of soils characterized as special waste (non-hazardous) were removed from the site (97 Trucks). Soils were characterized prior to transport and disposed of at an appropriate landfill. Terracon was then selected to prepare a Phase I ESA for an additional non-contiguous tract of land with similar historic uses for which Mr. Koller acted as EP. The second Phase I ESA also identified RECS and a LSI similar scope of work was used to characterize this site, which was found not be impacted; however, a Soil Management Plan will be implemented at the second site during construction.

Affordable HUD Multi-Family Housing Projects (Various Clients) – Tucson, Pima County, Arizona

Mr. Koller served as PM for environmental due diligence services for two proposed multi-family HUD-Market Rate housing developments (7th Ave Commons and Valencia Crossing). Mr. Koller served as PM for two HUD-Compliant Phase I ESAs and, with the EP, assembled a team to also prepare Limited NEPA Assessments, Culture Resources Review, and HUD-Complaint Environmental Report Reviews (ERRs). At one site, an LSI was recommended based on historical uses and proximity to a perched contaminated groundwater plume. The LSI Included both a subsurface soil investigation and sub-slab soil vapor investigation. Additionally, both sites proximity to railroad lines, airports, and/or major roads warranted a community noise assessment per HUD guidelines where Mr. Koller worked with the CIH to run microphones on a 24-hour cycle to assess noise levels at the site.

City of Tucson Site Acquisitions and Brownfields Projects[^]

Prior to being employed at Terracon, Mr. Koller had prepared over 60 Phase I ESAs for the EPs approval and conducted 50 Asbestos Surveys on City projects. Subsequent work on these sites included more than 15 Phase II ESAs. In regard to the Phase II ESAs, Mr. Koller prepared the Site-Specific HASPs and SAPs and assisted with and/or planned field investigations which included subsurface soil investigations, and exploratory excavations. Other City projects have included a well closure, two geophysical survey oversights, two UST Closures, and the remediation of an X-Ray Room at a former medical facility.

Pima County, Santa Cruz County, and City of South Tucson Brownfields Projects[^]

Prior to working for Terracon, Mr. Koller was employed by a firm that worked on the following Brownfields Community-Wide Assessment Grants for the following entities: Pima County (Flowing Wells [Awarded FY 2008] and Ajo/Why/Lukeville [Awarded FY 2009]); Santa Cruz County (Lochiel/Nogales/Patagonia [Awarded FY 2006]); and, City of South Tucson (Awarded FY 2009). During those grant cycles, Mr. Koller prepared over 90 Phase I ESAs for the EPs approval and conducted over 35 Asbestos Surveys and 25 Lead Paint inspections. Subsequent work consisted of over 15 Phase II ESAs where Mr. Koller assisted the P.E. in preparing the scope of work, prepared Site-Specific HASPs and EPA-compliant SAPs, and conducted field work which primarily consisted of subsurface soil sampling. Standout Phase II ESA project consisted of using a multi-incremental composite sampling approach to assess soil impacts at several properties adjacent to a small-arms shooting range. Mr. Koller periodically performed community reconnaissance to identify potential Brownfields sites and subsequently created and completed forms to track redevelopment, valuation, and job creation at the assessed sites.

[^]Project Work Performed while at another firm

Sierra Jaquay

Staff Scientist

PROFESSIONAL EXPERIENCE

- Staff Scientist
- Office Location
 - Sierra is a staff scientist in Terracon's Tucson, AZ office.
- Overview of main day-to-day responsibilities.
 - Sierra performs Phase I Environmental Site Assessments (ESAs).
- Assessments performed include residential, commercial, industrial, and agricultural facilities in the Tucson and Phoenix areas.
- Additional experience includes the assistance with proposals, Phase II ESAs, pesticide/herbicide screening, mold remediation, and soil, soil vapor, and indoor air quality sampling.

PROJECT EXPERIENCE

Vacant Lot at South Dodge Boulevard and East Golf Links Road – Tucson, Arizona

Environmental Specialist assisting with a Phase I ESA and a Phase II ESA of a vacant lot consisting of 3.27 acres. Performed the reconnaissance. The site was historically vacant, undeveloped land with natural vegetation since prior to 1936. Documented activities of the Phase II ESA by recording field notes and taking photographs.

Arizona Buying Company Site – Tucson, Arizona

Environmental Specialist assisting with a Phase I ESA by assisting with the site reconnaissance. The property was 1.61 acres and consisted of three structures, two of which were used for storage and the third was an operating business. The exterior of the property was primarily used to store electronic and computer equipment, parts, and supplies and miscellaneous items.

SOC Waiver Project – Tucson, Arizona

Environmental Specialist assisting with the AUL identification of groundwater wells owned and operated by Tucson Water.

EDUCATION

Bachelor of Arts
Environmental Studies,
University of Arizona,
Tucson, AZ

PROFESSIONAL TRAINING

OSHA 40-hour HAZWOPER
OSHA 8-hour HAZWOPER
Refresher Training

AFFILIATIONS

Pima County Real Estate Research
Council
Southern Arizona Environmental
Management Society

Sierra Jaquay

Former Lippert Property – Tucson, Arizona

Oversaw the performance of an Electromagnetic Survey conducted by Zonge International, Inc. A service station previously operated on the property between 1946 and 1951. Assisted with the letter report and subsequent sampling activities during the NFA process.

Smith Properties – South Tucson, Arizona

Environmental Specialist assisting with the Phase I ESAs by conducting the site reconnaissance and assisting with the Phase II ESA by assisting with soil sampling retrieved from a direct-push rig and an excavation pit, as well as soil vapor sampling.

City of Tucson Owned Landfills – Tucson, Arizona

Environmental Specialist assisting with the development of the closed landfill reports and 4th Quarter Inspections.

Former Border Patrol Small Arms Firing Range – Nogales, Arizona

Environmental Specialist assisting with the development of the Health and Safety Plan and soil sampling activities.

Proposed Vista Del Verde Littleton Elementary School Site – Phoenix, Arizona

Environmental Specialist conducted a Phase I ESA of vacant land, previously agricultural land, intended for an elementary school.

Jacquelyn Ranch – Phoenix, Arizona

Environmental Specialist conducted a Phase I ESA and pesticide/herbicide soil screening of an approximately 80- acre property consisting of developed and agricultural land.

City of Phoenix Projects – Phoenix, Arizona

Environmental Specialist conducted multiple Phase I ESAs for partial and full acquisitions of developed properties as well as coordinated and secured radio and billboard advertising for the City's January 2020 Stormwater Awareness Week.

APPENDIX F
DESCRIPTION OF TERMS AND ACRONYMS

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Description of Selected General Terms and Acronyms

Term/Acronym	Description
ACM	<p>Asbestos Containing Material. Asbestos is a naturally occurring mineral, three varieties of which (chrysotile, amosite, crocidolite) have been commonly used as fireproofing or binding agents in construction materials. Exposure to asbestos, as well as ACM, has been documented to cause lung diseases including asbestosis (scarring of the lung), lung cancer and mesothelioma (a cancer of the lung lining).</p> <p>Regulatory agencies have generally defined ACM as a material containing greater than one (1) percent asbestos, however some states (e.g. California) define ACM as materials having 0.1% asbestos. In order to define a homogenous material as non-ACM, a minimum number of samples must be collected from the material dependent upon its type and quantity. Homogenous materials defined as non-ACM must either have 1) no asbestos identified in all of its samples or 2) an identified asbestos concentration below the appropriate regulatory threshold. Asbestos concentrations are generally determined using polarized light microscopy or transmission electron microscopy. Point counting is an analytical method to statistically quantify the percentage of asbestos in a sample. The asbestos component of ACM may either be friable or non-friable. Friable materials, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure and have a higher potential for a fiber release than non-friable ACM. Non-friable ACM are materials that are firmly bound in a matrix by plastic, cement, etc. and, if handled carefully, will not become friable.</p> <p>Federal and state regulations require that either all suspect building materials be presumed ACM or that an asbestos survey be performed prior to renovation, dismantling, demolition, or other activities that may disturb potential ACM. Notifications are required prior to demolition and/or renovation activities that may impact the condition of ACM in a building. ACM removal may be required if the ACM is likely to be disturbed or damaged during the demolition or renovation. Abatement of friable or potentially friable ACM must be performed by a licensed abatement contractor in accordance with state rules and NESHAP. Additionally, OSHA regulations for work classification, worker training and worker protection will apply.</p>
AHERA	Asbestos Hazard Emergency Response Act
AST	Aboveground Storage Tanks. ASTs are generally described as storage tanks less than 10% of which are below ground (i.e., buried). Tanks located in a basement, but not buried, are also considered ASTs. Whether, and the extent to which, an AST is regulated, is determined on a case-by-case basis and depends upon tank size, its contents and the jurisdiction of its location.
BGS	Below Ground Surface
Brownfields	State and/or tribal listing of Brownfield properties addressed by Cooperative Agreement Recipients or Targeted Brownfields Assessments.
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes. BTEX are VOC components found in gasoline and commonly used as analytical indicators of a petroleum hydrocarbon release.
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act (a.k.a. Superfund). CERCLA is the federal act that regulates abandoned or uncontrolled hazardous waste sites. Under this Act, joint and several liability may be imposed on potentially responsible parties for cleanup-related costs.
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System. An EPA compilation of sites having suspected or actual releases of hazardous substances to the environment. CERCLIS also contains information on site inspections, preliminary assessments and remediation of hazardous waste sites. These sites are typically reported to EPA by states and municipalities or by third parties pursuant to CERCLA Section 103.
CESQG	Conditionally Exempt Small Quantity Generators
CFR	Code of Federal Regulations

Description of Selected General Terms and Acronyms

Term/Acronym	Description
CREC	Controlled Recognized Environmental Condition is defined in ASTM E1527-13 as “a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority) , with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). A condition considered by the environmental professional to be a controlled recognized environmental condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report.”
DOT	U.S. Department of Transportation
EPA	U.S. Environmental Protection Agency
ERNS	Emergency Response Notification System. An EPA-maintained federal database which stores information on notifications of oil discharges and hazardous substance releases in quantities greater than the applicable reportable quantity under CERCLA. ERNS is a cooperative data-sharing effort between EPA, DOT, and the National Response Center.
ESA	Environmental Site Assessment
FRP	Fiberglass Reinforced Plastic
Hazardous Substance	As defined under CERCLA, this is (A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title; (C) any hazardous waste having characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (with some exclusions); (D) any toxic pollutant listed under section 1317(a) of Title 33; (E) any hazardous air pollutant listed under section 112 of the Clean Air Act; and (F) any imminently hazardous chemical substance or mixture with respect to which the EPA Administrator has taken action under section 2606 of Title 15. This term does not include petroleum, including crude oil or any fraction thereof which is not otherwise listed as a hazardous substance under subparagraphs (A) through (F) above, and the term include natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).
Hazardous Waste	This is defined as having characteristics identified or listed under section 3001 of the Solid Waste Disposal Act (with some exceptions). RCRA, as amended by the Solid Waste Disposal Act of 1980, defines this term as a “solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed.”
HREC	Historical Recognized Environmental Condition is defined in ASTM E1527-13 as “a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time of the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition.”
IC/EC	A listing of sites with institutional and/or engineering controls in place. IC 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. EC 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.
ILP	Innocent Landowner/Operator Program
LQG	Large Quantity Generators
LUST	Leaking Underground Storage Tank. This is a federal term set forth under RCRA for leaking USTs. Some states also utilize this term.

Description of Selected General Terms and Acronyms

Term/Acronym	Description
MCL	Maximum Contaminant Level. This Safe Drinking Water concept (and also used by many states as a ground water cleanup criteria) refers to the limit on drinking water contamination that determines whether a supplier can deliver water from a specific source without treatment.
MSDS	Material Safety Data Sheets. Written/printed forms prepared by chemical manufacturers, importers and employers which identify the physical and chemical traits of hazardous chemicals under OSHA's Hazard Communication Standard.
NESHAP	National Emissions Standard for Hazardous Air Pollutants (Federal Clean Air Act). This part of the Clean Air Act regulates emissions of hazardous air pollutants.
NFRAP	Facilities where there is "No Further Remedial Action Planned," as more particularly described under the Records Review section of this report.
NOV	Notice of Violation. A notice of violation or similar citation issued to an entity, company or individual by a state or federal regulatory body indicating a violation of applicable rule or regulations has been identified.
NPDES	National Pollutant Discharge Elimination System (Clean Water Act). The federal permit system for discharges of polluted water.
NPL	The NPL is the EPA's database of uncontrolled or abandoned hazardous waste facilities that have been listed for priority remedial actions under the Superfund Program.
OSHA	Occupational Safety and Health Administration or Occupational Safety and Health Act
PACM	Presumed Asbestos-Containing Material. A material that is suspected of containing or presumed to contain asbestos but which has not been analyzed to confirm the presence or absence of asbestos.
PCB	Polychlorinated Biphenyl. A halogenated organic compound commonly in the form of a viscous liquid or resin, a flowing yellow oil, or a waxy solid. This compound was historically used as dielectric fluid in electrical equipment (such as electrical transformers and capacitors, electrical ballasts, hydraulic and heat transfer fluids), and for numerous heat and fire sensitive applications. PCB was preferred due to its durability, stability (even at high temperatures), good chemical resistance, low volatility, flammability, and conductivity. PCBs, however, do not break down in the environment and are classified by the EPA as a suspected carcinogen. 1978 regulations, under the Toxic Substances Control Act, prohibit manufacturing of PCB-containing equipment; however, some of this equipment may still be in use today.
pCi/L	picoCuries per Liter of Air. Unit of measurement for Radon and similar radioactive materials.
PLM	Polarized Light Microscopy (see ACM section of the report, if included in the scope of services)
PST	Petroleum Storage Tank. An AST or UST that contains a petroleum product.
Radon	A radioactive gas resulting from radioactive decay of naturally-occurring radioactive materials in rocks and soils containing uranium, granite, shale, phosphate, and pitchblende. Radon concentrations are measured in picoCuries per Liter of Air. Exposure to elevated levels of radon creates a risk of lung cancer; this risk generally increases as the level of radon and the duration of exposure increases. Outdoors, radon is diluted to such low concentrations that it usually does not present a health concern. However, radon can accumulate in building basements or similar enclosed spaces to levels that can pose a risk to human health. Indoor radon concentrations depend primarily upon the building's construction, design and the concentration of radon in the underlying soil and ground water. The EPA recommended annual average indoor "action level" concentration for residential structures is 4.0 pCi/l.
RCRA	Resource Conservation and Recovery Act. Federal act regulating solid and hazardous wastes from point of generation to time of disposal ('cradle to grave'). 42 U.S.C. 6901 et seq.
RCRA Generators	The RCRA Generators database, maintained by the EPA, lists facilities that generate hazardous waste as part of their normal business practices. Generators are listed as either large (LQG), small (SQG), or conditionally exempt (CESQG). LQG produce at least 1000 kg/month of non-acutely hazardous waste or 1 kg/month of acutely hazardous waste. SQG produce 100-1000 kg/month of non-acutely hazardous waste. CESQG are those that generate less than 100 kg/month of non-acutely hazardous waste.
RCRA CORRACTS/TS Ds	The USEPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous materials which are undergoing "corrective action". A "corrective action" order is issued when there is a release of hazardous waste or constituents into the environment from a RCRA facility.
RCRA Non-CORRACTS/TS Ds	The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities which report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.

Description of Selected General Terms and Acronyms

Term/Acronym	Description
RCRA Violators List	RAATS. RCRA Administrative Actions Taken. RAATS information is now contained in the RCRIS database and includes records of administrative enforcement actions against facilities for noncompliance.
RCRIS	Resource Conservation and Recovery Information System, as defined in the Records Review section of this report.
REC	Recognized Environmental Conditions are defined by ASTM E1527-13 as “the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: 1) due to any release to the environment; 2) under conditions indicative of a release to the environment. <i>De minimis</i> conditions are not recognized environmental conditions.”
SCL	State “CERCLIS” List (see SPL /State Priority List, below).
SPCC	Spill Prevention, Control and Countermeasures. SPCC plans are required under federal law (Clean Water Act and Oil Pollution Act) for any facility storing petroleum in tanks and/or containers of 55-gallons or more that when taken in aggregate exceed 1,320 gallons. SPCC plans are also required for facilities with underground petroleum storage tanks with capacities of over 42,000 gallons. Many states have similar spill prevention programs, which may have additional requirements.
SPL	State Priority List. State list of confirmed sites having contamination in which the state is actively involved in clean up activities or is actively pursuing potentially responsible parties for clean up. Sometimes referred to as a State “CERCLIS” List.
SQG	Small Quantity Generator
SWF/LF	State and/or Tribal database of Solid Waste/Landfill facilities. The database information may include the facility name, class, operation type, area, estimated operational life, and owner.
TPH	Total Petroleum Hydrocarbons
TRI	Toxic Release Inventory. Routine EPA report on releases of toxic chemicals to the environment based upon information submitted by entities subject to reporting under the Emergency Planning and Community Right to Know Act.
TSCA	Toxic Substances Control Act. A federal law regulating manufacture, import, processing and distribution of chemical substances not specifically regulated by other federal laws (such as asbestos, PCBs, lead-based paint and radon). 15 U.S.C 2601 et seq.
USACE	United States Army Corps of Engineers
USC	United States Code
USGS	United States Geological Survey
USNRCS	United States Department of Agriculture-Natural Resource Conservation Service
UST	Underground Storage Tank. Most federal and state regulations, as well as ASTM E1527-13, define this as any tank, incl., underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10% or more beneath the surface of the ground (i.e., buried).
VCP	State and/or Tribal facilities included as Voluntary Cleanup Program sites.
VOC	Volatile Organic Compound

Description of Selected General Terms and Acronyms

Term/Acronym	Description
Wetlands	<p>Areas that are typically saturated with surface or ground water that creates an environment supportive of wetland vegetation (i.e., swamps, marshes, bogs). The <u>Corps of Engineers Wetlands Delineation Manual</u> (Technical Report Y-87-1) defines wetlands as areas inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. For an area to be considered a jurisdictional wetland, it must meet the following criteria: more than 50 percent of the dominant plant species must be categorized as Obligate, Facultative Wetland, or Facultative on lists of plant species that occur in wetlands; the soil must be hydric; and, wetland hydrology must be present.</p> <p>The federal Clean Water Act which regulates “waters of the US,” also regulates wetlands, a program jointly administered by the USACE and the EPA. Waters of the U.S. are defined as: (1) waters used in interstate or foreign commerce, including all waters subject to the ebb and flow of tides; (2) all interstate waters including interstate wetlands; (3) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, etc., which the use, degradation, or destruction could affect interstate/ foreign commerce; (4) all impoundments of waters otherwise defined as waters of the U. S., (5) tributaries of waters identified in 1 through 4 above; (6) the territorial seas; and (7) wetlands adjacent to waters identified in 1 through 6 above. Only the USACE has the authority to make a final wetlands jurisdictional determination.</p>

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APPENDIX G
HUD NOISE CALCULATIONS

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DNL Calculator

WARNING: HUD recommends the use of Microsoft Internet Explorer for performing noise calculations. The HUD Noise Calculator has an error when using Google Chrome unless the cache is cleared before each use of the calculator. HUD is aware of the problem and working to fix it in the programming of the calculator.

The Day/Night Noise Level Calculator is an electronic assessment tool that calculates the Day/Night Noise Level (DNL) from roadway and railway traffic. For more information on using the DNL calculator, view the [Day/Night Noise Level Calculator Electronic Assessment Tool Overview \(/programs/environmental-review/daynight-noise-level-electronic-assessment-tool/\)](/programs/environmental-review/daynight-noise-level-electronic-assessment-tool/).

Guidelines

- To display the Road and/or Rail DNL calculator(s), click on the "Add Road Source" and/or "Add Rail Source" button(s) below.
- All Road and Rail input values must be positive non-decimal numbers.
- All Road and/or Rail DNL value(s) must be calculated separately before calculating the Site DNL.
- All checkboxes that apply must be checked for vehicles and trains in the tables' headers.
- **Note #1:** Tooltips, containing field specific information, have been added in this tool and may be accessed by hovering over all the respective data fields (site identification, roadway and railway assessment, DNL calculation results, roadway and railway input variables) with the mouse.
- **Note #2:** DNL Calculator assumes roadway data is always entered.

DNL Calculator

Site ID	Former Flint Oil Site
Record Date	03/05/2020
User's Name	Emily Trimpe & Sierra Jaquay

Road # 1 Name:	Interstate 10
-----------------------	---------------

Road #1

Vehicle Type	Cars <input checked="" type="checkbox"/>	Medium Trucks <input checked="" type="checkbox"/>	Heavy Trucks <input checked="" type="checkbox"/>
Effective Distance	<input type="text" value="583"/>	<input type="text" value="583"/>	<input type="text" value="583"/>
Distance to Stop Sign	<input type="text"/>	<input type="text"/>	<input type="text"/>
Average Speed	<input type="text" value="65"/>	<input type="text" value="65"/>	<input type="text" value="65"/>
Average Daily Trips (ADT)	<input type="text" value="189136"/>	<input type="text" value="7566"/>	<input type="text" value="7566"/>
Night Fraction of ADT	<input type="text" value="15"/>	<input type="text" value="15"/>	<input type="text" value="15"/>
Road Gradient (%)	<input type="text"/>	<input type="text"/>	<input type="text" value="1"/>
Vehicle DNL	<input type="text" value="66.4517"/>	<input type="text" value="62.4726"/>	<input type="text" value="69.3726"/>
<input type="button" value="Calculate Road #1 DNL"/>	<input type="text" value="71.7067"/>	<input type="button" value="Reset"/>	

Airport Noise Level	<input type="text"/>
Loud Impulse Sounds?	<input type="radio"/> Yes <input type="radio"/> No
Combined DNL for all Road and Rail sources	<input type="text" value="71.7067"/>
Combined DNL including Airport	<input type="text" value="N/A"/>
Site DNL with Loud Impulse Sound	<input type="text"/>

Mitigation Options

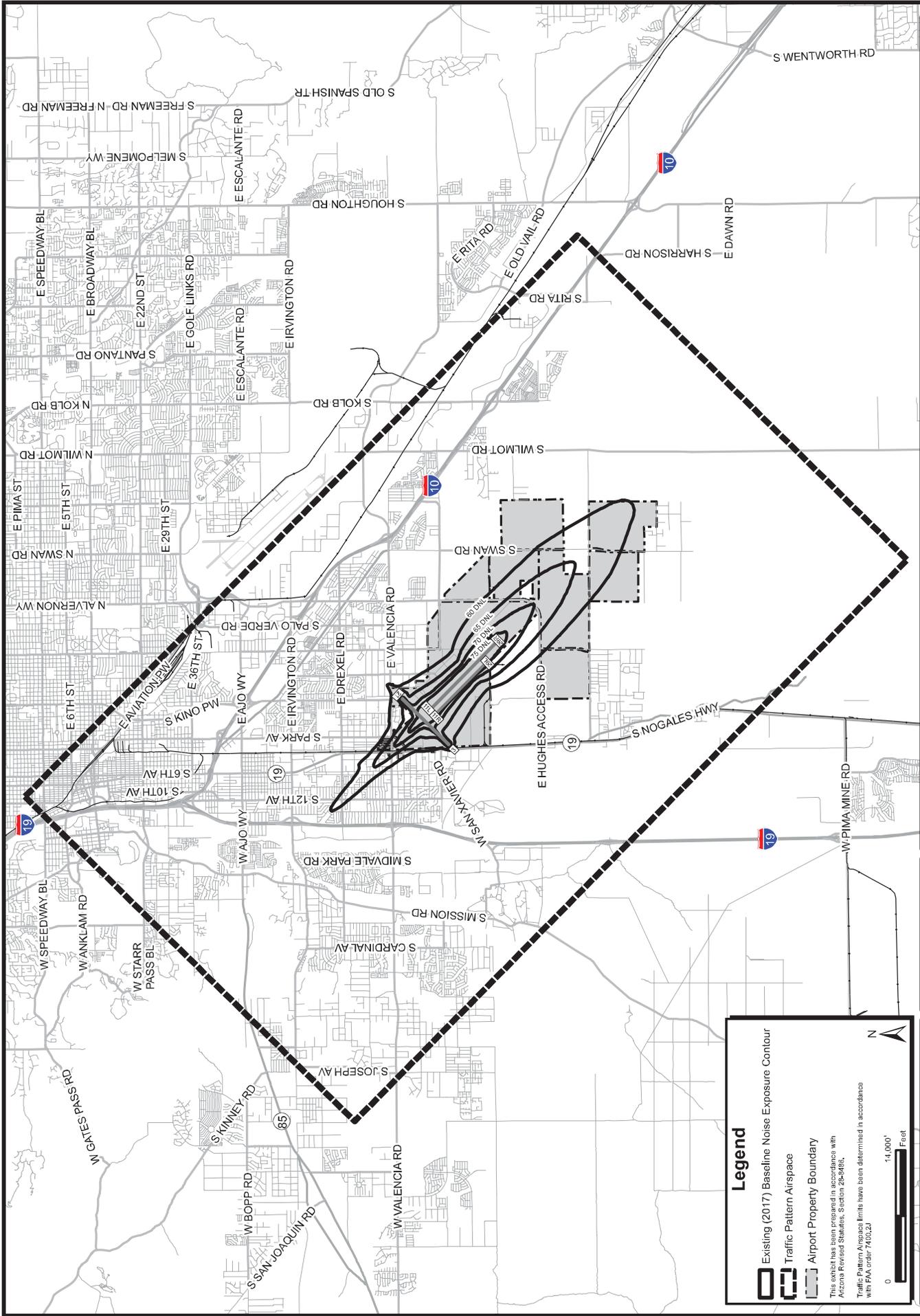
If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative:** Cancel the project at this location
- **Other Reasonable Alternatives:** Choose an alternate site
- **Mitigation**
 - Contact your Field or Regional Environmental Officer (</programs/environmental-review/hud-environmental-staff-contacts/>)
 - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
 - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
 - Incorporate natural or man-made barriers. See *The Noise Guidebook* (</resource/313/hud-noise-guidebook/>)
 - Construct noise barrier. See the **Barrier Performance Module** (</programs/environmental-review/bpm-calculator/>)

Tools and Guidance

Day/Night Noise Level Assessment Tool User Guide (</resource/3822/day-night-noise-level-assessment-tool-user-guide/>)

Day/Night Noise Level Assessment Tool Flowcharts (</resource/3823/day-night-noise-level-assessment-tool-flowcharts/>)



Public Airport Disclosure Map

Legend

- Existing (2017) Baseline Noise Exposure Contour
- Traffic Pattern Airspace
- Airport Property Boundary

This exhibit has been prepared in accordance with Arizona Revised Statutes, Section 28-5485.

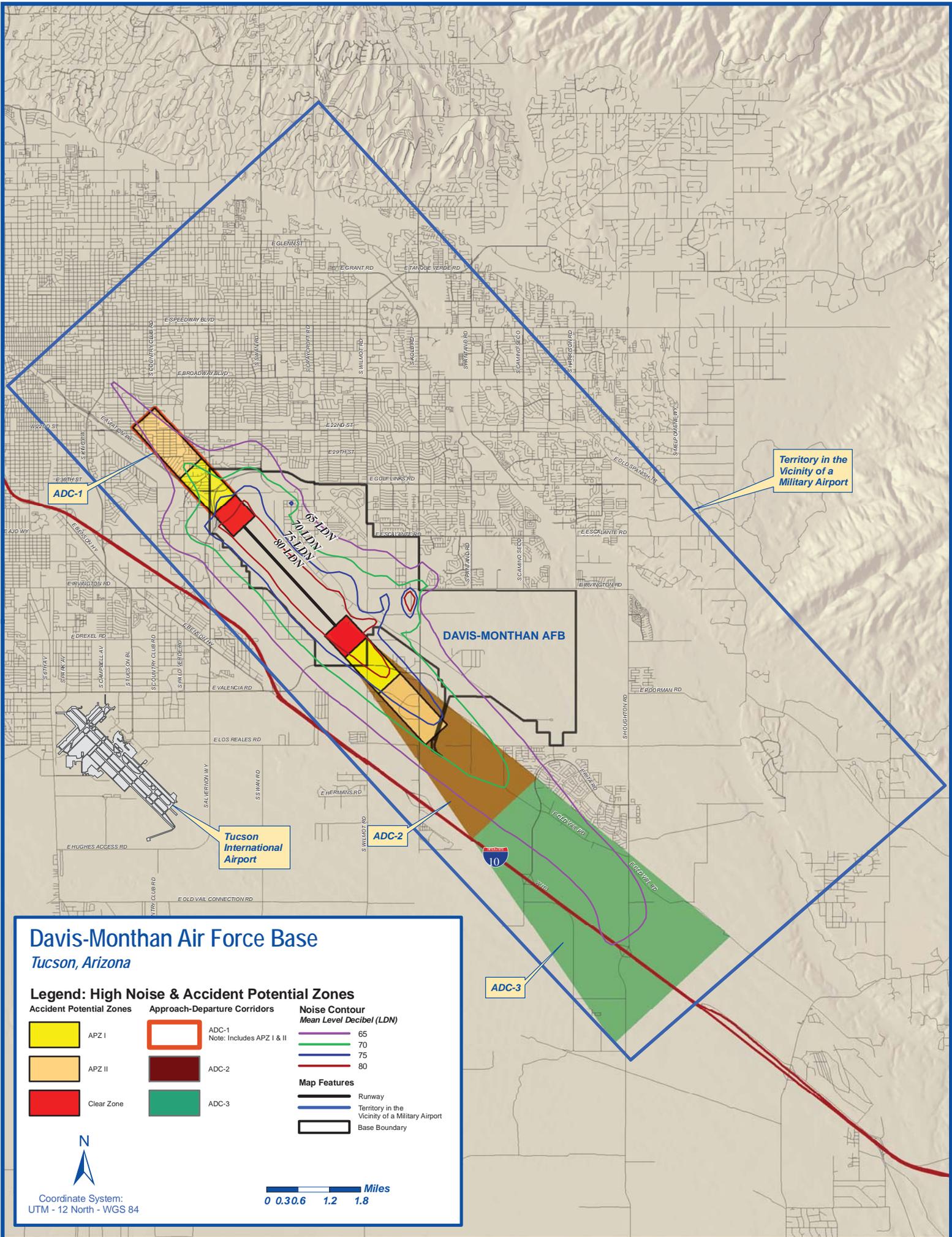
Traffic Pattern Airspace limits have been determined in accordance with FAA Order 7400.2J

0 14,000' Feet

N

4/18/2013 Prepared by Lanturum & Brown
 Mapping Services, Inc.
 Public Airport Disclosure Map
 TUS_2017_Baseline_Noise-Contours

Tucson International Airport



Davis-Monthan Air Force Base

Tucson, Arizona

Legend: High Noise & Accident Potential Zones

Accident Potential Zones	Approach-Departure Corridors	Noise Contour Mean Level Decibel (LDN)
APZ I	ADC-1 Note: Includes APZ I & II	65
APZ II	ADC-2	70
Clear Zone	ADC-3	75
		80

Map Features

- Runway
- Territory in the Vicinity of a Military Airport
- Base Boundary

Coordinate System:
UTM - 12 North - WGS 84



Territory in the Vicinity of a Military Airport

Tucson International Airport

DAVIS-MONTHAN AFB

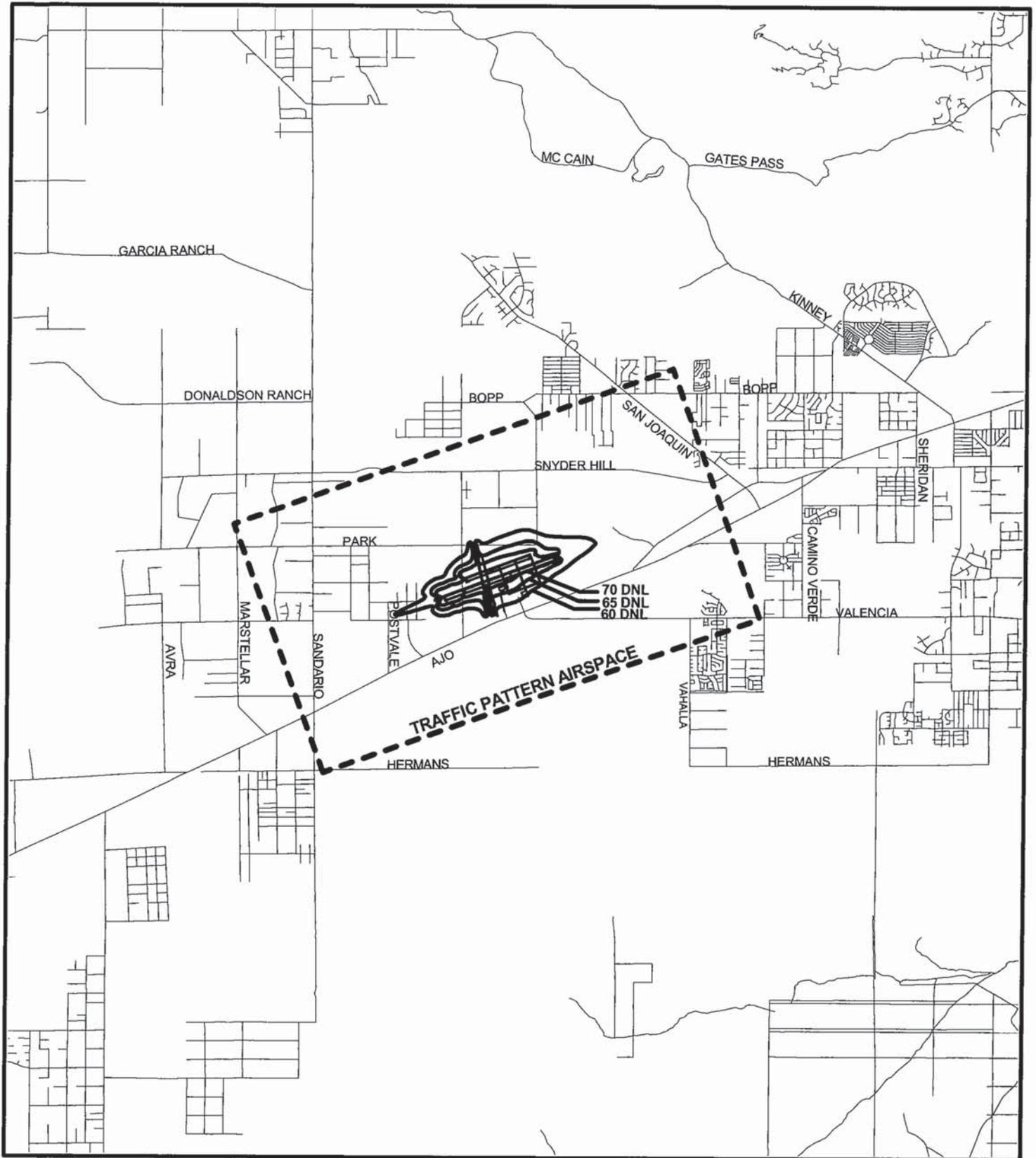
ADC-3

ADC-1

ADC-2

65 LDN
70 LDN
75 LDN
80 LDN

Ryan Airfield Public Airport Disclosure Map



*DNL = DAY / NIGHT AVERAGE SOUND LEVEL



APPENDIX H
NOTICE TO PROCEED

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CITY OF
TUCSON
ENVIRONMENTAL &
GENERAL SERVICES
DEPARTMENT

February 26, 2020

VIA E-MAIL AND U.S. MAIL

Mr. Derek Koller
Terracon Consultants, Inc.
355 South Euclid Avenue, Suite 107
Tucson, Arizona 85719

**Re: Notice to Proceed, HUD-Compliant Phase I Environmental Site Assessment and Asbestos and Lead-Based Paint Survey
Former Flint Oil Property, Tucson, Arizona, APN 116-23-2070**

Dear Mr. Koller:

This letter serves as a Notice to Proceed (NTP) for Terracon Consultants, Inc. (Terracon) to conduct a HUD-Compliant Phase I Environmental Site Assessment (ESA) and Asbestos and Lead-based Paint Survey for the Former Flint Oil Property, Tucson, Arizona. The scope of work will be performed in accordance with the attached revised Terracon proposal dated February 11, 2020.

Phase I ESA and Asbestos and Lead-based Paint Survey will be completed for the not-to-exceed amount of _____, unless there is prior written approval by the City of Tucson, Environmental & General Services. This work shall comply with the requirements described in the City of Tucson Contract 141030. Terracon will have three weeks to complete the draft Phase I ESA complete the Asbestos and Lead-based Paint Survey.

Please contact Gira Patel at (520) 837-3742 if you have any questions.

Sincerely,

Frank Bonillas
Environmental Manager

FB/GP/rm

Enclosure: Terracon Consultants, Inc. Proposal Dated February 11, 2020

c: Liz Morales, City of Tucson, Housing and Community Development
Svetlana Tchourbanova, City of Tucson, Housing and Community Development
Gira Patel, City of Tucson, Environmental & General Services



S:\EMCOMMON\Environmental Due Diligence\EARs & NTPs\Brownfields\Flint Oil Property 116-23-2070\NTP - Terracon - 3,985.24.docx

P.O. BOX 27210 • TUCSON, AZ 85726-7210
(520) 791-3175 • FAX (520) 791-3190
www.tucsonaz.gov

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