

# **PARTNER**

**Engineering and Science, Inc.**



## **PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT**

### **Vacant Land**

4354 U.S-377  
Aubrey, Texas 76227

Report Date: July 25, 2022  
Partner Project No. 22-377367.1



Prepared for:

### **Macritchie Storage Ventures, LLC**

142 Hawley Street, Unit 5  
Grayslake, Illinois 60030

July 25, 2022

Mr. Scott Young  
Macritchie Storage Ventures, LLC  
142 Hawley Street, Unit 5  
Grayslake, Illinois 60030

Subject: Phase I Environmental Site Assessment  
Vacant Land  
4354 U.S-377  
Aubrey, Texas 76227  
Partner Project No. 22-377367.1

Dear Mr. Young:

Partner Engineering and Science, Inc. (Partner) is pleased to provide this *Phase I Environmental Site Assessment* (Phase I ESA) report of the abovementioned address (the "subject property"). This assessment was performed in conformance with the scope and limitations as detailed in the ASTM Practice E1527-13 and E1527-21 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process and Client Agreement.

This assessment included a site reconnaissance as well as research and interviews with representatives of the public, property ownership, site manager, and regulatory agencies. An assessment was made, conclusions stated, and recommendations outlined.

We appreciate your trust in Partner and the opportunity to provide environmental services to you. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (201) 984-7751

Sincerely,

**DRAFT**

Ryan Reynics  
Relationship Manager

## EXECUTIVE SUMMARY

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Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in accordance with the scope of work and limitations of ASTM Standard Practice E1527-13 and E1527-21, the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) and set forth by Macritchie Storage Ventures, LLC for the property located at 4354 U.S-377 in Aubrey, Denton County, Texas (the "subject property").

### Property Description

The subject property is located on the east side of U.S-377 and approximately 0.14 miles south of Stewart Road within a mixed commercial and residential area of Denton County. Please refer to the table below for further description of the subject property:

#### *Subject Property Data*

|  |   |
|--|---|
| <b>Address:</b>                        | 4354 U.S-377, Aubrey, Texas                   |
| <b>Property Use:</b>                   | Vacant  |
| <b>Land Acreage (Ac):</b>              | 15.488 (per Denton County Appraisal District) |
| <b>Assessor's Parcel Number (APN):</b> | 302203  |
| <b>Site Assessment Performed By:</b>   | Ana Salamanca of Partner                      |
| <b>Site Assessment Conducted On:</b>   | July 14, 2022                                 |
| <b>Regulatory Radius Report Date:</b>  | July 6, 2022                                  |
| <b>Lien Search Date:</b>               | Not Applicable (N/A)                          |
| <b>Report Date:</b>                    | July 25, 2022                                 |
| <b>FOIAs Date:</b>                     | July 2022                                     |

The subject property consists of agricultural land. Currently, the subject property is structurally vacant with no improvements; at the time of the site reconnaissance, hay bales were observed throughout the subject property.

According to available historical sources, the subject property has been utilized agriculturally as early as 1942.

The adjoining properties are tabulated below:

#### *Adjoining Properties*

|               |  |
|---------------|--|
| <b>North:</b> | Single-family residence (6667 U.S 377) and agricultural land |
| <b>East:</b>  | Agricultural land  |
| <b>South:</b> | Single-family residence (4336 U.S 377) and agricultural land |
| <b>West:</b>  | Bliss Ranch (4381 US-377)                                    |

According to information obtained from water well logs maintained by the Texas Water Development Board (TWDB) and topographic map interpretation, the physical setting features of the subject property identify the terrain as sloping to the east with the depth to groundwater in the vicinity of the subject property inferred to be approximately 30 to 45 feet below ground surface (bgs) and groundwater flow inferred to be to the east.

## **Findings and Opinions**

### ***Recognized Environmental Condition***

A *recognized environmental condition (REC)* refers to the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

- Partner did not identify any RECs during the course of this assessment.

### ***Controlled Recognized Environmental Condition***

A *controlled recognized environmental condition (CREC)* refers to a REC affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations or other property use limitations).

- Partner did not identify any CRECs during the course of this assessment.

### ***Historical Recognized Environmental Condition***

A *historical recognized environmental condition (HREC)* refers to a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations).

- Partner did not identify any HRECs during the course of this assessment.

### ***Business Environmental Risk***

A *Business Environmental Risks (BER)* is a risk which can have a material environmental or environmentally driven impact on the business associated with the current or planned use of commercial real estate, not necessarily related to those environmental issues required to be investigated in this practice.

- Partner did not identify any BERs during the course of this assessment.

### ***Significant Data Gaps***

No significant data gaps affecting the ability of the Environmental Professional to identify a REC were encountered during this assessment.

## **Conclusions and Recommendations**

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 and E1527-21 of 4354 U.S-377 in Aubrey, Denton County, Texas (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.

This assessment has revealed no evidence of RECs, CRECs, HRECs, or BERs in connection with the subject property. Based on the conclusions of this assessment, Partner recommends no further investigation of the subject property at this time.



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## 1.0 INTRODUCTION

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Partner Engineering and Science, Inc. (Partner) has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Standard Practice E1527-13 and E1527-21 and the Environmental Protection Agency Standards and Practices for All Appropriate Inquiries (AAI) (40 CFR Part 312) for the property located at 4354 U.S-377 in Aubrey, Denton County, Texas (the "subject property"). Any exceptions to, or deletions from, this scope of work are described in the report.

### 1.1 Purpose

The purpose of this ESA is to identify existing or potential Recognized Environmental Conditions (as defined by ASTM Standard E1527-13 and E1527-21) affecting the subject property that: 1) constitute or result in a material violation or a potential material violation of any applicable environmental law; 2) impose any material constraints on the operation of the subject property or require a material change in the use thereof; 3) require clean-up, remedial action or other response with respect to Hazardous Substances or Petroleum Products on or affecting the subject property under any applicable environmental law; 4) may affect the value of the subject property; and 5) may require specific actions to be performed with regard to such conditions and circumstances. The information contained in the ESA Report will be used by Client to: 1) evaluate its legal and financial liabilities for transactions related to foreclosure, purchase, sale, loan origination, loan workout or seller financing; 2) evaluate the subject property's overall development potential, the associated market value and the impact of applicable laws that restrict financial and other types of assistance for the future development of the subject property; and/or 3) determine whether specific actions are required to be performed prior to the foreclosure, purchase, sale, loan origination, loan workout or seller financing of the subject property.

This ESA was performed to permit the *User* to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on scope of Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (42 U.S.C. §9601) liability (hereinafter, the "*landowner liability protections*," or "*LLPs*"). ASTM Standard E1527-13 constitutes "*all appropriate inquiry* into the previous ownership and uses of the *property* consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601(35)(B).

### 1.2 Scope of Work

The scope of work for this ESA is in accordance with and to the extent necessary to achieve the goal of the requirements set forth in the ASTM Standard E1527-13 and E1527-21. This assessment included: 1) a property and adjoining site reconnaissance; 2) interviews with key personnel; 3) a review of historical sources; 4) a review of regulatory agency records; and 5) a review of a regulatory database report provided by a third-party vendor. Partner contacted local agencies, such as environmental health departments, fire departments and building departments to obtain readily ascertainable information to determine any current and/or former hazardous substances usage, storage and/or releases of hazardous substances on the subject property. Additionally, Partner researched readily available information on the presence of activity and use limitations (AULs) at these agencies. As defined by ASTM E1527-21, AULs include both legal (that is, institutional) and physical (that is, engineering) controls that may include legal or physical restrictions or limitations on the use of, or access to, a site or facility: 1) to reduce or eliminate

potential exposure to hazardous substances or petroleum products in the soil, soil vapor, groundwater, or surface water on the subject property; or 2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or engineering controls (IC/ECs), are intended to prevent adverse impacts to individuals or populations that may be exposed to hazardous substances and petroleum products in the soil, soil vapor, groundwater, and/or surface water on a property.

If requested by Client, this report may also include the identification, discussion of, and/or limited sampling of asbestos-containing materials (ACMs), lead-based paint (LBP), mold, and/or radon.

### **1.3 Limitations**

Partner warrants that the findings and conclusions contained herein were accomplished in accordance with the methodologies set forth in the Scope of Work. These methodologies are described as representing good commercial and customary practice for conducting an ESA of a property for the purpose of identifying recognized environmental conditions. There is a possibility that even with the proper application of these methodologies there may exist on the subject property conditions that could not be identified within the scope of the assessment or which were not reasonably identifiable from the available information. Partner believes that the information obtained from the record review and the interviews concerning the subject property is reliable. However, Partner cannot and does not warrant or guarantee that the information provided by these other sources is accurate or complete. The conclusions and findings set forth in this report are strictly limited in time and scope to the date of the evaluations. The conclusions presented in the report are based solely on the services described therein, and not on scientific tasks or procedures beyond the scope of agreed-upon services or the time and budgeting restraints imposed by the Client. No other warranties are implied or expressed.

Some of the information provided in this report is based upon personal interviews, and research of available documents, records, and maps held by the appropriate government and private agencies. This report is subject to the limitations of historical documentation, availability, and accuracy of pertinent records, and the personal recollections of those persons contacted.

This practice does not address requirements of any state or local laws or of any federal laws other than the all appropriate inquiry provisions of the LLPs. Further, this report does not intend to address all of the compliance and safety concerns, if any, associated with the subject property.

Environmental concerns, which are beyond the scope of a Phase I ESA as defined by ASTM include the following: ACMs, LBP, radon, and lead in drinking water. These issues may affect environmental risk at the subject property and may warrant discussion and/or assessment; however, are considered non-scope issues. If specifically requested by the Client, these non-scope issues are discussed in Section 6.3.

### **1.4 User Reliance**

Macritchie Storage Ventures, LLC engaged Partner to perform this assessment in accordance with an agreement governing the nature, scope and purpose of the work as well as other matters critical to the engagement. All reports, both verbal and written, are for the sole use and benefit of Macritchie Storage Ventures, LLC. Either verbally or in writing, third parties may come into possession of this report or all or

part of the information generated as a result of this work. In the absence of a written agreement with Partner granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against Partner, its officers, employees, vendors, successors or assigns. Any such unauthorized user shall be responsible to protect, indemnify and hold Partner, Client and their respective officers, employees, vendors, successors and assigns harmless from any and all claims, damages, losses, liabilities, expenses (including reasonable attorneys' fees) and costs attributable to such Use. Unauthorized use of this report shall constitute acceptance of and commitment to these responsibilities, which shall be irrevocable and shall apply regardless of the cause of action or legal theory pled or asserted. Additional legal penalties may apply.

## **1.5 Limiting Conditions**

The findings and conclusions contain all of the limitations inherent in these methodologies that are referred to in ASTM E1527-13 and E1527-21.

Specific limitations and exceptions to this ESA are more specifically set forth below:

- Partner requested information relative to deed restrictions and environmental liens, a title search, and completion of a pre-survey questionnaire from the Report User. This information was not provided at the time of the assessment.
- Partner was unable to determine the property use at 5-year intervals, which constitutes a data gap. Except for property tax files and recorded land title records, which were not considered to be sufficiently useful, Partner reviewed all standard historical sources and conducted appropriate interviews.

## 2.0 SITE DESCRIPTION

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### 2.1 Site Location and Legal Description

The subject property at 4354 U.S-377 in Aubrey, Texas is located on the on the east side of U.S-377 and approximately 0.14 miles south of Stewart Road. According to the Denton County Appraisal District (DCAD), the subject property is legally described as A0036A J. Bridges, TR 118B, 15.488 ACRES. According to DCAD, ownership is currently vested in Richard Blake since 2021.

Please refer to Figure 1: Site Location Map, Figure 2: Site Plan, Figure 3: Topographic Map, and Appendix A: Site Photographs for the location and site characteristics of the subject property.

### 2.2 Current Property Use

The subject property consists of agricultural land. Currently, the subject property is structurally vacant with no improvements; at the time of the site reconnaissance, hay bales were observed throughout the subject property.

The subject property is located in the unincorporated area of Aubrey and therefore has no designated zoning.

The subject property was not identified in the regulatory database report of Section 4.2.

### 2.3 Current Use of Adjoining Properties

The subject property is located within a mixed commercial and residential area of Denton County. During the vicinity reconnaissance, Partner observed the land uses on adjoining properties as defined in ASTM E1527-13 and E1527-21 as any real property or properties the border of which is contiguous or partially contiguous with that of the property, or that would be contiguous or partially contiguous with that of the property but for a street, road, or other public thoroughfare separating them. The adjoining properties are tabulated below:

| <b><i>Adjoining Properties</i></b> |  |
|------------------------------------|--|
| <b>North:</b>                      | Single-family residence (6667 U.S 377) and agricultural land |
| <b>East:</b>                       | Agricultural land  |
| <b>South:</b>                      | Single-family residence (4336 U.S 377) and agricultural land |
| <b>West:</b>                       | Bliss Ranch (4381 US-377)                                    |

No adjoining properties were identified in the regulatory database report of Section 4.2.

### 2.4 Physical Setting Sources

#### 2.4.1 Topography

The 2019 United States Geological Survey (USGS) *Green Valley, Little Elm, Denton East, and Aubrey, Texas* Quadrangle 7.5-minute series topographic map was reviewed for this ESA. According to the contour lines on the topographic map, the subject property is located at approximately 630 feet above mean sea level (MSL). The contour lines in the area of the subject property indicate the area is sloping gently to the east.

A copy of the most recent topographic map is included as Figure 3 of this report.

### **2.4.2 Hydrology**

While under natural and undisturbed conditions shallow groundwater flow most frequently follows the topography of the land surface, natural or man-made features can affect flow direction, and the presumed flow may not match the actual flow directions at the subject property and vicinity. Topographic map interpretation indicates the direction of groundwater flow in the vicinity of the subject property is inferred to be to the east.

According to information obtained from water well logs maintained by the TWDB and topographic map interpretation, the depth to groundwater in the vicinity of the subject property inferred to be approximately 30 to 45 feet bgs.

The nearest surface water to the subject property is an on-site intermittent drainage way located on the northeastern portion and appears to be associated with an unnamed creek located approximately 0.25 miles east of the subject property. No settling ponds, lagoons, surface impoundments, wetlands or natural catch basins were observed at the subject property during this assessment.

According to available information, a public water system operated by the Aubrey Water Department (AWD) serves the subject property vicinity. According to a representative of the AWD, shallow groundwater beneath the subject property is not utilized for domestic purposes. The sources of public water for the City of Aubrey are surface water from the Trinity Aquifer and groundwater obtained from municipal wells.

### **2.4.3 Geology/Soils**

Based on information obtained from the United States Department of Agriculture (USDA) Natural Resources Conservation Service Web Soil Survey online database, the subject property is mapped as Gasil fine sandy loam, 1 to 3 percent slopes and Gowen clay loam, occasionally flooded.

The subject property is situated within the Northern Blackland Prairies Physiographic Province of the State of Texas. The uppermost geologic formation underlying the soils at the subject property is the Cretaceous Age Woodbine formation. The Woodbine formation comprises the underlying stratigraphy and consists mostly of sandstone, silts, and shale deposited in fluvial environments. The thickness of the Woodbine formation is estimated to be over 70 to 80 feet. The Woodbine formation is underlain by the Grayson Marl, which is estimated to be a total of approximately 60 feet thick.

### **2.4.4 Flood Zone Information**

Partner performed a review of the Flood Insurance Rate Map (FIRM), published by the Federal Emergency Management Agency (FEMA). According to Community Panel Number 48121C0265G, dated April 18, 2022, the subject property appears to be located in Zone X (Unshaded), an area located outside of the 100-year and 500-year flood plains and the very northeast corner of the subject property is located along Zone A; defined as areas subject to inundation by the 1-percent-annual-chance flood event. Because detailed hydraulic analyses have not been performed, no Base Flood Elevations (BFEs) or flood depths are shown.



### 3.0 HISTORICAL INFORMATION

Partner obtained historical use information about the subject property from a variety of sources. A chronological listing of the historical data found is summarized in the table below:

| <b>Historical Use Information</b> |  |                        |
|-----------------------------------|--|------------------------|
| <b>Years</b>                      | <b>Resource</b>  | <b>Description/Use</b> |
| 1942-<br>Present                  | Aerial Photographs, Topographic Map, Appraisal<br>Records, Site Reconnaissance | Agricultural land      |

The subject property parcel was historically utilized and is currently used for agricultural purposes. There is a potential that agricultural related chemicals such as pesticides, herbicides, and fertilizers, may have been used and stored onsite. During future development activities, the subject property will either be paved over or covered by building structures that will minimize direct contact to any potential remaining concentrations in the soil. Additionally, during proposed site development activities, near surface soils (where residual agricultural chemical concentrations would likely be present, if at all) will generally be mixed with fill material or disturbed during grading. Also, it is common that engineered fill material is placed over underlying soils as part of the development activities. These variables serve to further reduce the potential for exposure to agricultural chemicals (if any). Based on these reasons, Partner concludes that the former and current use of agricultural chemicals is not expected to represent a recognized environmental condition or a human health risk to the proposed future commercial use of the subject property. As such, no additional investigation is required

No other potential environmental concerns were identified in association with the current or former use of the subject property.

#### 3.1 Aerial Photograph Review

property and surrounding area from Environmental Risk Information Services (ERIS). The inferred uses of the subject property and adjoining properties as interpreted from the aerial photographs in Appendix B are tabulated below:

|                          |  |               |                |
|--------------------------|--|---------------|----------------|
| <b>Date:</b>             | <b>1942, 1952</b>  | <b>Scale:</b> | <b>1"=500'</b> |
| <b>Subject Property:</b> | Agricultural land  |               |                |
| <b>North:</b>            | Appears to be developed with a single-family residence and agricultural land |               |                |
| <b>East:</b>             | Agricultural land  |               |                |
| <b>South:</b>            | Agricultural land  |               |                |
| <b>West:</b>             | U.S 377 beyond which is agricultural land                                    |               |                |
| <b>Date:</b>             | <b>1968</b>  | <b>Scale:</b> | <b>1"=500'</b> |
| <b>Subject Property:</b> | No significant changes noted   |               |                |
| <b>North:</b>            | No significant changes noted   |               |                |
| <b>East:</b>             | No significant changes noted   |               |                |
| <b>South:</b>            | Appears to be developed with a single-family residence and a pond            |               |                |
| <b>West:</b>             | No significant changes noted   |               |                |

**Date:** 1972, 1981, 1984, 1995, 2004, 2006, 2008, 2010, 2012, 2014, 2016, 2018, 2020 **Scale:** 1"=500'

**Subject Property:** No significant changes noted  
**North:** A pond is constructed  
**East:** No significant changes noted  
**South:** An additional pond is constructed  
**West:** No significant changes noted

Copies of select aerial photographs are included in Appendix B of this report.

### 3.2 Fire Insurance Maps

Partner requested the collection of Fire Insurance Maps (FIMs) from ERIS. FIM coverage was not available for the subject property.

Copies of the no coverage letter are included in Appendix B of this report.

### 3.3 City Directories

Partner reviewed historical city directories obtained from ERIS for past names and businesses that were listed for the subject property and adjoining properties. City directories were not identified for the subject property. The findings for the adjacent properties are tabulated below:

#### *City Directory Search for South Adjoining Properties 4336 US 337*

| <b>Year(s)</b> | <b>Occupant Listed</b> |
|----------------|------------------------|
| 2012-<br>2020  | Residential            |

Based on the city directory review, no environmentally sensitive listings were identified for the adjacent property addresses.

Copies of reviewed city directories are included in Appendix B of this report.

### 3.4 Historical Topographic Maps

Partner reviewed historical topographic maps obtained from ERIS. The following inferred uses of the subject property and adjoining properties interpreted from topographic maps in Appendix B and are tabulated below:

**Date:** 1960

**Subject Property:** Unimproved land with a portion of an unnamed tributary on the northeast portion of the subject property  
**North:** Unimproved land with a portion of an unnamed tributary  
**East:** Unimproved land with a portion of an unnamed tributary  
**South:** Depicted as developed with a structure and a pond  
**West:** Unimproved land across U.S 377

**Date:** 2016, 2019

**Subject Property:** Depicted as developed as indicated by grey shading  
**North:** Depicted as developed as indicated by grey shading  
**East:** Depicted as developed as indicated by grey shading  
**South:** Depicted as developed as indicated by grey shading  
**West:** Depicted as developed as indicated by grey shading

Copies of reviewed topographic maps are included in Appendix B of this report.

## 4.0 REGULATORY RECORDS REVIEW

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### 4.1 Regulatory Agencies

#### 4.1.1 State Department

##### *Regulatory Agency Data*

**Name of Agency:** Texas Commission on Environmental Quality (TCEQ)  
**Point of Contact:** TCEQ Central Registry and Central File Room Online  
**Agency Address:** 12100 Park 35 Circle, Austin, Texas  
**Agency Phone Number:** (512) 239-2900  
**Date of Contact:** July 12, 2022  
**Method of Communication:** Online

**Summary of Communication:**

No records regarding hazardous substance use, storage or releases, or the presence of underground storage tanks (USTs) and activity and use limitations (AULs) on the subject property were on file with the TCEQ.

#### 4.1.2 Health Department

##### *Regulatory Agency Data*

**Name of Agency:** Denton County Public Health Department (DCPHD)  
**Point of Contact:** recordsmanagement@dentoncounty.gov  
**Agency Address:** 535 South Loop 288 #1003, Denton, Texas  
**Agency Phone Number:** (940) 349-2900  
**Date of Contact:** July 12, 2022  
**Method of Communication:** Email

**Summary of Communication:**

No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the DCPHD.

#### 4.1.3 Fire Department

##### *Regulatory Agency Data*

**Name of Agency:** Aubrey Fire Department (AFD)  
**Point of Contact:** City Secretary  
**Agency Address:** 200 Sycamore Street, Aubrey, Texas  
**Agency Phone Number:** (940) 365-9785  
**Date of Contact:** July 5, 2022  
**Method of Communication:** Email

**Summary of Communication:**

No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the City of Aubrey Fire Department.

#### 4.1.4 Building Department

##### *Regulatory Agency Data*

**Name of Agency:** Aubrey Building Permits Department (ABPD)  
**Point of Contact:** City Secretary  
**Agency Address:** 107 South Main Street, Aubrey, Texas

**Agency Phone Number:** (940) 440-9343

**Date of Contact:** July 5, 2022

**Method of Communication:** Email

**Summary of Communication:**

No records regarding hazardous substance use, storage or releases, or the presence of USTs and AULs on the subject property were on file with the ABPD.

#### 4.1.5 Planning Department

##### *Regulatory Agency Data*

**Name of Agency:** Aubrey Planning and Development Department (APDD)

**Point of Contact:** Online (<https://www.aubreytx.gov/bc-mdd/page/mapping>)

**Agency Address:** 107 South Main Street, Aubrey, Texas

**Agency Phone Number:** (940) 440-9343

**Date of Contact:** July 5, 2022

**Method of Communication:** Online Map

**Summary of Communication:**

According to information available online, the subject property is located in outside of the City of Aubrey city limits. As such, no zoning information was available for the subject property.

#### 4.1.6 Oil & Gas Exploration

##### *Regulatory Agency Data*

**Name of Agency:** The Railroad Commission of Texas (RRC)

**Point of Contact:** <http://gis.rrc.texas.gov/GISViewer/>

**Agency Address:** 1701 North Congress, Austin, Texas

**Agency Phone Number:** (512) 463-7158

**Date of Contact:** July 12, 2022

**Method of Communication:** Online

**Summary of Communication:**

According to RRC, no oil or gas wells are located on or adjoining to the subject property.

#### 4.1.7 Assessor's Office

##### *Regulatory Agency Data*

**Name of Agency:** Denton Central Appraisal District (DCAD)

**Point of Contact:** Online (<https://www.dentoncad.com/>)

**Agency Address:** 3911 Morse Street, Denton, Texas

**Agency Phone Number:** (940) 349-3800

**Date of Contact:** July 12, 2022

**Method of Communication:** Online

**Summary of Communication:** According to records reviewed, the subject property is legally described as A0036A J. Bridges, TR 118B, 15.488 ACRES. According to DCAD, ownership is currently vested in Richard Blake since 2021.

Copies of pertinent documents are included in Appendix B of this report.

## 4.2 Mapped Database Records Search

The regulatory database report provided by ERIS documents the listing of sites identified on federal, state, county, city, and tribal (when applicable) standard source environmental databases within the

approximate minimum search distance (AMSD) specified by ASTM E1527-13 and E1527-21. The data from these sources are updated as these data are released and integrated into one database. The information contained in this report was compiled from publicly available sources.

The environmental database information is used to identify environmental concerns in connection with the subject property. The listings also serve to identify the known indications of the storage, use, generation, disposal, or release of hazardous substance at the subject property and the potential for contaminants to migrate onto the subject property from off-site sources in groundwater or soil in the form of liquids or vapor.

Using the ASTM definition of migration, Partner considers the migration of hazardous substances or petroleum products in any form onto the subject property during the evaluation of each site listed on the radius report, which includes solid, liquid, and vapor.

#### 4.2.1 Regulatory Database Summary

The following table lists the number of sites as categorized by the regulatory database within the prescribed AMSD. The locations of the sites are plotted utilizing a geographic information system, which geocodes the site addresses. The accuracy of the geocoded locations is approximately +/-300 feet.

| <b>Radius Report Data</b>                            |                           |                            |                             |  |  |
|--|---------------------------|----------------------------|-----------------------------|--|--|
| <b>Database</b>                                      | <b>AMSD Radius (mile)</b> | <b>Listings Identified</b> |                             | <b>Surrounding Area Sites of Concern</b> |  |
|  |                           | <b>Subject Property</b>    | <b>Adjoining Properties</b> |  |  |
| Federal NPL  | 1.00                      | N                          | N                           | N  |  |
| Delisted NPL Site                                    | 0.50                      | N                          | N                           | N  |  |
| Federal SEMS Site                                    | 0.50                      | N                          | N                           | N  |  |
| Federal SEMS-ARCHIVE                                 | 0.50                      | N                          | N                           | N  |  |
| Federal RCRA CORRACTS Facility                       | 1.00                      | N                          | N                           | N  |  |
| Federal RCRA TSD Facility                            | 0.50                      | N                          | N                           | N  |  |
| Federal RCRA Generators Site (LQG, SQG, VSQG, CESQG) | Subject and Adjoining     | N                          | N                           | N  |  |
| Federal IC/EC Registries                             | Subject Property          | N                          | N                           | N  |  |
| Federal ERNS Site                                    | Subject Property          | N                          | N                           | N  |  |
| State/Tribal Equivalent NPL                          | 1.00                      | N                          | N                           | N  |  |
| State/Tribal Equivalent CERCLIS                      | 1.00                      | N                          | N                           | N  |  |
| State/Tribal Landfill/Solid Waste Disposal Site      | 0.50                      | N                          | N                           | N  |  |
| State/Tribal Leaking Storage Tank Site (LUST/LPST)   | 0.50                      | N                          | N                           | N  |  |
| State/Tribal Registered Storage Tank Sites (UST/AST) | Subject and Adjoining     | N                          | N                           | N  |  |
| State/Tribal IC/EC Registries                        | Subject and Adjoining     | N                          | N                           | N  |  |
| State/Tribal Voluntary Cleanup Sites (VCP)           | 0.50                      | N                          | N                           | N  |  |
| State/Tribal Spills                                  | 0.125                     | N                          | N                           | N  |  |
| Federal Brownfield Sites                             | 0.50                      | N                          | N                           | N  |  |
| State Brownfield Sites                               | 0.50                      | N                          | N                           | N  |  |

#### **4.2.2 Subject Property Listings**

The subject property is not identified in the regulatory database report.

#### **4.2.3 Adjoining Property Listings**

The adjoining properties are not identified in the regulatory database report.

#### **4.2.4 Surrounding Area Listings of Concern to Subject Property**

No sites of concern are identified in the regulatory database report.

#### **4.2.5 Unplottable Listings**

No unplottable listings of concern are identified in the regulatory database report.

A copy of the regulatory database report is included in Appendix C of this report.

## 5.0 USER PROVIDED INFORMATION AND INTERVIEWS

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the *Brownfields Amendments*), the *User* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. The *User* should provide the following information to the *environmental professional*. Failure to provide this information could result in a determination that *all appropriate inquiries* is not complete. The *User* is asked to provide information or knowledge of the following:

- Review Title and Judicial Records for Environmental Liens and AULs
- Specialized Knowledge or Experience of the User
- Actual Knowledge of the User
- Reason for Significantly Lower Purchase Price
- Commonly Known or *Reasonably Ascertainable* information
- Degree of Obviousness
- Reason for Preparation of this Phase I ESA

Fulfillment of these user responsibilities is key to qualification for the identified defenses to CERCLA liability. Partner requested our Client to provide information to satisfy User Responsibilities as identified in Section 6 of the ASTM guidance.

Pursuant to ASTM E1527-13 and E1527-21, Partner requested the following site information from Macritchie Storage Ventures, LLC (User of this report).

### ***User Responsibilities***

| <b>Item</b>                                  | <b>Provided By User</b> | <b>Not Provided By User</b> |
|--|-------------------------|-----------------------------|
| AAI User Questionnaire                       |                         | <b>X</b>                    |
| Title Records, Environmental Liens, and AULs |                         | <b>X</b>                    |
| Specialized Knowledge                        |                         | <b>X</b>                    |
| Actual Knowledge                             |                         | <b>X</b>                    |
| Valuation Reduction for Environmental Issues |                         | <b>X</b>                    |
| Identification of Key Site Manager           | <b>X</b>                |                             |
| Reason for Performing Phase I ESA            |                         | <b>X</b>                    |
| Prior Environmental Reports                  |                         | <b>X</b>                    |
| Other  |                         | <b>X</b>                    |

## 5.1 Interviews

### 5.1.1 Interview with Owner

Mr. Richards, the subject property owning entity, was not aware of any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.



### **5.1.2 Interview with Report User**

Please refer to Section 5.2 below for information requested from the Report User. The information requested was not received prior to the issuance of this report. The lack of this information is not considered to represent a significant data gap.

### **5.1.3 Interview with Key Site Manager**

Mr. Richards, the current owner and key site manager, indicated that he had no information pertaining to any pending, threatened, or past litigation relevant to hazardous substances or petroleum products in, on, or from the subject property; any pending, threatened, or past administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the subject property; or any notices from a governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products.

### **5.1.4 Interviews with Past Owners, Operators, and Occupants**

Interviews with past owners, operators and occupants were not conducted since information regarding the potential for contamination at the subject property was obtained from other sources.

## **5.2 User Provided Information**

### **5.2.1 Title Records, Environmental Liens, and AULs**

Partner was not provided with title records or environmental lien and AUL information for review as part of this assessment.

### **5.2.2 Specialized Knowledge**

No specialized knowledge of environmental conditions associated with the subject property was provided by the User at the time of the assessment.

### **5.2.3 Actual Knowledge of the User**

No actual knowledge of any environmental lien or AULs encumbering the subject property or in connection with the subject property was provided by the User at the time of the assessment.

### **5.2.4 Valuation Reduction for Environmental Issues**

No knowledge of valuation reductions associated with the subject property was provided by the User at the time of the assessment.

### **5.2.5 Commonly Known or Reasonably Ascertainable Information**

The User did not provide information that is commonly known or *reasonably ascertainable* within the local community about the subject property at the time of the assessment.

### **5.2.6 Previous Reports and Other Provided Documentation**

No previous reports or other pertinent documentation was provided to Partner for review during the course of this assessment.

## 6.0 SITE RECONNAISSANCE

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The weather at the time of the site visit was sunny and clear. Refer to Section 1.5 for limitations encountered during the field reconnaissance and Sections 2.1 and 2.2 for subject property operations. The table below provides the site assessment details:

### *Site Assessment Data*

|                                      |               |
|--------------------------------------|---------------|
| <b>Site Assessment Performed By:</b> | Ana Salamanca |
| <b>Site Assessment Conducted On:</b> | July 14, 2022 |

Partner was unaccompanied during the site reconnaissance activities.

No environmental concerns were identified during the onsite reconnaissance.

### **6.1 General Site Characteristics**

#### **6.1.1 Solid Waste Disposal**

Based on the agricultural use of the subject property, solid waste is not currently generated at the subject property. No evidence of illegal dumping of solid waste was observed during the Partner site reconnaissance.

#### **6.1.2 Sewage Discharge and Disposal**

Based on the agricultural use of the subject property, sanitary discharges are not currently generated on the subject property. No wastewater treatment facilities or septic systems are observed or reported on the subject property.

#### **6.1.3 Stormwater and Surface Water Drainage**

Storm water is removed from the subject property primarily by infiltration into onsite soils.

The subject property does appear to be a designated wetland area R4SBC (riverine intermittent streambed seasonally flooded) based on information obtained from the United States Fish and Wildlife Service; however, a comprehensive wetlands survey would be required in order to formally determine actual wetlands on the subject property. No other surface impoundments, wetlands, natural catch basins, settling ponds, or lagoons are located on the subject property. No drywells were identified on the subject.

#### **6.1.4 Source of Heating and Cooling**

Based on the agricultural use of the subject property, no heating or cooling systems were observed on the subject property.

#### **6.1.5 Wells and Cisterns**

No aboveground evidence of wells or cisterns was observed during the site reconnaissance.

#### **6.1.6 Wastewater**

No wastewater treatment facilities or septic systems are observed or reported on the subject property. No industrial process is currently performed at the subject property.

### **6.1.7 Septic Systems**

No septic systems were observed or reported on the subject property.

### **6.1.8 Additional Site Observations**

No additional general site characteristics were observed during the site reconnaissance.

## **6.2 Potential Environmental Hazards**

### **6.2.1 Hazardous Substances and Petroleum Products Used or Stored at the Site**

No hazardous substances or petroleum products were observed on the subject property during the site reconnaissance.

### **6.2.2 Aboveground & Underground Hazardous Substance or Petroleum Product Storage Tanks (ASTs/USTs)**

No evidence of current or former ASTs or USTs was observed during the site reconnaissance.

### **6.2.3 Evidence of Releases**

No spills, stains or other indications that a surficial release has occurred at the subject property were observed.

### **6.2.4 Polychlorinated Biphenyls (PCBs)-Containing Items**

Older transformers and other electrical equipment could contain PCBs at a level that subjects them to regulation by the U.S. EPA. PCBs in electrical equipment are controlled by United States Environmental Protection Agency regulations 40 CFR, Part 761. Under the regulations, there are three categories into which electrical equipment can be classified: 1) Less than 50 parts per million (ppm) of PCBs – “Non-PCB;” 2) 50 ppm-500 ppm – “PCB-Contaminated;” and, 3) Greater than 500 ppm – “PCB-Containing.” The manufacture, process, or distribution in commerce or use of any PCB in any manner other than in a totally enclosed manner was prohibited after July 2, 1979.

No potential PCB-containing equipment (transformers, oil-filled switches, hoists, lifts, dock levelers, hydraulic elevators, etc.) was observed on the subject property during Partner’s reconnaissance.

### **6.2.5 Strong, Pungent, or Noxious Odors**

No strong, pungent or noxious odors were evident during the site reconnaissance.

### **6.2.6 Pools of Liquid**

No pools of liquid were observed on the subject property during the site reconnaissance.

### **6.2.7 Drains, Sumps, and Clarifiers**

No drains, sumps, or clarifiers, other than those associated with stormwater removal, were observed on the subject property during the site reconnaissance.

### **6.2.8 Pits, Ponds, and Lagoons**

No pits, ponds or lagoons were observed on the subject property.

### **6.2.9 Stressed Vegetation**

No stressed vegetation was observed on the subject property.

### **6.2.10 Additional Potential Environmental Hazards**

No additional environmental hazards, including landfill activities or radiological hazards, were observed.

## **6.3 Non-Scope ASTM Considerations**

### **6.3.1 Asbestos-Containing Materials (ACMs)**

Asbestos is the name given to a number of naturally occurring, fibrous silicate minerals mined for their useful properties such as thermal insulation, chemical and thermal stability, and high tensile strength. The Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 requires certain construction materials to be presumed to contain asbestos, for purposes of this regulation. All thermal system insulation (TSI), surfacing material, and asphalt/vinyl flooring that are present in a building that have not been appropriately tested are "presumed asbestos-containing material" (PACM).

The subject property is current agricultural land with no structures present. As such, ACMs were not considered within the scope of this assessment.

### **6.3.2 Lead-Based Paint (LBP)**

Lead is a highly toxic metal that affects virtually every system of the body. LBP is defined as any paint, varnish, stain, or other applied coating that has 1 mg/cm<sup>2</sup> (or 5,000 ug/g or 0.5% by weight) or more of lead. Congress passed the Residential Lead-Based Paint Hazard Reduction Act of 1992, also known as "Title X", to protect families from exposure to lead from paint, dust, and soil. Under Section 1017 of Title X, intact LBP on most walls and ceilings is not considered a "hazard," although the condition of the paint should be monitored and maintained to ensure that it does not become deteriorated. Further, Section 1018 of this law directed the Housing and Urban Development (HUD) and the US EPA to require the disclosure of known information on LBP and LBP hazards before the sale or lease of most housing built before 1978.

The subject property is current agricultural land with no structures present. As such, ACMs were not considered within the scope of this assessment.

### **6.3.3 Radon**

Radon is a colorless, odorless, naturally occurring, radioactive, inert, gaseous element formed by radioactive decay of radium (Ra) atoms. The US EPA has prepared a map to assist National, State, and local organizations to target their resources and to implement radon-resistant building codes. The map divides the country into three Radon Zones, according to the table below:

| <b>EPA Radon Zones</b> |                                       |                  |
|------------------------|---------------------------------------|------------------|
| <b>EPA Zones</b>       | <b>Average Predicted Radon Levels</b> | <b>Potential</b> |
| Zone 1                 | Exceed 4.0 pCi/L                      | Highest          |
| Zone 2                 | Between 2.0 and 4.0 pCi/L             | Moderate         |
| Zone 3                 | Less than 2.0 pCi/L                   | Low              |

Radon sampling was not conducted as part of this assessment. Review of the US EPA Map of Radon Zones places the subject property in Zone 3. Based upon the radon zone classification, radon is not considered to be a significant environmental concern.

#### **6.3.4 Lead in Drinking Water**

According to available information, a public water system operated by the AWD serves the subject property vicinity. The sources of public water for the City of Aubrey are surface waters from the Trinity Aquifer and groundwater obtained from municipal wells. According to the City of Aubrey and the 2021 Annual Water Quality Report, water supplied to the subject property is in compliance with all State and Federal regulations pertaining to drinking water standards, including lead and copper. Water sampling was not conducted to verify water quality.

#### **6.3.5 Mold**

Molds are microscopic organisms found virtually everywhere, indoors and outdoors. Mold will grow and multiply under the right conditions, needing only sufficient moisture (e.g. in the form of very high humidity, condensation, or water from a leaking pipe, etc.) and organic material (e.g., ceiling tile, drywall, paper, or natural fiber carpet padding).

The subject property is current agricultural land with no structures present. As such, mold was not considered within the scope of this assessment.

#### **6.3.6 Wetlands**

The subject property does appear to be a designated wetland area R4SBC (riverine intermittent streambed seasonally flooded) based on information obtained from the United States Fish and Wildlife Service; however, a comprehensive wetlands survey would be required in order to formally determine actual wetlands on the subject property. No other surface impoundments, wetlands, natural catch basins, settling ponds, or lagoons are located on the subject property. No drywells were identified on the subject.

### **6.4 Adjoining Property Reconnaissance**

The adjoining property reconnaissance consisted of observing the adjoining properties from the subject property premises. No items of environmental concern were identified on the adjoining properties during the site assessment, including hazardous substances, petroleum products, ASTs, USTs, evidence of releases, PCBs, strong or noxious odors, pools of liquids, sumps or clarifiers, pits or lagoons, stressed vegetation, or any other potential environmental hazards.

## 7.0 VAPOR ENCROACHMENT CONDITIONS

Partner conducted a limited non-intrusive vapor screening on the subject property to identify, to the extent feasible, the potential for vapor encroachment conditions (VECs) in connection with the subject property. This included consideration of chemicals of concern (COC) that may migrate as vapors into the subsurface of the subject property as a result of contaminated soil and groundwater on or near the property.

This screening utilized readily available data sources previously discussed in this Phase I ESA that includes:

- the physical setting of the subject property (Section 2.4),
- standard historical sources for the subject property, adjoining, and surrounding area (Section 3.0),
- known or potentially contaminated sites as identified from information from regulatory agencies and sites on Federal, State, tribal and local databases (Section 4.0), and
- information from the site reconnaissance (Section 6.0) of the subject property and observations of the surrounding properties.

The results of our data collection, reconnaissance, and analysis are tabulated below:

| <i>Potential for Vapor Encroachment to Impact the Subject Property</i>   |   |
|--|---|
| <b>Area of Concern</b>   | <b>Likely or Known VEC to Subject Property</b>    |
| Subject Property Existing Operations or Conditions   | None identified that impact the subject property. |
| Historical Uses of the Subject Property  | None identified that impact the subject property. |
| Adjoining Property Operations or Existing Conditions   | None identified that impact the subject property. |
| Historical Uses of Adjoining Properties or Nearby Properties   | None identified that impact the subject property. |
| Regulatory Review of sites identified on Federal, State, tribal and Local Environmental Databases which were located in the AMSD | None identified that impact the subject property. |

## 8.0 FINDINGS AND CONCLUSIONS

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### Findings and Opinions

#### ***Recognized Environmental Condition***

A *recognized environmental condition (REC)* refers to the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

- Partner did not identify any RECs during the course of this assessment.

#### ***Controlled Recognized Environmental Condition***

A *controlled recognized environmental condition (CREC)* refers to a REC affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations or other property use limitations).

- Partner did not identify any CRECs during the course of this assessment.

#### ***Historical Recognized Environmental Condition***

A *historical recognized environmental condition (HREC)* refers to a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations).

- Partner did not identify any HRECs during the course of this assessment.

#### ***Business Environmental Risk***

A *Business Environmental Risks (BER)* is a risk which can have a material environmental or environmentally driven impact on the business associated with the current or planned use of commercial real estate, not necessarily related to those environmental issues required to be investigated in this practice.

- Partner did not identify any BERs during the course of this assessment.

#### ***Significant Data Gaps***

No significant data gaps affecting the ability of the Environmental Professional to identify a REC were encountered during this assessment.

### Conclusions and Recommendations

Partner has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 and E1527-21 of 4354 U.S-377 in Aubrey, Denton County, Texas (the "subject property"). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report.



This assessment has revealed no evidence of RECs, CRECs, HRECs, or BERs in connection with the subject property. Based on the conclusions of this assessment, Partner recommends no further investigation of the subject property at this time.

## 9.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

---

Partner has performed a Phase I Environmental Site Assessment of the property located at 4354 U.S-377 in Aubrey, Denton County, Texas in conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

By signing below, Partner declares that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR §312. Partner has the specific qualifications based on education, training, and experience to assess a *property* of the nature, history, and setting of the subject *property*. Partner has developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:

**DRAFT**

Ana Salamanca  
Environmental Scientist

Reviewed By:

**DRAFT**

Candice McCann  
Senior Author

## 10.0 REFERENCES

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### Reference Documents

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation: E1527-13 and E1527-21.

Environmental Risk Information Services (ERIS), Radius Report, July 2022

Federal Emergency Management Agency, Federal Insurance Administration, National Flood Insurance Program, Flood Insurance Map, accessed via the internet, July 2022

United States Department of Agriculture, Natural Resources Conservation Service, accessed via the internet, July 2022

United States Department of Agriculture, Natural Resources Conservation Service, Web Soil Survey, accessed via the internet, July 2022

United States Environmental Protection Agency, EPA Map of Radon Zones (Document EPA-402-R-93-071), accessed via the internet, July 2022

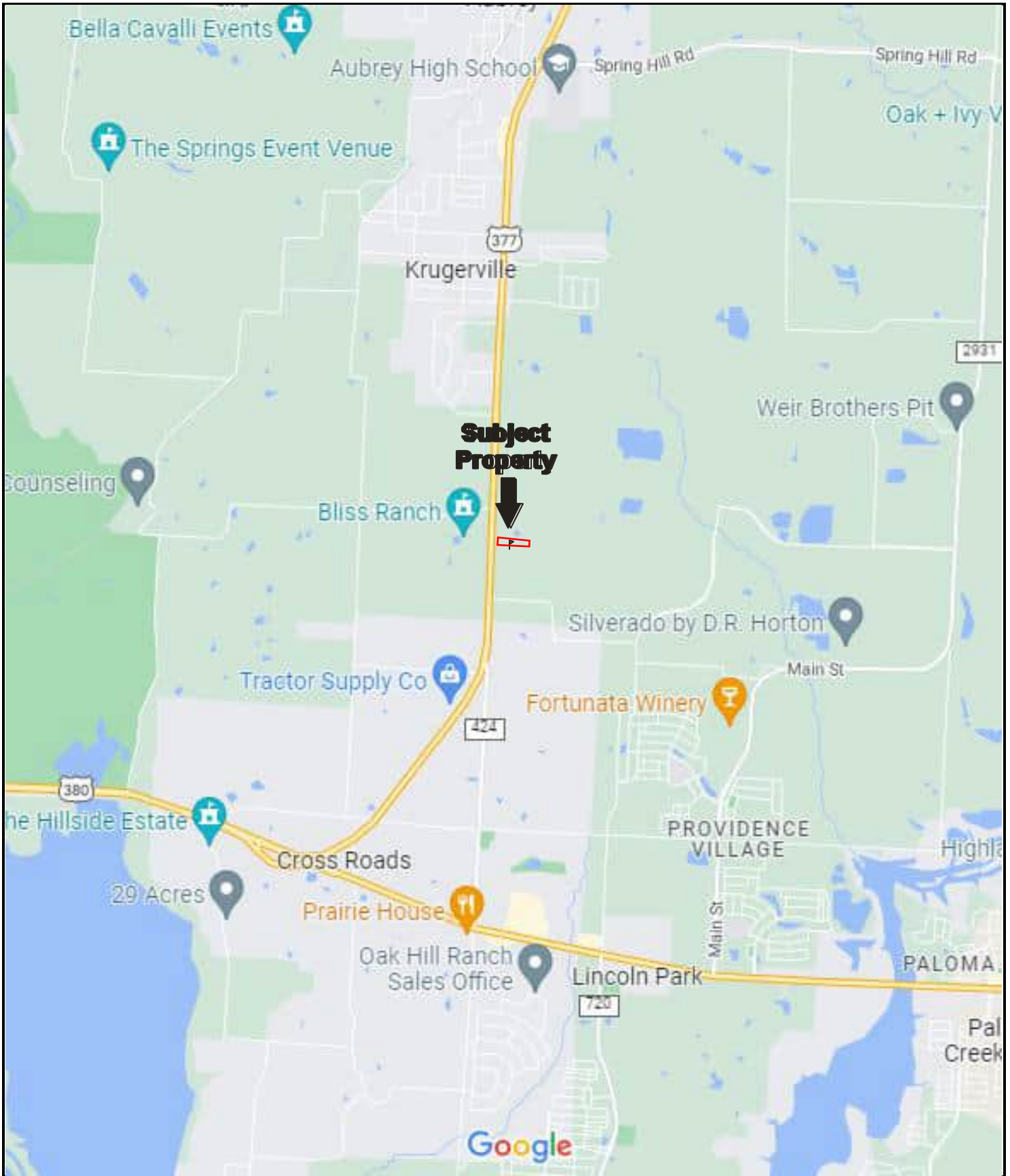
United States Geological Survey, accessed via the Internet, July 2022

United States Geological Survey Topographic Map 2019, 7.5-minute series, accessed via the internet, July 2022

## **FIGURES**

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- 1 SITE LOCATION MAP**
- 2 SITE PLAN**
- 3 TOPOGRAPHIC MAP**



Drawing Not To Scale

KEY:  
Subject Property 

**FIGURE 1: SITE LOCATION MAP**  
Project No. 22-377367.1



**GROUNDWATER**

**FLOW**



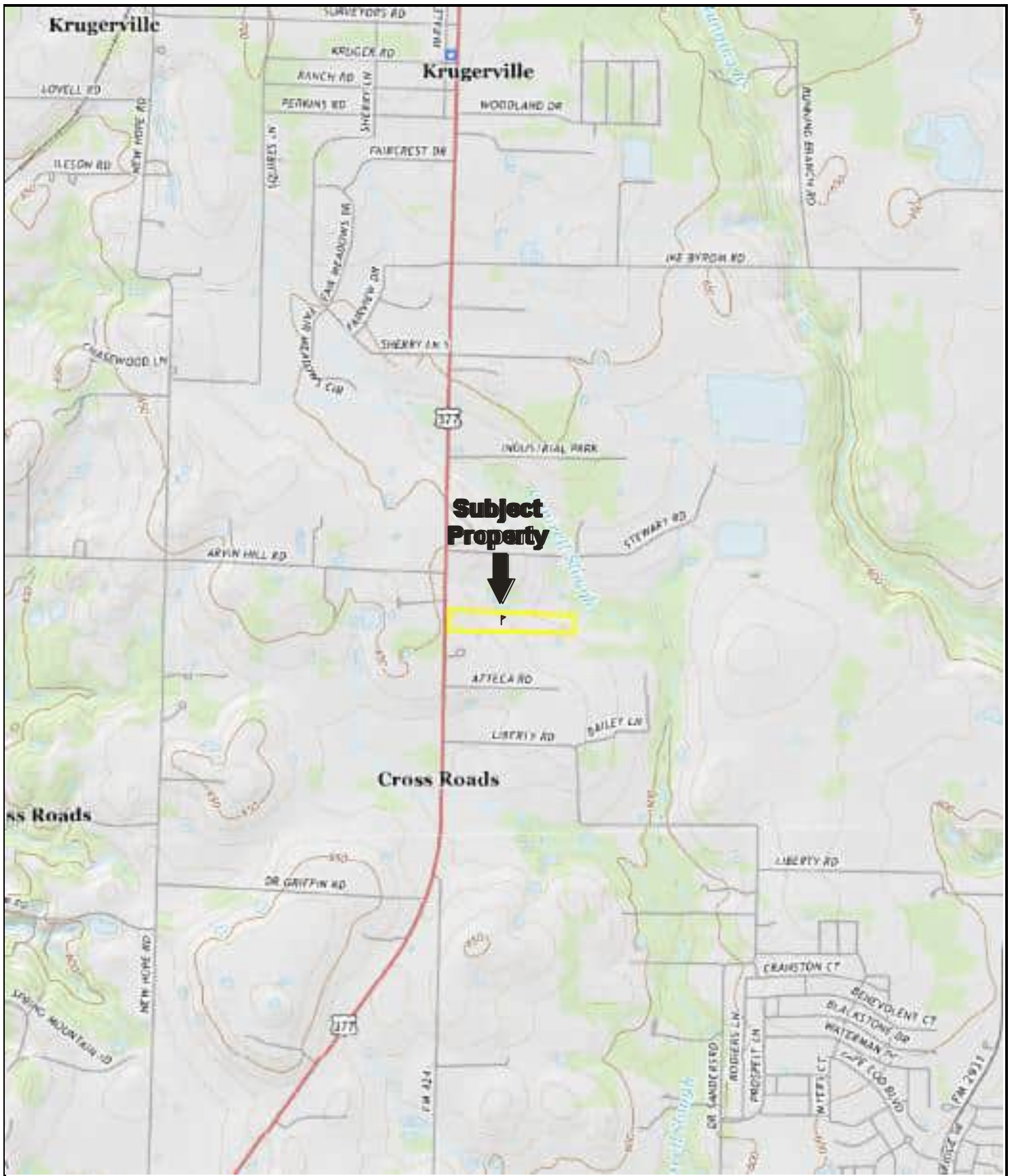
KEY:

Subject Property



**FIGURE 2: SITE PLAN**  
Project No. 22-377367.1





USGS 7.5 Minute *Green Valley, Little Elm, Denton East, Texas* Quadrangle  
 Created: 2019

KEY:  
 Subject Property 

**FIGURE 3: TOPOGRAPHIC MAP**  
 Project No. 22-377367.1



## **APPENDIX A: SITE PHOTOGRAPHS**

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1. View of the north subject property boundary



2. View of the east subject property boundary



3. View of the south subject property boundary



4. View of the west subject property boundary



5. View of the eastern portion of the subject property



6. View of the western portion of the subject property





7. View of hay bales observed throughout the subject property



8. View of the paved easement entrance located along U.S 377 along the western property boundary



9. North Adjacent Property: Single-family residence



10. North Adjacent Property: Agricultural land and associated barn structures and farm equipment



11. East Adjacent Property: Agricultural land



12. South Adjacent Property: Single-family residence



13. South Adjacent Property: Agricultural land / vacant land



14. West Adjacent Property: U.S 377 and agricultural land beyond

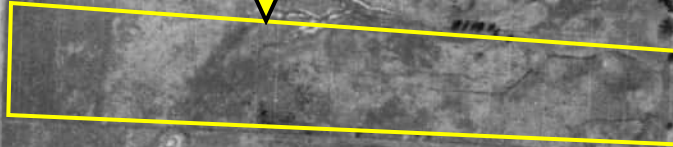
## **APPENDIX B: HISTORICAL/REGULATORY DOCUMENTATION**



one inch



**Subject  
Property**




Year: 1942  
Source: ASCS  
Scale: 1" = 500'  
Comment:

Address: 4354 US-377, AUBREY, TX  
Approx Center: -96.9843326,33.25849086

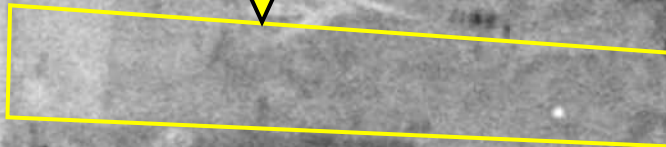
Order No: 22070500539

**PARTNER**



one inch 

**Subject  
Property**



Year: 1952  
Source: AMS  
Scale: 1" = 500'  
Comment: Best Copy Available

Address: 4354 US-377, AUBREY, TX  
Approx Center: -96.9843326,33.25849086

Order No: 22070500539

**PARTNER**





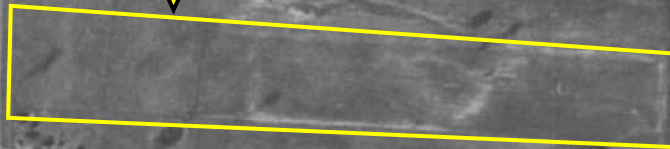
Year: 1968      Address: 4354 US-377, AUBREY, TX  
Source: USGS      Approx Center: -96.9843326,33.25849086  
Scale: 1" = 500'  
Comment: Adjacent Frame Unavailable

Order No: 22070500539

one inch



**Subject  
Property**



Year: 1972  
Source: ASCS  
Scale: 1" = 500'  
Comment:

Address: 4354 US-377, AUBREY, TX  
Approx Center: -96.9843326,33.25849086

Order No: 22070500539

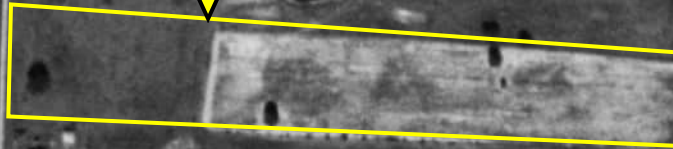
**PARTNER**



one inch



**Subject  
Property**



Year: 1981  
Source: USGS  
Scale: 1" = 500'  
Comment:

Address: 4354 US-377, AUBREY, TX  
Approx Center: -96.9843326,33.25849086

Order No: 22070500539

**PARTNER**



one inch



**Subject  
Property**



Year: 1984  
Source: TXDOT  
Scale: 1" = 500'  
Comment:

Address: 4354 US-377, AUBREY, TX  
Approx Center: -96.9843326,33.25849086

Order No: 22070500539

**PARTNER**



one inch



**Subject  
Property**



Year: 1995  
Source: USGS  
Scale: 1" = 500'  
Comment:

Address: 4354 US-377, AUBREY, TX  
Approx Center: -96.9843326,33.25849086

Order No: 22070500539

**PARTNER**



one inch



**Subject  
Property**



Year: 2004  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: 4354 US-377, AUBREY, TX  
Approx Center: -96.9843326,33.25849086

Order No: 22070500539

**PARTNER**



one inch



**Subject  
Property**



Year: 2006  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: 4354 US-377, AUBREY, TX  
Approx Center: -96.9843326,33.25849086

Order No: 22070500539

**PARTNER**



one inch



**Subject  
Property**



Year: 2008  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: 4354 US-377, AUBREY, TX  
Approx Center: -96.9843326,33.25849086

Order No: 22070500539

**PARTNER**



one inch



**Subject  
Property**



Year: 2010  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: 4354 US-377, AUBREY, TX  
Approx Center: -96.9843326,33.25849086

Order No: 22070500539

**PARTNER**



one inch



**Subject  
Property**



Year: 2012  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: 4354 US-377, AUBREY, TX  
Approx Center: -96.9843326,33.25849086

Order No: 22070500539

**PARTNER**



one inch



**Subject  
Property**



Year: 2014  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: 4354 US-377, AUBREY, TX  
Approx Center: -96.9843326,33.25849086

Order No: 22070500539

**PARTNER**



one inch



**Subject  
Property**



Year: 2016  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: 4354 US-377, AUBREY, TX  
Approx Center: -96.9843326,33.25849086

Order No: 22070500539

**PARTNER**



one inch



**Subject  
Property**



Year: 2018  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: 4354 US-377, AUBREY, TX  
Approx Center: -96.9843326,33.25849086

Order No: 22070500539

**PARTNER**



one inch



**Subject  
Property**



Year: 2020  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: 4354 US-377, AUBREY, TX  
Approx Center: -96.9843326,33.25849086

Order No: 22070500539

**PARTNER**





—  
FIRE  
INSURANCE  
MAPS

**Project Property:** Vacant Land  
4354 US-377  
AUBREY TX 76227

**Project No:** 22-377367.1

**Requested By:** Partner Engineering and Science, Inc.

**Order No:** 22070500539

**Date Completed:** July 06, 2022

---

**Please note that no information was found for your site or adjacent properties.**



---

CITY  
**DIRECTORY**

**Project Property:** *Vacant Land*  
*4354 US-377*  
*AUBREY, TX 76227*

**Project No:** *22-377367.1*

**Requested By:** *Partner Engineering and Science, Inc.*

**Order No:** *22070500539*

**Date Completed:** *July 06, 2022*

July 06, 2022  
RE: CITY DIRECTORY RESEARCH  
4354 US-377  
AUBREY, TX 76227

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

**Search Criteria:**

4200-4400 of S US Highway 377  
All of Stewart Rd

**Search Notes:**

## Search Results Summary

| Date | Source                     | Comment |
|------|----------------------------|---------|
| 2020 | DIGITAL BUSINESS DIRECTORY |         |
| 2016 | DIGITAL BUSINESS DIRECTORY |         |
| 2012 | DIGITAL BUSINESS DIRECTORY |         |
| 2008 | DIGITAL BUSINESS DIRECTORY |         |
| 2003 | DIGITAL BUSINESS DIRECTORY |         |
| 2000 | DIGITAL BUSINESS DIRECTORY |         |
| 1996 | POLKS                      |         |

### Environmental Risk Information Services

*A division of Glacier Media Inc.*

1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)

8858 BRANDON MORRIS...RESIDENTIAL  
8860 BRITTANY KINSEY...RESIDENTIAL  
8901 BARTEL READY MIX...CONCRETE-READY MIXED  
8901 BARTEL READY MIX...CONCRETE MIXERS (WHLs)

4275 DALTON COFFEY...RESIDENTIAL  
4275 KEVIN COFFEY...RESIDENTIAL  
4294 FAYE BAILEY...RESIDENTIAL  
4310 HOLLY COPPEDGE...RESIDENTIAL  
4320 TRUCK TECH LLC...AUTOMOBILE REPAIRING & SERVICE  
4320 TRUCK TECH LLC...AUTOMOBILE BODY-REPAIRING & PAINTING  
4336 DAVID KINNEY...RESIDENTIAL



8901 **BARTEL READY MIX...**CONCRETE-READY MIXED

4294 **FAYE BAILEY...**RESIDENTIAL  
4320 **TRUCK TECH LLC...**AUTOMOBILE BODY-REPAIRING & PAINTING  
4336 **DAVID KINNEY...**RESIDENTIAL  
4336 **JEAN KINNEY...**RESIDENTIAL  
4398 **JESSE BROWN...**RESIDENTIAL  
4398 **TRACY BROWN...**RESIDENTIAL

8858 BRANDON MORRIS...RESIDENTIAL  
8858 BRENDA MORRIS...RESIDENTIAL  
8858 CLINTON MORRIS...RESIDENTIAL  
8858 JUSTIN MORRIS...RESIDENTIAL  
8868 PATRICIA JOHNSON...RESIDENTIAL  
8901 BARTEL READY MIX...CONCRETE-READY MIXED  
8929 SANDRA ORR...RESIDENTIAL

4275 KEVIN COFFEY...RESIDENTIAL  
4310 TEXAS TANNING & KENPO KARATE...TANNING SALONS  
4320 TRUCK TECH LLC...AUTOMOBILE REPAIRING & SERVICE  
4336 BEVERLY KINNEY...RESIDENTIAL  
4336 DAVID KINNEY...RESIDENTIAL  
4336 JEAN KINNEY...RESIDENTIAL

0 **B & B SAND & HAULING**...SAND & GRAVEL (WHOLESALE)  
4390 **H NABAHE**...RESIDENTIAL  
8868 **JUNE JOHNSON**...RESIDENTIAL

4294 **DON BAILEY**...RESIDENTIAL



8911 TEXAS STABILIZATION CO

NO LISTING FOUND

NO LISTING FOUND

NO LISTING FOUND

1996

S US HIGHWAY 377

SOURCE: POLKS

RANGE NOT LISTED

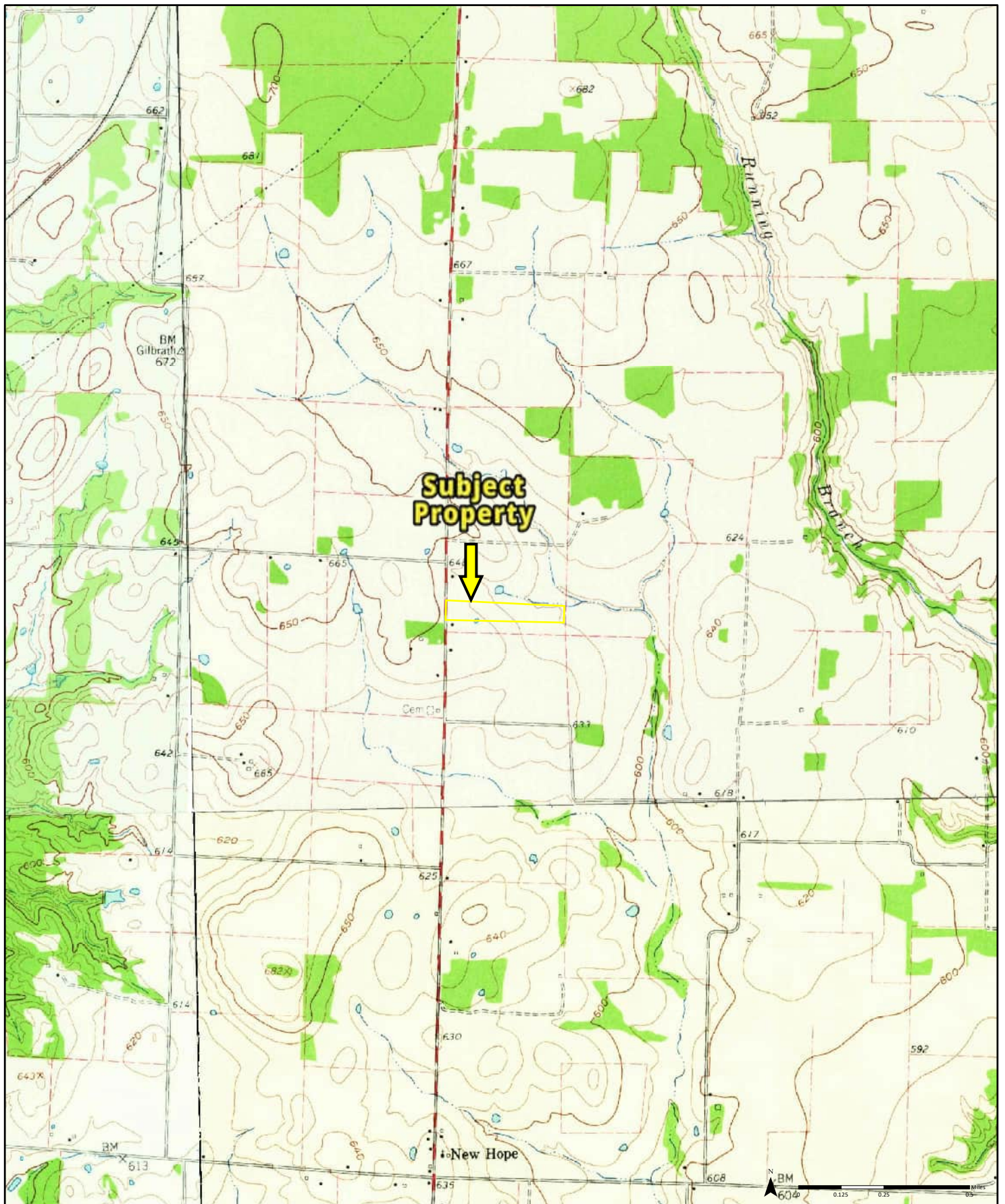
1996

STEWART RD

SOURCE: POLKS

STREET NOT LISTED





**1960** (1-1960) Aerial Photo Year: 1957 (2-1960) Aerial Photo Year: 1957 (3-1960) Aerial Photo Year: 1957 (4-1960) Aerial Photo Year: 1957

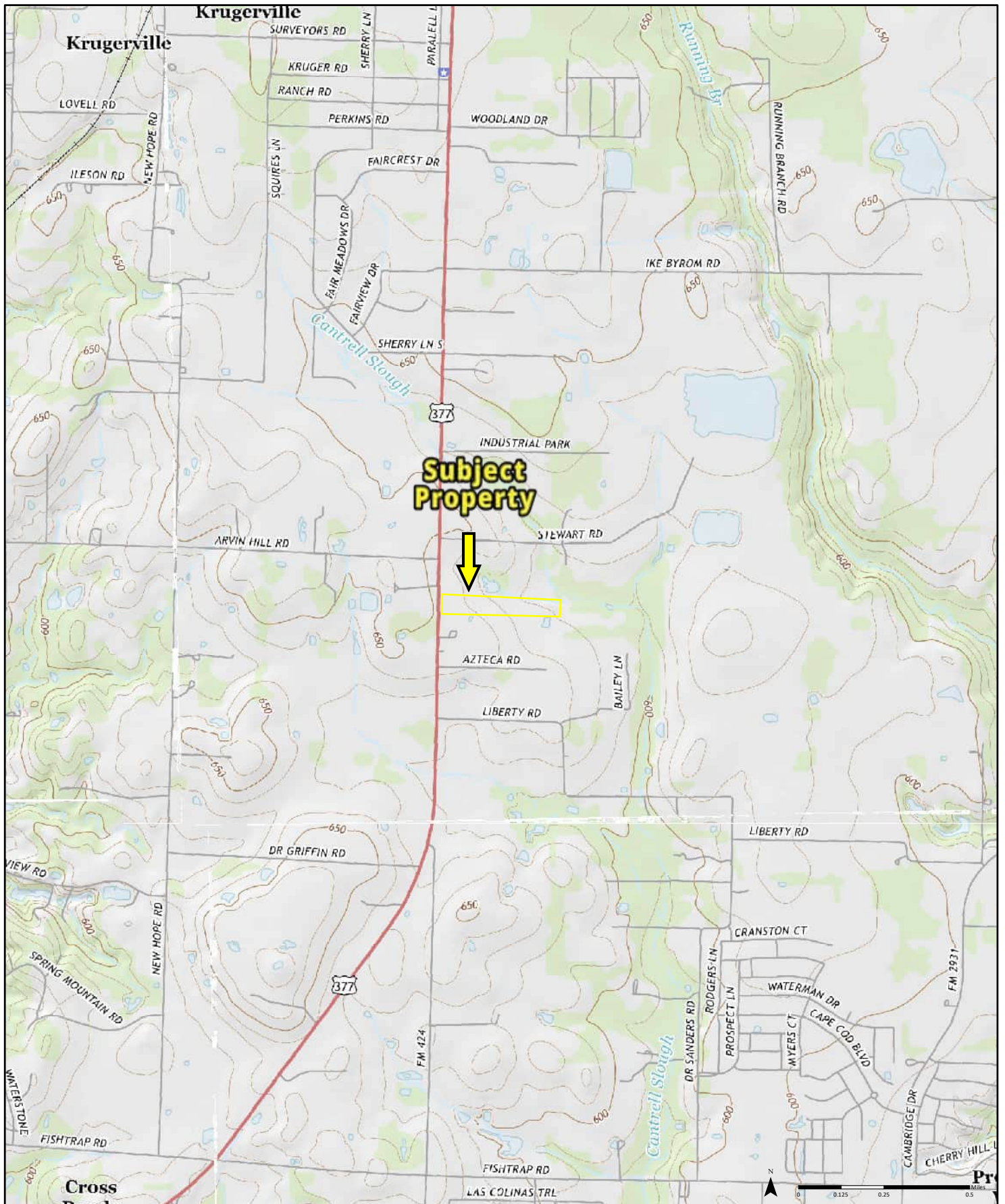
**Quadrangle(s): Denton East, TX(1-1960) | Green Valley, TX(2-1960) | Little Elm, TX(3-1960) | Aubrey, TX(4-1960)**

Order No. 22070500539

Source: USGS 7.5 Minute Topographic Map

**PARTNER**





2016

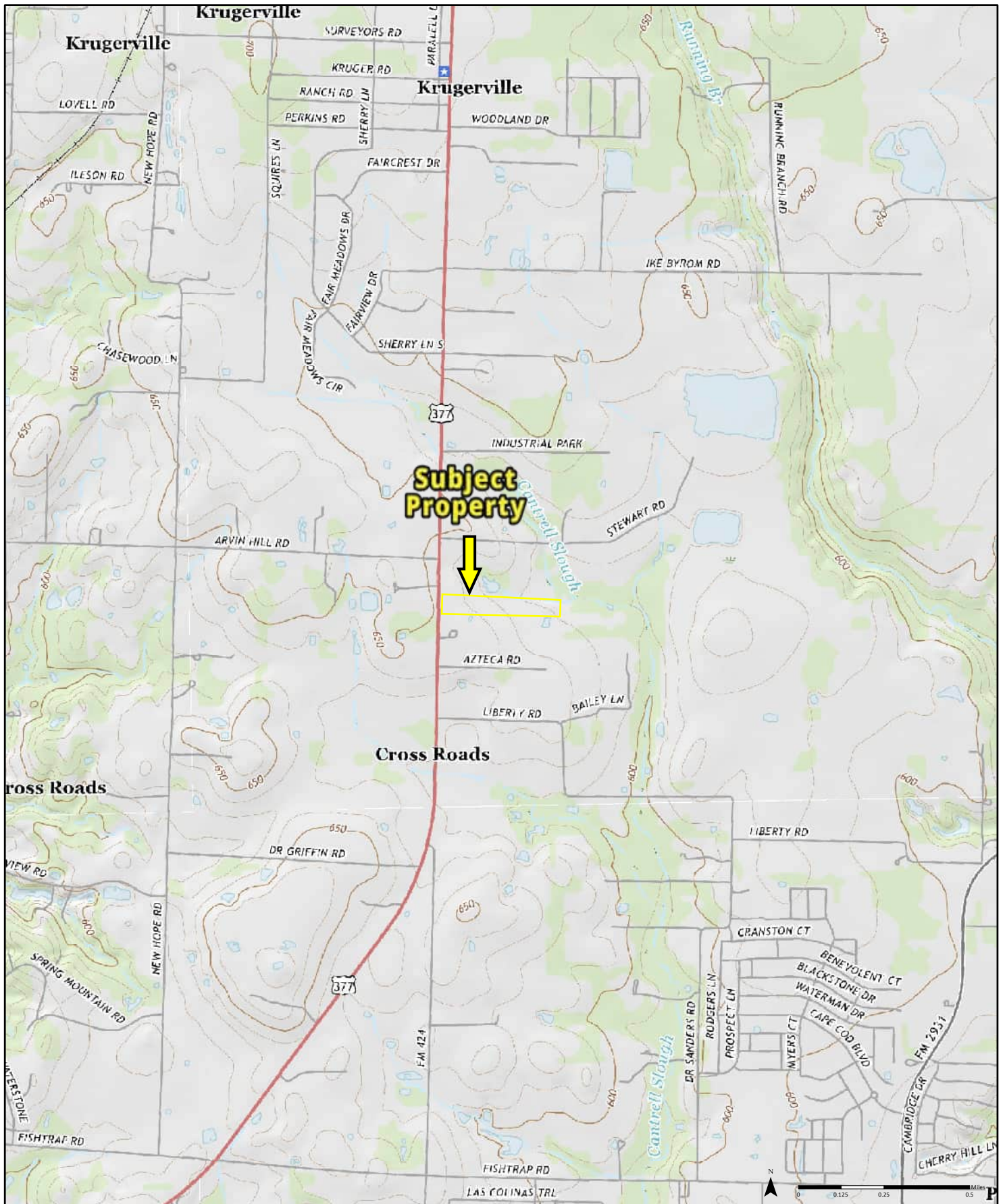
Quadrangle(s): Little Elm, TX | Aubrey, TX | Denton East, TX | Green Valley, TX |

Order No. 22070500539

Source: USGS 7.5 Minute Topographic Map

**PARTNER**





**2019**

Quadrangle(s): Green Valley, TX | Little Elm, TX | Denton East, TX | Aubrey, TX |

Order No. 22070500539

Source: USGS 7.5 Minute Topographic Map

**PARTNER**



# 2021 Consumer Confidence Report for Public Water System CITY OF AUBREY

This is your water quality report for January 1 to December 31, 2021

For more information regarding this report contact:

CITY OF AUBREY provides surface water and ground water from **Trinity aquifer** located in **Aubrey, Denton County**.

Name Joe Hernandez

Phone 940-465-4915

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono (940) 465-4915.

## Definitions and Abbreviations

Definitions and Abbreviations

The following tables contain scientific terms and measures, some of which may require explanation.

Action Level:

The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Avg:

Regulatory compliance with some MCLs are based on running annual average of monthly samples.

Level 1 Assessment:

A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water system.

Level 2 Assessment:

A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an E. coli MCL violation has occurred and/or why total coliform bacteria have been found in our water system on multiple occasions.

Maximum Contaminant Level or MCL:

The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal or MCLG:

The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum residual disinfectant level or MRDL:

The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum residual disinfectant level goal or MRDLG:

The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

MFL

million fibers per liter (a measure of asbestos)

mrem:

millirems per year (a measure of radiation absorbed by the body)

na:

not applicable.

NTU

nephelometric turbidity units (a measure of turbidity)

pCi/L

picocuries per liter (a measure of radioactivity)

## Definitions and Abbreviations

|                            |   |
|----------------------------|---|
| ppb:                       | micrograms per liter or parts per billion   |
| ppm:                       | milligrams per liter or parts per million   |
| ppq                        | parts per quadrillion, or picograms per liter (pg/L)                                |
| ppt                        | parts per trillion, or nanograms per liter (ng/L)                                   |
| Treatment Technique or TT: | A required process intended to reduce the level of a contaminant in drinking water. |

## Information about your Drinking Water

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline at (800) 426-4791.

Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Contaminants may be found in drinking water that may cause taste, color, or odor problems. These types of problems are not necessarily causes for health concerns. For more information on taste, odor, or color of drinking water, please contact the system's business office.

You may be more vulnerable than the general population to certain microbial contaminants, such as *Cryptosporidium*, in drinking water. Infants, some elderly, or immunocompromised persons such as those undergoing chemotherapy for cancer; persons who have undergone organ transplants; those who are undergoing treatment with steroids; and people with HIV/AIDS or other immune system disorders, can be particularly at risk from infections. You should seek advice about drinking water from your physician or health care providers. Additional guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* are available from the Safe Drinking Water Hotline (800-426-4791).

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. We are responsible for providing high quality drinking water, but we cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

### Information about Source Water

TCEQ completed an assessment of your source water, and results indicate that some of our sources are susceptible to certain contaminants. The sampling requirements for your water system is based on this susceptibility and previous sample data. Any detections of these contaminants will be found in this Consumer Confidence Report. For more information on source water assessments and protection efforts at our system contact **Joe Hernandez, 940-440-9097**.

| Lead and Copper | Date Sampled | MCLG | Action Level (AL) | 90th Percentile | # Sites Over AL | Units | Violation | Likely Source of Contamination  |
|-----------------|--------------|------|-------------------|-----------------|-----------------|-------|-----------|---|
| Copper          | 09/01/2020   | 1.3  | 1.3               | 0.075           | 0               | ppm   | N         | Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems. |
| Lead            | 09/01/2020   | 0    | 15                | 1.2             | 0               | ppb   | N         | Corrosion of household plumbing systems; Erosion of natural deposits.                                   |

### 2021 Water Quality Test Results

| Disinfection By-Products | Collection Date | Highest Level Detected | Range of Individual Samples | MCLG                  | MCL | Units | Violation | Likely Source of Contamination             |
|--------------------------|-----------------|------------------------|-----------------------------|-----------------------|-----|-------|-----------|--|
| Haloacetic Acids (HAA5)  | 2021            | 1                      | 0 - 1.3                     | No goal for the total | 60  | ppb   | N         | By-product of drinking water disinfection. |

\*The value in the Highest Level or Average Detected column is the highest average of all HAA5 sample results collected at a location over a year



|                                     |      |   |             |                       |    |     |   |  |
|-------------------------------------|------|---|-------------|-----------------------|----|-----|---|--|
| <b>Total Trihalomethanes (TTHM)</b> | 2021 | 3 | 1.05 - 3.19 | No goal for the total | 80 | ppb | N | By-product of drinking water disinfection. |
|-------------------------------------|------|---|-------------|-----------------------|----|-----|---|--|

\*The value in the Highest Level or Average Detected column is the highest average of all TTHM sample results collected at a location over a year

| Inorganic Contaminants                | Collection Date | Highest Level Detected | Range of Individual Samples | MCLG | MCL | Units | Violation | Likely Source of Contamination  |
|---------------------------------------|-----------------|------------------------|-----------------------------|------|-----|-------|-----------|---|
| <b>Barium</b>                         | 2021            | 0.019                  | 0.012 - 0.019               | 2    | 2   | ppm   | N         | Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.                               |
| <b>Chromium</b>                       | 2021            | 5.2                    | 3.9 - 5.2                   | 100  | 100 | ppb   | N         | Discharge from steel and pulp mills; Erosion of natural deposits.   |
| <b>Fluoride</b>                       | 10/05/2020      | 0.256                  | 0.25 - 0.256                | 4    | 4.0 | ppm   | N         | Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories |
| <b>Nitrate [measured as Nitrogen]</b> | 2021            | 0.0468                 | 0.0371 - 0.0468             | 10   | 10  | ppm   | N         | Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits.                              |

| Radioactive Contaminants       | Collection Date | Highest Level Detected | Range of Individual Samples | MCLG | MCL | Units | Violation | Likely Source of Contamination |
|--------------------------------|-----------------|------------------------|-----------------------------|------|-----|-------|-----------|--------------------------------|
| <b>Combined Radium 226/228</b> | 04/12/2016      | 1.5                    | 1.5 - 1.5                   | 0    | 5   | pCi/L | N         | Erosion of natural deposits.   |

| Volatile Organic Contaminants | Collection Date | Highest Level Detected | Range of Individual Samples | MCLG | MCL | Units | Violation | Likely Source of Contamination   |
|-------------------------------|-----------------|------------------------|-----------------------------|------|-----|-------|-----------|--|
| <b>Xylenes</b>                | 2021            | 0.00076                | 0 - 0.00076                 | 10   | 10  | ppm   | N         | Discharge from petroleum factories; Discharge from chemical factories. |

### Disinfectant Residual

A blank disinfectant residual table has been added to the CCR template, you will need to add data to the fields. Your data can be taken off the Disinfectant Level Quarterly Operating Reports (DLQOR).

| Disinfectant Residual | Year | Average Level | Range of Levels Detected | MRDL | MRDLG | Unit of Measure | Violation (Y/N) | Source in Drinking Water                 |
|-----------------------|------|---------------|--------------------------|------|-------|-----------------|-----------------|--|
| <b>Chlorine</b>       | 2021 | 2.2           | 1-4                      | 4    | 4     | ppm             | N               | Water additive used to control microbes. |

## Violations

| Chlorine   |                 |               |   |
|--|-----------------|---------------|---|
| Some people who use water containing chlorine well in excess of the MRDL could experience irritating effects to their eyes and nose. Some people who drink water containing chlorine well in excess of the MRDL could experience stomach discomfort. |                 |               |   |
| Violation Type   | Violation Begin | Violation End | Violation Explanation   |
| Disinfectant Level Quarterly Operating Report (DLQOR).   | 10/01/2021      | 12/31/2021    | We failed to test our drinking water for the contaminant and period indicated. Because of this failure, we cannot be sure of the quality of our drinking water during the period indicated. |

Failure to Submit a Disinfectant Level Quarterly Operating Report (DLQOR)

MONITORING, ROUTINE (DBP), MAJOR CHLORINE

The CITY OF AUBREY water system PWS ID 0610001 has violated the monitoring and reporting requirements set by Texas Commission on Environmental Quality (TCEQ) in Title 30, Texas Administrative Code (30TAC), Section 290, Subchapter F. Public water systems are required to properly disinfect water before distribution, maintain acceptable disinfection residuals within the distribution system, monitor the disinfectant residual at various locations throughout the distribution system, and report the results of that monitoring to the TCEQ on a quarterly basis.

Results of regular monitoring are an indicator of whether or not your drinking water is safe from microbial contamination.

This/These violation(s) occurred in the monitoring period(s) 4th Quarter 2021.

We are taking the following actions to address this issue:

1. Monitoring occurs daily and a schedule of required monitoring and reporting has been implemented.
2. The water system expects to return to compliance after the issuance of this Public Notice. The DLQOR for the 1st Quarter 2022 results were filed before the deadline. All reported residuals were within compliance.

Please share this information with all people who drink this water, especially those who may not have received this notice directly (i.e., people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

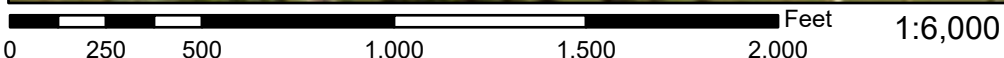
If you have questions regarding this matter, you may contact Joe Hernandez at City Hall at (940) 440-9097.

Posted/Delivered on: May 19, 2022

# National Flood Hazard Layer FIRMMette



96°59'23"W 33°15'44"N



96°58'46"W 33°15'14"N

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- |                                    |  |  |
|------------------------------------|--|--|
| <b>SPECIAL FLOOD HAZARD AREAS</b>  |  | Without Base Flood Elevation (BFE)<br><i>Zone A, V, A99</i>  |
|                                    |  | With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>   |
|                                    |  | Regulatory Floodway  |
| <b>OTHER AREAS OF FLOOD HAZARD</b> |  | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i> |
|                                    |  | Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>  |
|                                    |  | Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>  |
|                                    |  | Area with Flood Risk due to Levee <i>Zone D</i>  |
| <b>OTHER AREAS</b>                 |  | NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>   |
|                                    |  | Effective LOMRs  |
| <b>GENERAL STRUCTURES</b>          |  | Area of Undetermined Flood Hazard <i>Zone D</i>  |
|                                    |  | Channel, Culvert, or Storm Sewer   |
|                                    |  | Levee, Dike, or Floodwall  |
| <b>OTHER FEATURES</b>              |  | 20.2 Cross Sections with 1% Annual Chance  |
|                                    |  | 17.5 Water Surface Elevation   |
|                                    |  | Coastal Transect   |
|                                    |  | Base Flood Elevation Line (BFE)  |
|                                    |  | Limit of Study   |
| <b>MAP PANELS</b>                  |  | Jurisdiction Boundary  |
|                                    |  | Coastal Transect Baseline  |
|                                    |  | Profile Baseline   |
|                                    |  | Hydrographic Feature   |
|                                    |  | Digital Data Available   |
|                                    |  | No Digital Data Available  |
|                                    |  | Unmapped   |
|                                    |  | The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.                                     |



This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

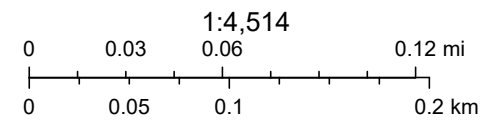
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **7/12/2022 at 5:07 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.





July 12, 2022



Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, Source: Esri, Maxar, Earthstar Geographics, and the GIS User

## Denton CAD

Property Search Results > 302203 BLAKE, RICHARD for Year  
2022

Tax Year: 2022

## Property

## Account

|                           |                      |                    |  |
|---------------------------|----------------------|--------------------|--|
| Property ID:              | 302203               | Legal Description: | A0036A J. BRIDGES, TR 118B, 15.488 ACRES |
| Geographic ID:            | A0036A-000-0118-000B | Zoning:            | Commercial                               |
| Type:                     | Real                 | Agent Code:        |  |
| Property Use Code:        |                      |                    |  |
| Property Use Description: |                      |                    |  |

## Location

|                  |                                    |         |      |
|------------------|------------------------------------|---------|------|
| Address:         | 4354 HWY 377<br>AUBREY, TX 76227   | Mapsco: |      |
| Neighborhood:    | AUBREY ISD LAND LESS THAN 20 ACRES | Map ID: | AU05 |
| Neighborhood CD: | DS02014                            |         |      |

## Owner

|                  |   |              |                 |
|------------------|---|--------------|-----------------|
| Name:            | BLAKE, RICHARD                          | Owner ID:    | 1776929         |
| Mailing Address: | 3908 IDALIA DR<br>AUSTIN, TX 78749-6906 | % Ownership: | 100.0000000000% |

Exemptions:

## Values

|                                       |   |             |                       |
|---------------------------------------|---|-------------|-----------------------|
| (+) Improvement Homesite Value:       | + | \$0         |                       |
| (+) Improvement Non-Homesite Value:   | + | \$0         |                       |
| (+) Land Homesite Value:              | + | \$0         |                       |
| (+) Land Non-Homesite Value:          | + | \$0         | Ag / Timber Use Value |
| (+) Agricultural Market Valuation:    | + | \$1,686,643 | \$976                 |
| (+) Timber Market Valuation:          | + | \$0         | \$0                   |
| -----                                 |   |             |                       |
| (=) Market Value:                     | = | \$1,686,643 |                       |
| (-) Ag or Timber Use Value Reduction: | - | \$1,685,667 |                       |
| -----                                 |   |             |                       |
| (=) Appraised Value:                  | = | \$976       |                       |
| (-) HS Cap:                           | - | \$0         |                       |
| -----                                 |   |             |                       |
| (=) Assessed Value:                   | = | \$976       |                       |

## Taxing Jurisdiction

Owner: BLAKE, RICHARD  
 % Ownership: 100.0000000000%  
 Total Value: \$1,686,643

| Entity | Description                       | Tax Rate | Appraised Value | Taxable Value | Estimated Tax |
|--------|-----------------------------------|----------|-----------------|---------------|---------------|
| CAD    | DENTON CENTRAL APPRAISAL DISTRICT | 0.000000 | \$976           | \$976         | \$0.00        |
| G01    | DENTON COUNTY                     | 0.233086 | \$976           | \$976         | \$2.27        |

|                 |            |          |       |                             |         |
|-----------------|------------|----------|-------|-----------------------------|---------|
| S02             | AUBREY ISD | 1.460300 | \$976 | \$976                       | \$14.25 |
| Total Tax Rate: |            | 1.693386 |       |                             |         |
|                 |            |          |       | Taxes w/Current Exemptions: | \$16.52 |
|                 |            |          |       | Taxes w/o Exemptions:       | \$16.52 |

### Improvement / Building

No improvements exist for this property.

### Land

| # | Type | Description          | Acres   | Sqft      | Eff Front | Eff Depth | Market Value | Prod. Value |
|---|------|----------------------|---------|-----------|-----------|-----------|--------------|-------------|
| 1 | PI 3 | IMPROVED PASTURE III | 15.4880 | 674657.00 | 0.00      | 0.00      | \$1,686,643  | \$976       |

### Roll Value History

| Year | Improvements | Land Market | Ag Valuation | Appraised | HS Cap | Assessed |
|------|--------------|-------------|--------------|-----------|--------|----------|
| 2022 | \$0          | \$1,686,643 | 976          | 976       | \$0    | \$976    |
| 2021 | \$0          | \$692,803   | 805          | 805       | \$0    | \$805    |
| 2020 | \$0          | \$692,803   | 852          | 852       | \$0    | \$852    |
| 2019 | \$0          | \$692,803   | 1,007        | 1,007     | \$0    | \$1,007  |
| 2018 | \$0          | \$692,803   | 1,084        | 1,084     | \$0    | \$1,084  |
| 2017 | \$0          | \$692,803   | 1,084        | 1,084     | \$0    | \$1,084  |
| 2016 | \$0          | \$742,123   | 1,626        | 1,626     | \$0    | \$1,626  |
| 2015 | \$0          | \$742,123   | 1,704        | 1,704     | \$0    | \$1,704  |
| 2014 | \$0          | \$742,123   | 1,626        | 1,626     | \$0    | \$1,626  |
| 2013 | \$0          | \$742,123   | 1,471        | 1,471     | \$0    | \$1,471  |
| 2012 | \$0          | \$742,123   | 1,471        | 1,471     | \$0    | \$1,471  |
| 2011 | \$0          | \$742,123   | 1,471        | 1,471     | \$0    | \$1,471  |
| 2010 | \$0          | \$742,123   | 1,471        | 1,471     | \$0    | \$1,471  |
| 2009 | \$0          | \$742,123   | 1,549        | 1,549     | \$0    | \$1,549  |
| 2008 | \$0          | \$463,128   | 1,626        | 1,626     | \$0    | \$1,626  |

### Deed History - (Last 3 Deed Transactions)

| # | Deed Date  | Type | Description                   | Grantor                                 | Grantee                                 | Volume | Page | Deed Number |
|---|------------|------|-------------------------------|---|---|--------|------|-------------|
| 1 | 12/15/2021 | GN   | GENERAL WD                    | 377<br>LANDMARK<br>ENTERPRISE<br>LLC    | BLAKE,<br>RICHARD                       |        |      | 2021-227388 |
| 2 | 4/2/2021   | KN   | WD W/ASSUMP                   | RUSTIC<br>FURNITURE<br>WAREHOUSE<br>LLC | 377<br>LANDMARK<br>ENTERPRISE<br>LLC    |        |      | 2021-80068  |
| 3 | 1/26/2018  | SWD  | SPECIAL WD WITH VENDOR'S LIEN | WORLDWIDE<br>ROCK<br>ENTERPRISES<br>LP  | RUSTIC<br>FURNITURE<br>WAREHOUSE<br>LLC |        |      | 2018-9788   |

Questions Please Call (940) 349-3800





United States  
Department of  
Agriculture

**NRCS**

Natural  
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Conservation  
Service

A product of the National  
Cooperative Soil Survey,  
a joint effort of the United  
States Department of  
Agriculture and other  
Federal agencies, State  
agencies including the  
Agricultural Experiment  
Stations, and local  
participants

# Custom Soil Resource Report for Denton County, Texas



# Preface

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Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist ([http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2\\_053951](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951)).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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# How Soil Surveys Are Made

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Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

## Custom Soil Resource Report

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and



## Custom Soil Resource Report

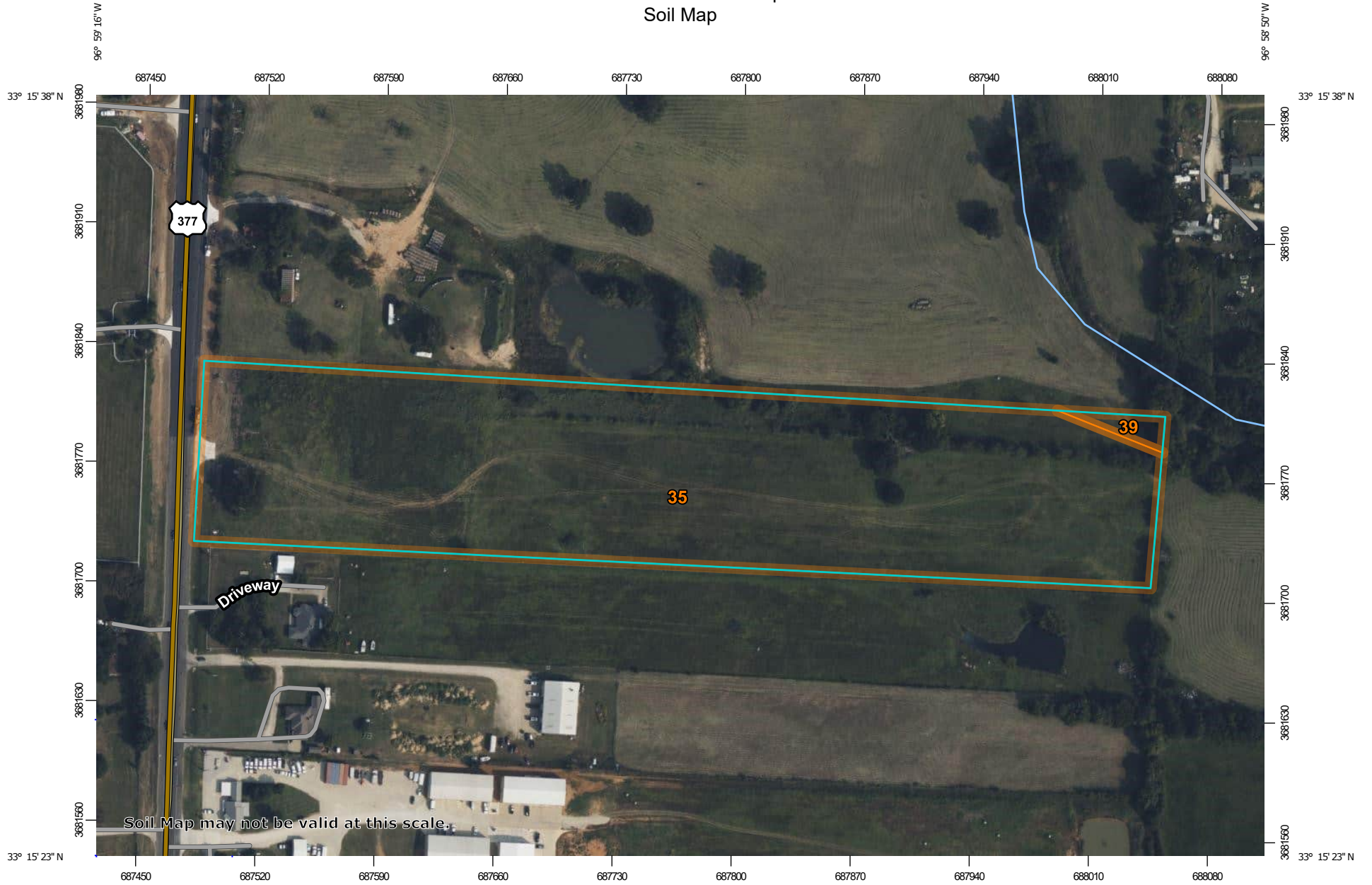
identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

# Soil Map

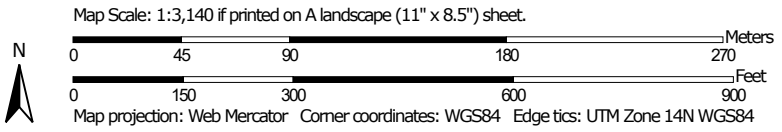
---

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

# Custom Soil Resource Report Soil Map



Soil Map may not be valid at this scale.





### MAP LEGEND

**Area of Interest (AOI)**

 Area of Interest (AOI)




















**Soils**

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

**Special Point Features**






-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features

**Water Features**

 Streams and Canals

**Transportation**

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

**Background**

 Aerial Photography

### MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
 Web Soil Survey URL:  
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Denton County, Texas  
 Survey Area Data: Version 18, Sep 8, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Oct 1, 2020—Oct 3, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

| Map Unit Symbol                    | Map Unit Name                                | Acres in AOI | Percent of AOI |
|------------------------------------|--|--------------|----------------|
| 35                                 | Gasil fine sandy loam, 1 to 3 percent slopes | 14.3         | 98.9%          |
| 39                                 | Gowen clay loam, occasionally flooded        | 0.2          | 1.1%           |
| <b>Totals for Area of Interest</b> |  | <b>14.4</b>  | <b>100.0%</b>  |

## Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however,

## Custom Soil Resource Report

onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

## Denton County, Texas

### 35—Gasil fine sandy loam, 1 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2wn8n  
*Elevation:* 500 to 850 feet  
*Mean annual precipitation:* 35 to 40 inches  
*Mean annual air temperature:* 63 to 66 degrees F  
*Frost-free period:* 220 to 250 days  
*Farmland classification:* All areas are prime farmland

#### Map Unit Composition

*Gasil and similar soils:* 85 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Gasil

##### Setting

*Landform:* Ridges  
*Landform position (two-dimensional):* Summit, shoulder  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Loamy residuum weathered from sandstone

##### Typical profile

*A - 0 to 7 inches:* fine sandy loam  
*E - 7 to 13 inches:* fine sandy loam  
*Bt - 13 to 80 inches:* sandy clay loam

##### Properties and qualities

*Slope:* 1 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high  
(0.57 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Available water supply, 0 to 60 inches:* Moderate (about 8.2 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 2e  
*Hydrologic Soil Group:* B  
*Ecological site:* R084CY194TX - Sandy Loam 37-43 PZ  
*Hydric soil rating:* No

#### Minor Components

##### Callisburg

*Percent of map unit:* 10 percent



## Custom Soil Resource Report

*Landform:* Ridges  
*Landform position (two-dimensional):* Backslope, footslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Concave  
*Across-slope shape:* Linear  
*Ecological site:* R084CY194TX - Sandy Loam 37-43 PZ  
*Hydric soil rating:* No

### **Biome**

*Percent of map unit:* 5 percent  
*Landform:* Ridges  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Ecological site:* R084CY194TX - Sandy Loam 37-43 PZ  
*Hydric soil rating:* No

## **39—Gowen clay loam, occasionally flooded**

### **Map Unit Setting**

*National map unit symbol:* d7sw  
*Elevation:* 200 to 950 feet  
*Mean annual precipitation:* 28 to 40 inches  
*Mean annual air temperature:* 64 to 70 degrees F  
*Frost-free period:* 230 to 270 days  
*Farmland classification:* Not prime farmland

### **Map Unit Composition**

*Gowen and similar soils:* 100 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### **Description of Gowen**

#### **Setting**

*Landform:* Flood plains  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Loamy alluvium

#### **Typical profile**

*H1 - 0 to 23 inches:* clay loam  
*H2 - 23 to 65 inches:* clay loam

#### **Properties and qualities**

*Slope:* 0 to 1 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Negligible  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high  
(0.57 to 1.98 in/hr)

## Custom Soil Resource Report

*Depth to water table:* More than 80 inches  
*Frequency of flooding:* OccasionalNone  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 5 percent  
*Gypsum, maximum content:* 2 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Available water supply, 0 to 60 inches:* High (about 10.8 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* None specified  
*Land capability classification (nonirrigated):* 2w  
*Hydrologic Soil Group:* B  
*Ecological site:* R084CY191TX - Loamy Bottomland 37-43 PZ  
*Hydric soil rating:* No

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- United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.
- United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2\\_053374](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374)
- United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. <http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084>

## Custom Soil Resource Report

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2\\_054242](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242)

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. [http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2\\_053624](http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624)

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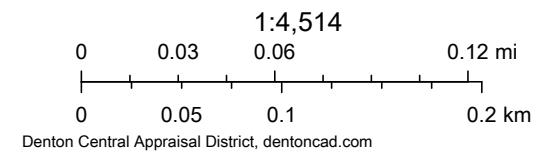


# 4354 Highway 377



7/5/2022, 1:06:26 PM

 Parcels  US  
 MINOR



**CITY OF AUBREY, TEXAS**

**ORDINANCE NO. 635-18**

**AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF AUBREY, TEXAS, APPROVING AND ADOPTING THE OFFICIAL ZONING MAP REPLACEMENT; AND PROVIDING AN EFFECTIVE DATE.**

**WHEREAS**, the City of Aubrey, Texas has an official zoning map as part of Ordinance No. 135-87; and

**WHEREAS**, the City of Aubrey City Council may by ordinance adopt a new official zoning map should the original map be damaged or become ambiguous because of the nature or number of changes and additions. The new official zoning map may correct drafting or other errors or omissions in the prior official zoning map or any subsequent amendment thereof; and

**WHEREAS**, the new official zoning map shall be identified by the signature of the mayor, attested by the city clerk, and bearing the seal of the city under the following words:

“This is to certify that this official zoning map supersedes and replaces the official zoning map adopted December 2015 as a part of the Zoning Ordinance of the City of Aubrey, Texas.”

**WHEREAS**, the new official zoning map reflects only those changes that have been previously authorized by the City Council; and

**WHEREAS**, the City of Aubrey Planning and Zoning Commission and City Council have given the requisite notices and have held the public hearings as required by applicable law and afforded a full and fair hearing to all persons interested, and the City Council has concluded that the Official Zoning Map Replacement should be adopted as follows:

**NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF AUBREY, TEXAS, THAT:**

**Section 1.** All of the matters and facts set out in the recitals above are true and correct, and are incorporated herein as if set forth in full.

**Section 2.** The Council hereby confirms and declares the adoption of the Official Zoning Map Replacement, a copy of which shall be kept on file in the office of the City Secretary.

**Section 3.** This ordinance shall be effective immediately after its passage.

**PASSED AND APPROVED** this 27th day of March, 2018.

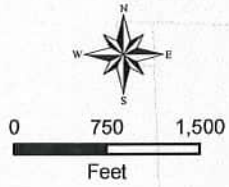
  
Janet Meyers, Mayor



**ATTEST:**

  
Jenny Huckabee, City Secretary



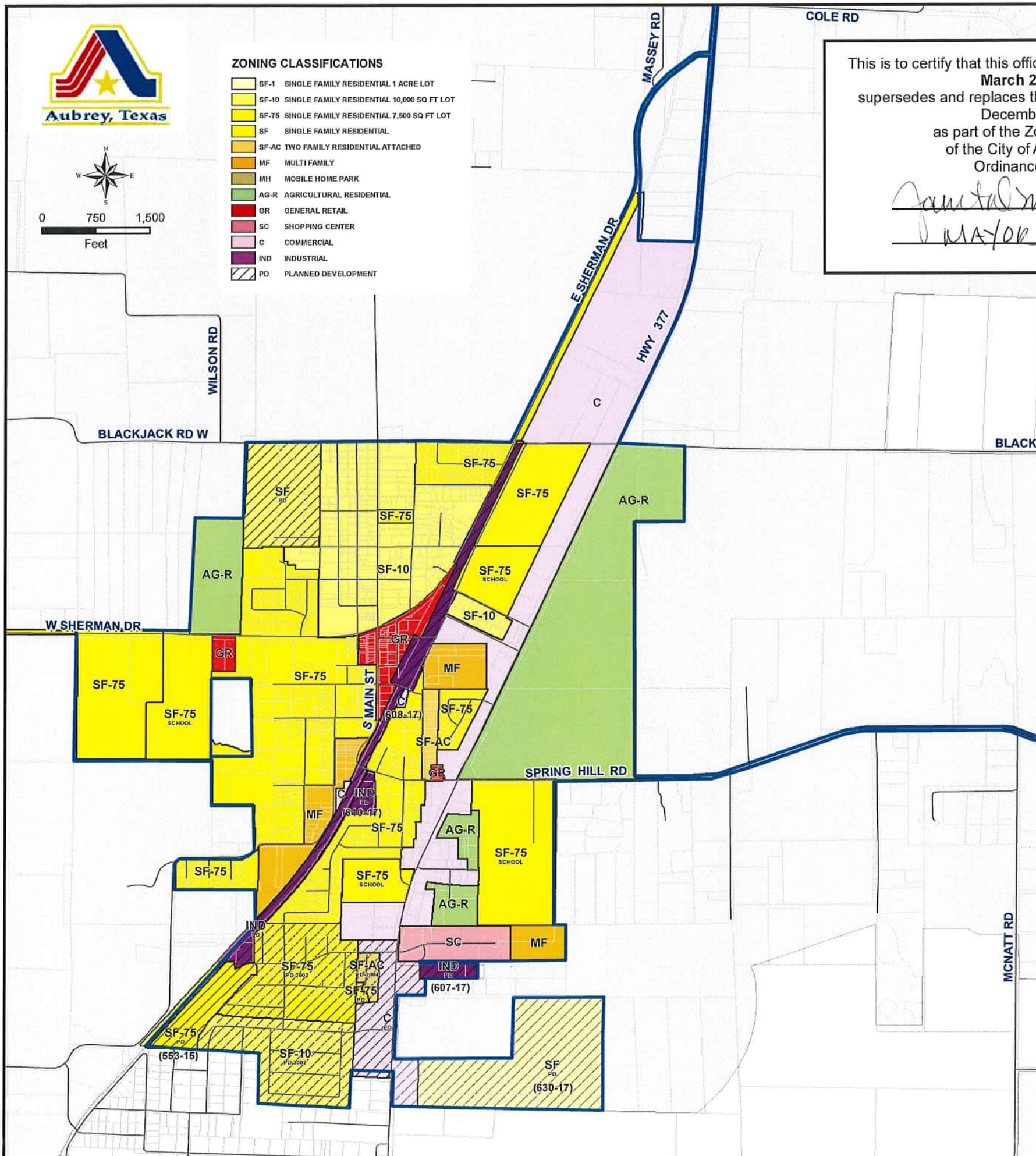
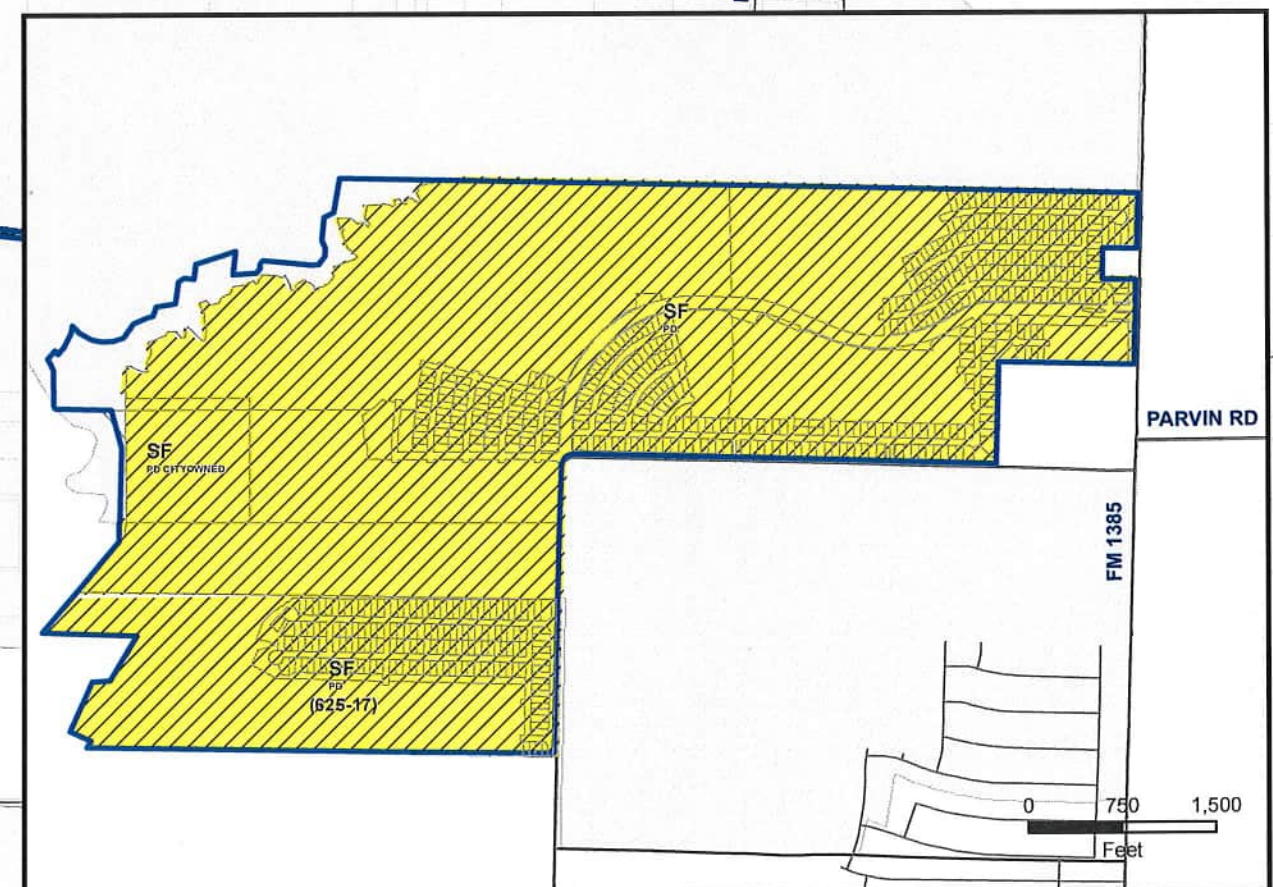
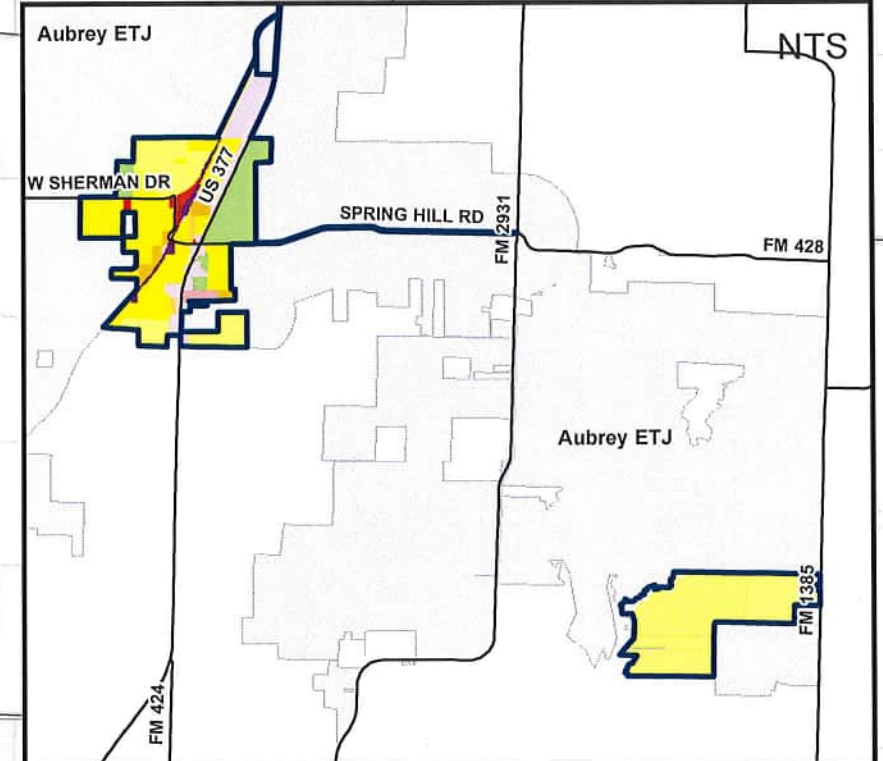


**ZONING CLASSIFICATIONS**

|       |  |
|-------|--|
| SF-1  | SINGLE FAMILY RESIDENTIAL 1 ACRE LOT       |
| SF-10 | SINGLE FAMILY RESIDENTIAL 10,000 SQ FT LOT |
| SF-75 | SINGLE FAMILY RESIDENTIAL 7,500 SQ FT LOT  |
| SF    | SINGLE FAMILY RESIDENTIAL                  |
| SF-AC | TWO FAMILY RESIDENTIAL ATTACHED            |
| MF    | MULTI FAMILY                               |
| MH    | MOBILE HOME PARK                           |
| AG-R  | AGRICULTURAL RESIDENTIAL                   |
| GR    | GENERAL RETAIL                             |
| SC    | SHOPPING CENTER                            |
| C     | COMMERCIAL                                 |
| IND   | INDUSTRIAL                                 |
| PD    | PLANNED DEVELOPMENT                        |

This is to certify that this official zoning map, approved on **March 27, 2018**, supersedes and replaces the map that was adopted in December 2015, as part of the Zoning Ordinance of the City of Aubrey, Texas, Ordinance #635-18

*Janet Meyers*  
MAYOR













July 12, 2022

**Wetlands**

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



McCann, Candice

---

From: Nancy West <Nancy.West@dentoncounty.gov>  
Sent: Monday, July 11, 2022 2:11 PM  
To: Salamanca, Ana  
Cc: Matt Shovlin; Nancy West  
Subject: FW: Open Records Request - 4354 Highway 377

**CAUTION:** This message originated from outside the Partner organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good afternoon, Ana,

Pursuant to your below email request, Denton County Development Services, Engineering, Environmental Health, and Fire Marshal's Office do not have responsive records.

If you have any questions or concerns, please contact our office. Otherwise, this concludes your request.

Best Regards,

Nancy West  
Senior Paralegal  
Denton County Criminal District Attorney's Office - Civil Division  
1450 East McKinney, Suite 3100  
Denton, TX 76202  
Direct 940-349-2757  
Direct Fax 940-349-5757  
[Nancy.west@dentoncounty.gov](mailto:Nancy.west@dentoncounty.gov)

---

From: Salamanca, Ana <[asalamanca@partneresi.com](mailto:asalamanca@partneresi.com)>  
Sent: Tuesday, July 5, 2022 4:22 PM  
To: DC Records <[dcrecords@dentoncounty.gov](mailto:dcrecords@dentoncounty.gov)>  
Subject: Open Records Request - 4354 Highway 377

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---

Good Afternoon,

Partner Engineering and Science, Inc. is conducting an environmental site assessment (ESA) of the subject property located at 4354 Highway 377, Aubrey, Texas. The Denton CAD account number associated with the property is #302203. If available, we are requesting the following information for the property:

- Original building permit and certificate of occupancy, if any
- Building records, permits, and any open violations, if any
- Permits for above ground or underground storage tanks, if any
- Records of any environmental concerns such as spills, cleanups, or testing, if any
- Current zoning
- Any open fire, building, or zoning code violations

Please let me know if any other information is needed for the research concerning the above property and whether there will be a charge and reference Partner project #377367.1.

Thank you,

Ana Salamanca  
Project Assessor

---

PARTNER ENGINEERING AND SCIENCE, INC.  
3800 Maple Avenue, Suite 510, Dallas, TX 75219  
D: 469-902-3968 | C: 469-849-8547

More Than Just Assessments. *Solutions* – For a complete list of services, [click here](#).

McCann, Candice

---

From: Jenny Huckabee <jhuckabee@aubreytx.gov>  
Sent: Tuesday, July 5, 2022 5:08 PM  
To: Salamanca, Ana  
Subject: RE: Open Records Request - 4354 Highway 377

**CAUTION:** This message originated from outside the Partner organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Ana,

The City of Aubrey only has the jurisdiction for fire services at this location. We have no records fire related that are responsive to your request. You will want to check with Denton County or maybe the City of Krugerville for the remaining items.

Thanks,

Jenny

---

Jenny Huckabee | City Secretary | jhuckabee@aubreytx.gov | Office: 940-440-9343 x100 | Fax: 940-365-1215

City of Aubrey | 107 S. Main Street | Aubrey, TX 76227

---

From: Salamanca, Ana <asalamanca@partneresi.com>  
Sent: Tuesday, July 05, 2022 1:16 PM  
To: City Secretary <CitySecretary@aubreytx.gov>  
Subject: Open Records Request - 4354 Highway 377

Good Afternoon,

Partner Engineering and Science, Inc. is conducting an environmental site assessment (ESA) of the subject property located at 4354 Highway 377, Aubrey, Texas. The Denton CAD account number associated with the property is #302203. If available, we are requesting the following information for the property:

- Original building permit and certificate of occupancy, if any
- Building records, permits, and any open violations, if any
- Permits for above ground or underground storage tanks, if any
- Records of any environmental concerns such as spills, cleanups, or testing, if any
- Current zoning
- Any open fire, building, or zoning code violations

Please let me know if any other information is needed for the research concerning the above property and whether there will be a charge and reference Partner project #377367.1.

Thanks so much,

Ana Salamanca  
Project Assessor

---

PARTNER ENGINEERING AND SCIENCE, INC.  
3800 Maple Avenue, Suite 510, Dallas, TX 75219  
D: 469-902-3968 | C: 469-849-8547

More Than Just Assessments. *Solutions* – For a complete list of services, [click here](#).



## ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

Please complete to the best of your knowledge. For those questions that are not applicable, please respond with an "N/A". For those questions that are unknown, please respond with "unknown".

### 1. PROPERTY INFORMATION:

|   |    |       |
|---|----|-------|
| Property Name:<br>Blake Richards  |    |       |
| Property Address:<br>3454 Highway 377   |    |       |
| Aubrey  | Tx | 76227 |
| Assessor's Parcel Number<br>Property ID 302203  |    |       |
| Property Owner & Contact Information:<br>Blake Richards 832-338-9997 <a href="mailto:blakerichardsrealty@yahoo.com">blakerichardsrealty@yahoo.com</a> |    |       |
| Date Property Owner Purchased:<br>Approximately Dec 15, 2021  |    |       |
| Key Site Manager & Contact Information:   |    |       |

### 2. COMPLETED BY

|                                |                                       |
|--------------------------------|---------------------------------------|
| Signature<br>Blake Richards    | Date<br>7/8/2022                      |
| Printed Name<br>Blake Richards | Relation to Subject Property<br>Owner |

### 3. PREVIOUS INVESTIGATIONS

Have any previous environmental investigations been performed at the property, including Phase I ESAs, Phase II Subsurface Investigations, Remediation, Asbestos or Lead-Based Paint surveys? N/A  
\_\_\_\_\_  
(If yes, please provide copies)

### 4. PROPERTY DESCRIPTION

Property Size: 15.488 Number of Building(s): N/A

Size of Building(s):  
N/A

Date of Construction: N/A

Property Type: (please circle)

Multi-Family Hotel Mobile Home Park Retail/Commercial Industrial Office

Other: N/A

Please provide Rent Roll if Applicable.

Historical Use of Property: N/A

**5. SURROUNDING PROPERTY USES**

| DIRECTION | USE     |
|-----------|---------|
| North     | UNKNOWN |
| South     | UNKNOWN |
| East      | UNKNOWN |
| West      | UNKNOWN |

Are you aware of any potential environmental concerns associated with surrounding properties?

\_\_\_\_\_ YES \_\_\_\_\_ X \_\_\_\_\_ NO

If yes, please describe: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**6. UTILITIES & SERVICES**

Please provide the name of the utility or contractor providing the following:

|                |              |                      |              |
|----------------|--------------|----------------------|--------------|
| Electric       | UNKNOWN_____ | Bio-hazardous Waste  | UNKNOWN_____ |
| Gas            | UNKNOWN_____ | Elevator Maintenance | UNKNOWN_____ |
| Potable Water  | UNKNOWN_____ | Used Grease          | UNKNOWN_____ |
| Sanitary Sewer | UNKNOWN_____ | Hazardous Waste      | UNKNOWN_____ |

**7. ON SITE OPERATIONS**

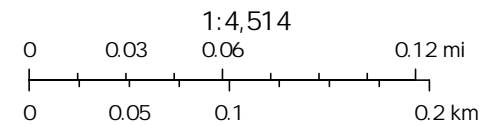
| Are you aware of any of the following conditions, either past or present, on the property? |   |                         |
|--|---|-------------------------|
| Condition  | Response  | If yes, please describe |
| 1. Stored Chemicals  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                         |
| 2. Underground Storage Tanks   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                         |
| 3. Aboveground Storage Tanks   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                         |
| 4. Spills or Releases  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                         |
| 5. Dump Areas/Landfills  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                         |
| 6. Waste Treatment Systems   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                         |
| 7. Clarifiers/Separators   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                         |
| 8. Vents/Odors   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                         |
| 9. Floor Drains/Sumps  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                         |
| 10. Stained Soil   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                         |
| 11. Electrical Transformers  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                         |
| 12. Hydraulic Lifts/Elevators  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                         |
| 13. Dry Cleaning Operations  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                         |
| 14. Oil/Gas/Water/Monitoring Wells   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                         |
| 15. Environmental Permits  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |                         |

# 3454 US -377



7/5/2022, 1:38:57 PM

 Parcels  US  
 MINOR



Denton Central Appraisal District, dentoncad.com

Denton County Appraisal District, Harris Govern -- [www.harrisgovern.com](http://www.harrisgovern.com)

This product is for informational purposes only and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries.

## **APPENDIX C: REGULATORY DATABASE REPORT**

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# DATABASE REPORT

**Project Property:** *Vacant Land  
4354 US-377  
AUBREY TX 76227*

**Project No:** *22-377367.1*

**Report Type:** *Database Report*

**Order No:** *22070500539*

**Requested by:** *Partner Engineering and Science, Inc.*

**Date Completed:** *July 5, 2022*

**Environmental Risk Information Services**

*A division of Glacier Media Inc.*

1.866.517.5204 | [info@erisinfo.com](mailto:info@erisinfo.com) | [erisinfo.com](http://erisinfo.com)

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## **Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY**

**Reliance on information in Report:** This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as database review of environmental records.

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# Executive Summary

## Property Information:

**Project Property:** *Vacant Land  
4354 US-377 AUBREY TX 76227*

**Project No:** *22-377367.1*

### **Coordinates:**

**Latitude:** *33.25849086*  
**Longitude:** *-96.9843326*  
**UTM Northing:** *3,681,755.57*  
**UTM Easting:** *687,759.82*  
**UTM Zone:** *14S*

**Elevation:** *629 FT*

## Order Information:

**Order No:** *22070500539*  
**Date Requested:** *July 5, 2022*  
**Requested by:** *Partner Engineering and Science, Inc.*  
**Report Type:** *Database Report*

## Historicals/Products:

**Aerial Photographs** *Historical Aerials (with Project Boundaries)*  
**City Directory Search** *Smart CD Search*  
**ERIS Xplorer** [\*ERIS Xplorer\*](#)  
**Excel Add-On** *Excel Add-On*  
**Fire Insurance Maps** *US Fire Insurance Maps*  
**Physical Setting Report (PSR)** *Physical Setting Report (PSR)*  
**Topographic Map** *Topographic Maps*  
**Vapor Screening Tool** *Vapor Screening Tool*

# Executive Summary: Report Summary

| <i>Database</i>                              | <i>Searched</i> | <i>Search Radius</i> | <i>Project Property</i> | <i>Within 0.12mi</i> | <i>0.125mi to 0.25mi</i> | <i>0.25mi to 0.50mi</i> | <i>0.50mi to 1.00mi</i> | <i>Total</i> |
|--|-----------------|----------------------|-------------------------|----------------------|--------------------------|-------------------------|-------------------------|--------------|
| <b><u>Standard Environmental Records</u></b> |                 |                      |                         |                      |                          |                         |                         |              |
| <b>Federal</b>                               |                 |                      |                         |                      |                          |                         |                         |              |
| DOE FUSRAP                                   | Y               | 1                    | 0                       | 0                    | 0                        | 0                       | 0                       | 0            |
| NPL  | Y               | 1                    | 0                       | 0                    | 0                        | 0                       | 0                       | 0            |
| PROPOSED NPL                                 | Y               | 1                    | 0                       | 0                    | 0                        | 0                       | 0                       | 0            |
| DELETED NPL                                  | Y               | 0.5                  | 0                       | 0                    | 0                        | 0                       | -                       | 0            |
| SEMS   | Y               | 0.5                  | 0                       | 0                    | 0                        | 0                       | -                       | 0            |
| ODI  | Y               | 0.5                  | 0                       | 0                    | 0                        | 0                       | -                       | 0            |
| SEMS ARCHIVE                                 | Y               | 0.5                  | 0                       | 0                    | 0                        | 0                       | -                       | 0            |
| CERCLIS                                      | Y               | 0.5                  | 0                       | 0                    | 0                        | 0                       | -                       | 0            |
| IODI   | Y               | 0.5                  | 0                       | 0                    | 0                        | 0                       | -                       | 0            |
| CERCLIS NFRAP                                | Y               | 0.5                  | 0                       | 0                    | 0                        | 0                       | -                       | 0            |
| CERCLIS LIENS                                | Y               | PO                   | 0                       | -                    | -                        | -                       | -                       | 0            |
| RCRA CORRACTS                                | Y               | 1                    | 0                       | 0                    | 0                        | 0                       | 0                       | 0            |
| RCRA TSD                                     | Y               | 0.5                  | 0                       | 0                    | 0                        | 0                       | -                       | 0            |
| RCRA LQG                                     | Y               | 0.25                 | 0                       | 0                    | 0                        | -                       | -                       | 0            |
| RCRA SQG                                     | Y               | 0.25                 | 0                       | 0                    | 0                        | -                       | -                       | 0            |
| RCRA VSQG                                    | Y               | 0.25                 | 0                       | 0                    | 0                        | -                       | -                       | 0            |
| RCRA NON GEN                                 | Y               | 0.25                 | 0                       | 0                    | 0                        | -                       | -                       | 0            |
| RCRA CONTROLS                                | Y               | 0.5                  | 0                       | 0                    | 0                        | 0                       | -                       | 0            |
| FED ENG                                      | Y               | 0.5                  | 0                       | 0                    | 0                        | 0                       | -                       | 0            |
| FED INST                                     | Y               | 0.5                  | 0                       | 0                    | 0                        | 0                       | -                       | 0            |
| LUCIS  | Y               | 0.5                  | 0                       | 0                    | 0                        | 0                       | -                       | 0            |
| NPL IC                                       | Y               | 0.5                  | 0                       | 0                    | 0                        | 0                       | -                       | 0            |
| ERNS 1982 TO 1986                            | Y               | PO                   | 0                       | -                    | -                        | -                       | -                       | 0            |
| ERNS 1987 TO 1989                            | Y               | PO                   | 0                       | -                    | -                        | -                       | -                       | 0            |
| ERNS   | Y               | PO                   | 0                       | -                    | -                        | -                       | -                       | 0            |
| FED BROWNFIELDS                              | Y               | 0.5                  | 0                       | 0                    | 0                        | 0                       | -                       | 0            |
| FEMA UST                                     | Y               | 0.25                 | 0                       | 0                    | 0                        | -                       | -                       | 0            |



| Database          | Searched | Search Radius | Project Property | Within 0.12mi | 0.125mi to 0.25mi | 0.25mi to 0.50mi | 0.50mi to 1.00mi | Total |
|-------------------|----------|---------------|------------------|---------------|-------------------|------------------|------------------|-------|
| FRP               | Y        | 0.25          | 0                | 0             | 0                 | -                | -                | 0     |
| DELISTED FRP      | Y        | 0.25          | 0                | 0             | 0                 | -                | -                | 0     |
| HIST GAS STATIONS | Y        | 0.25          | 0                | 0             | 0                 | -                | -                | 0     |
| REFN              | Y        | 0.25          | 0                | 0             | 0                 | -                | -                | 0     |
| BULK TERMINAL     | Y        | 0.25          | 0                | 0             | 0                 | -                | -                | 0     |
| SEMS LIEN         | Y        | PO            | 0                | -             | -                 | -                | -                | 0     |
| SUPERFUND ROD     | Y        | 1             | 0                | 0             | 0                 | 0                | 0                | 0     |

**State**

|               |   |      |   |   |   |   |   |   |
|---------------|---|------|---|---|---|---|---|---|
| SUPERFUND     | Y | 1    | 0 | 0 | 0 | 0 | 0 | 0 |
| SHWS          | Y | 1    | 0 | 0 | 0 | 0 | 0 | 0 |
| DELISTED SHWS | Y | 1    | 0 | 0 | 0 | 0 | 0 | 0 |
| SWF/LF        | Y | 0.5  | 0 | 0 | 0 | 0 | - | 0 |
| CLI           | Y | 0.5  | 0 | 0 | 0 | 0 | - | 0 |
| HGAC CLI      | Y | 0.5  | 0 | 0 | 0 | 0 | - | 0 |
| AACOG CLI     | Y | 0.5  | 0 | 0 | 0 | 0 | - | 0 |
| IHW           | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| IHW RECEIVER  | Y | 0.5  | 0 | 0 | 0 | 0 | - | 0 |
| RWS           | Y | 0.5  | 0 | 0 | 0 | 0 | - | 0 |
| LPST          | Y | 0.5  | 0 | 0 | 0 | 2 | - | 2 |
| DELISTED LST  | Y | 0.5  | 0 | 0 | 0 | 0 | - | 0 |
| UST           | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| AST           | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| PST           | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| HIST TANK     | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| UST AUSTIN    | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| PETROL CAVERN | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| DTNK          | Y | 0.25 | 0 | 0 | 0 | - | - | 0 |
| AUL           | Y | 0.5  | 0 | 0 | 0 | 0 | - | 0 |
| VCP           | Y | 0.5  | 0 | 0 | 0 | 0 | - | 0 |
| VCP RRC       | Y | 0.5  | 0 | 0 | 0 | 0 | - | 0 |
| OP CLEANUP    | Y | 0.5  | 0 | 0 | 0 | 0 | - | 0 |
| IOP           | Y | 0.5  | 0 | 0 | 0 | 0 | - | 0 |
| BROWNFIELDS   | Y | 0.5  | 0 | 0 | 0 | 0 | - | 0 |
| BROWN RRC     | Y | 0.5  | 0 | 0 | 0 | 0 | - | 0 |

| Database      | Searched | Search Radius | Project Property | Within 0.12mi | 0.125mi to 0.25mi | 0.25mi to 0.50mi | 0.50mi to 1.00mi | Total |
|---------------|----------|---------------|------------------|---------------|-------------------|------------------|------------------|-------|
| MSD           | Y        | 0.5           | 0                | 0             | 0                 | 0                | -                | 0     |
| <b>Tribal</b> |          |               |                  |               |                   |                  |                  |       |
| INDIAN LUST   | Y        | 0.5           | 0                | 0             | 0                 | 0                | -                | 0     |
| INDIAN UST    | Y        | 0.25          | 0                | 0             | 0                 | -                | -                | 0     |
| DELISTED ILST | Y        | 0.5           | 0                | 0             | 0                 | 0                | -                | 0     |
| DELISTED IUST | Y        | 0.25          | 0                | 0             | 0                 | -                | -                | 0     |

**County** *No County standard environmental record sources available for this State.*

**Additional Environmental Records**

**Federal**

|                   |   |       |   |   |   |   |   |   |
|-------------------|---|-------|---|---|---|---|---|---|
| FINDS/FRS         | Y | PO    | 0 | - | - | - | - | 0 |
| TRIS              | Y | PO    | 0 | - | - | - | - | 0 |
| PFAS TRI          | Y | 0.5   | 0 | 0 | 0 | 0 | - | 0 |
| PFAS NPL          | Y | 0.5   | 0 | 0 | 0 | 0 | - | 0 |
| PFAS WATER        | Y | 0.5   | 0 | 0 | 0 | 0 | - | 0 |
| PFAS SSEHRI       | Y | 0.5   | 0 | 0 | 0 | 0 | - | 0 |
| ERNS PFAS         | Y | 0.5   | 0 | 0 | 0 | 0 | - | 0 |
| HMIRS             | Y | 0.125 | 0 | 0 | - | - | - | 0 |
| NCDL              | Y | 0.125 | 0 | 0 | - | - | - | 0 |
| TSCA              | Y | 0.125 | 0 | 0 | - | - | - | 0 |
| HIST TSCA         | Y | 0.125 | 0 | 0 | - | - | - | 0 |
| FTTS ADMIN        | Y | PO    | 0 | - | - | - | - | 0 |
| FTTS INSP         | Y | PO    | 0 | - | - | - | - | 0 |
| PRP               | Y | PO    | 0 | - | - | - | - | 0 |
| SCRD DRYCLEANER   | Y | 0.5   | 0 | 0 | 0 | 0 | - | 0 |
| ICIS              | Y | PO    | 0 | - | - | - | - | 0 |
| FED DRYCLEANERS   | Y | 0.25  | 0 | 0 | 0 | - | - | 0 |
| DELISTED FED DRY  | Y | 0.25  | 0 | 0 | 0 | - | - | 0 |
| FUDS              | Y | 1     | 0 | 0 | 0 | 0 | 0 | 0 |
| FORMER NIKE       | Y | 1     | 0 | 0 | 0 | 0 | 0 | 0 |
| PIPELINE INCIDENT | Y | PO    | 0 | - | - | - | - | 0 |
| MLTS              | Y | PO    | 0 | - | - | - | - | 0 |
| HIST MLTS         | Y | PO    | 0 | - | - | - | - | 0 |
| MINES             | Y | 0.25  | 0 | 0 | 0 | - | - | 0 |
| SMCRA             | Y | 1     | 0 | 0 | 0 | 0 | 0 | 0 |

| Database        | Searched | Search Radius | Project Property | Within 0.12mi | 0.125mi to 0.25mi | 0.25mi to 0.50mi | 0.50mi to 1.00mi | Total |
|-----------------|----------|---------------|------------------|---------------|-------------------|------------------|------------------|-------|
| MRDS            | Y        | 1             | 0                | 0             | 0                 | 0                | 0                | 0     |
| URANIUM         | Y        | 1             | 0                | 0             | 0                 | 0                | 0                | 0     |
| ALT FUELS       | Y        | 0.25          | 0                | 0             | 0                 | -                | -                | 0     |
| CONSENT DECREES | Y        | 0.25          | 0                | 0             | 0                 | -                | -                | 0     |
| AFS             | Y        | PO            | 0                | -             | -                 | -                | -                | 0     |
| SSTS            | Y        | 0.25          | 0                | 0             | 0                 | -                | -                | 0     |
| PCBT            | Y        | 0.5           | 0                | 0             | 0                 | 0                | -                | 0     |
| PCB             | Y        | 0.5           | 0                | 0             | 0                 | 0                | -                | 0     |

**State**

|                      |   |       |   |   |   |   |   |   |
|----------------------|---|-------|---|---|---|---|---|---|
| PRIORITY CLEAN       | Y | 0.5   | 0 | 0 | 0 | 0 | - | 0 |
| DRYCLEANERS          | Y | 0.25  | 0 | 0 | 0 | - | - | 0 |
| DELISTED DRYCLEANERS | Y | 0.25  | 0 | 0 | 0 | - | - | 0 |
| GWCC                 | Y | 0.125 | 0 | 0 | - | - | - | 0 |
| GWCC HIST            | Y | 0.125 | 0 | 0 | - | - | - | 0 |
| APAR                 | Y | 0.5   | 0 | 0 | 0 | 0 | - | 0 |
| SPILLS               | Y | 0.125 | 0 | 0 | - | - | - | 0 |
| PFAS                 | Y | 0.5   | 0 | 0 | 0 | 0 | - | 0 |
| IHW CORR ACTION      | Y | 1     | 0 | 0 | 0 | 0 | 0 | 0 |
| LAND APPL            | Y | 0.25  | 0 | 0 | 0 | - | - | 0 |
| NOV                  | Y | 0.25  | 0 | 0 | 0 | - | - | 0 |
| NOE                  | Y | 0.25  | 0 | 0 | 0 | - | - | 0 |
| LIENS                | Y | PO    | 0 | - | - | - | - | 0 |
| ORD                  | Y | 0.25  | 0 | 0 | 0 | - | - | 0 |
| HIST RCRA GEN        | Y | 0.125 | 0 | 0 | - | - | - | 0 |
| RTOL                 | Y | 0.25  | 0 | 0 | 0 | - | - | 0 |
| UIC                  | Y | 0.25  | 0 | 0 | 0 | - | - | 0 |
| IHW GENERATOR        | Y | 0.125 | 0 | 0 | - | - | - | 0 |
| IHW TRANSPORT        | Y | 0.125 | 0 | 0 | - | - | - | 0 |
| AIR PERMITS          | Y | 0.25  | 0 | 0 | 0 | - | - | 0 |
| EMISSIONS            | Y | 0.25  | 0 | 0 | 0 | - | - | 0 |
| TIER 2               | Y | 0.125 | 0 | 0 | - | - | - | 0 |
| EDWARDS AQUIFER      | Y | PO    | 0 | - | - | - | - | 0 |

**Tribal**

*No Tribal additional environmental record sources available for this State.*

**County**

*No County additional environmental record sources available for this State.*

| <i>Database</i> | <i>Searched</i> | <i>Search Radius</i> | <i>Project Property</i> | <i>Within 0.12mi</i> | <i>0.125mi to 0.25mi</i> | <i>0.25mi to 0.50mi</i> | <i>0.50mi to 1.00mi</i> | <i>Total</i> |
|-----------------|-----------------|----------------------|-------------------------|----------------------|--------------------------|-------------------------|-------------------------|--------------|
| <hr/>           |                 |                      |                         |                      |                          |                         |                         |              |
|                 | <i>Total:</i>   |                      | 0                       | 0                    | 0                        | 2                       | 0                       | 2            |

*\* PO – Property Only*

*\* 'Property and adjoining properties' database search radii are set at 0.25 miles.*



## Executive Summary: Site Report Summary - Project Property

| <i>Map<br/>Key</i> | <i>DB</i> | <i>Company/Site Name</i> | <i>Address</i> | <i>Direction</i> | <i>Distance<br/>(mi/ft)</i> | <i>Elev Diff<br/>(ft)</i> | <i>Page<br/>Number</i> |
|--------------------|-----------|--------------------------|----------------|------------------|-----------------------------|---------------------------|------------------------|
|--------------------|-----------|--------------------------|----------------|------------------|-----------------------------|---------------------------|------------------------|

No records found in the selected databases for the project property.

## Executive Summary: Site Report Summary - Surrounding Properties

| <i>Map Key</i>  | <i>DB</i> | <i>Company/Site Name</i> | <i>Address</i>                  | <i>Direction</i> | <i>Distance (mi/ft)</i> | <i>Elev Diff (ft)</i> | <i>Page Number</i> |
|---|-----------|--------------------------|---------------------------------|------------------|-------------------------|-----------------------|--------------------|
| <a href="#">1</a>   | LPST      | FORMER TRADE POST        | HWY 377<br>KRUGERVILLE TX 76227 | NE               | 0.29 /<br>1,550.64      | 3                     | <a href="#">17</a> |
| <i>LPST ID: 110061</i>  |           |                          |                                 |                  |                         |                       |                    |
| <i>Closure Date   Corrective Action Status: 3/4/2005   6A - FINAL CONCURRENCE ISSUED</i>  |           |                          |                                 |                  |                         |                       |                    |
| <a href="#">1</a>   | LPST      | PENNINGTON TIRE          | HWY 377<br>AUBREY TX 76227      | NE               | 0.29 /<br>1,550.64      | 3                     | <a href="#">17</a> |
| <i>LPST ID: 114427</i>  |           |                          |                                 |                  |                         |                       |                    |
| <i>Closure Date   Corrective Action Status: 5/11/2000   6A - FINAL CONCURRENCE ISSUED</i> |           |                          |                                 |                  |                         |                       |                    |

## Executive Summary: Summary by Data Source

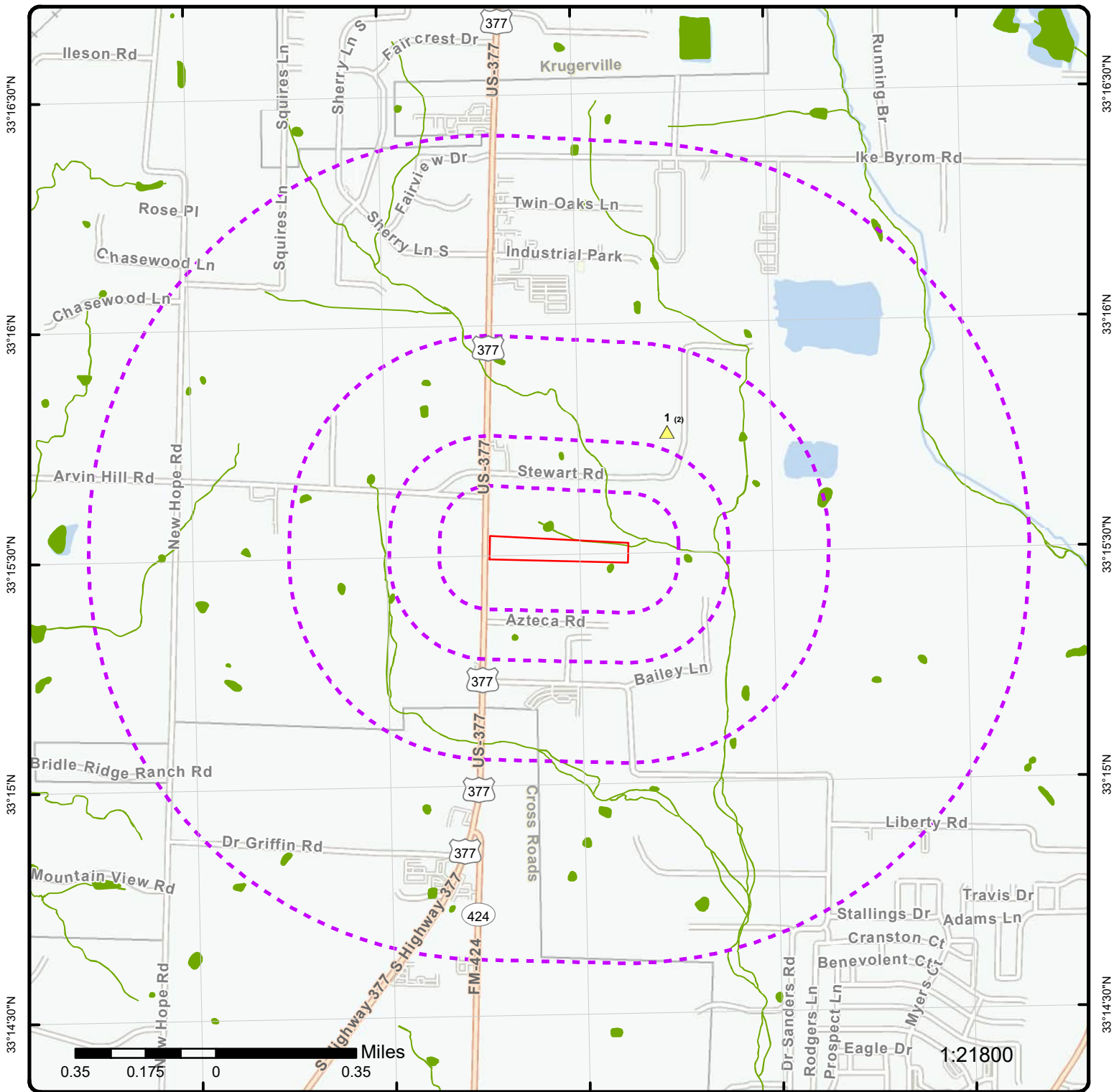
### Standard

#### State

##### LPST - Leaking Petroleum Storage Tank Database

A search of the LPST database, dated May 6, 2022 has found that there are 2 LPST site(s) within approximately 0.50 miles of the project property.

| <u>Equal/Higher Elevation</u> | <u>Address</u>  | <u>Direction</u> | <u>Distance (mi/ft)</u> | <u>Map Key</u>    |
|-------------------------------|---|------------------|-------------------------|-------------------|
| PENNINGTON TIRE               | HWY 377<br>AUBREY TX 76227  | NE               | 0.29 / 1,550.64         | <a href="#">1</a> |
|                               | <i>LPST ID: 114427</i><br><i>Closure Date   Corrective Action Status: 5/11/2000   6A - FINAL CONCURRENCE ISSUED</i> |                  |                         |                   |
| FORMER TRADE POST             | HWY 377<br>KRUGERVILLE TX 76227   | NE               | 0.29 / 1,550.64         | <a href="#">1</a> |
|                               | <i>LPST ID: 110061</i><br><i>Closure Date   Corrective Action Status: 3/4/2005   6A - FINAL CONCURRENCE ISSUED</i>  |                  |                         |                   |



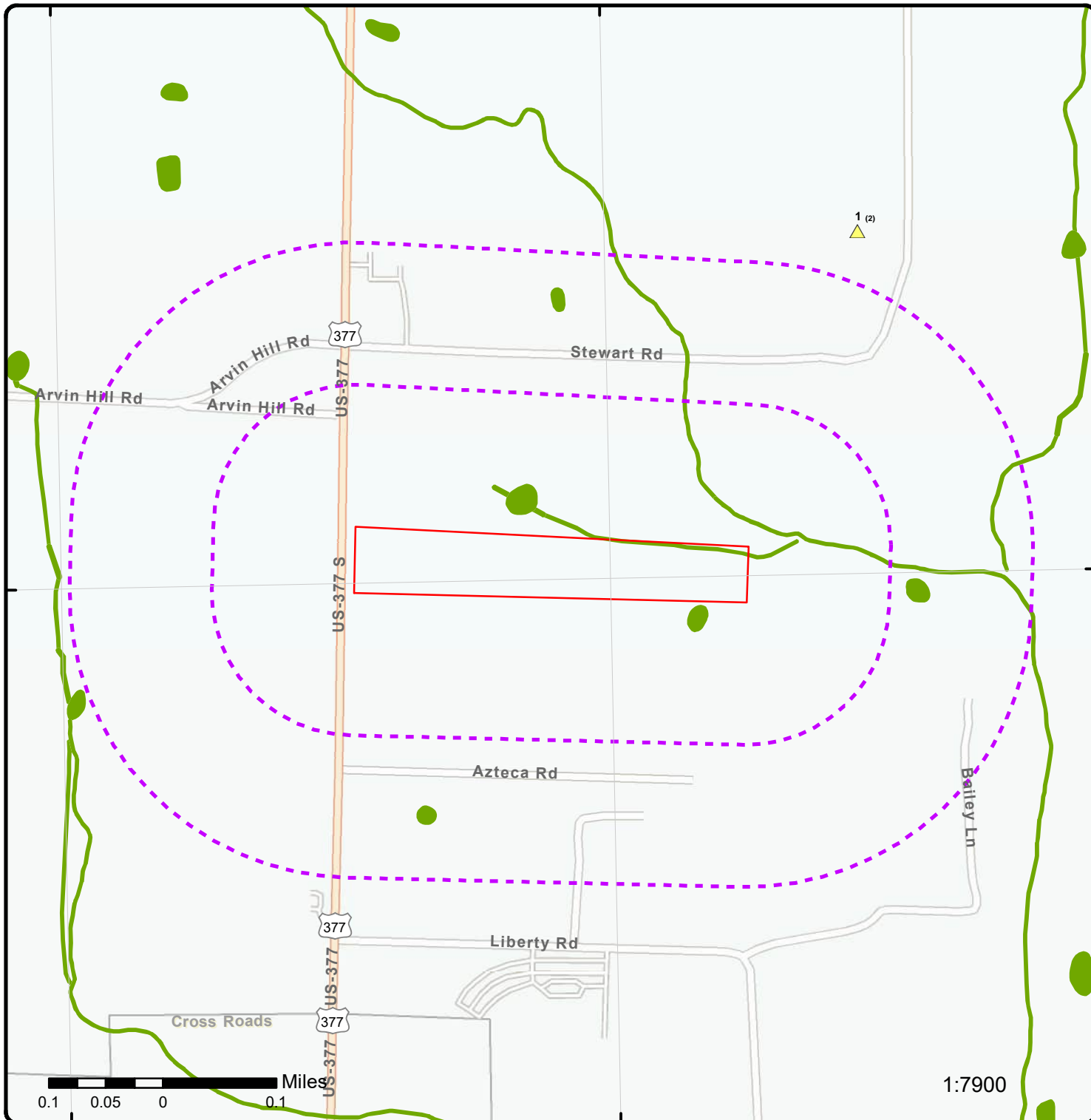
**Map: 1.0 Mile Radius**  
 Order Number: 22070500539  
 Address: 4354 US-377, AUBREY, TX



- |                                   |                      |                                  |                        |                     |                               |
|-----------------------------------|----------------------|----------------------------------|------------------------|---------------------|-------------------------------|
| Project Property                  | Buffer Outline       | Eris Sites with Higher Elevation | Freeways; Highways     | State               | FWS Special Designation Areas |
| Eris Sites with Same Elevation    | Traffic Circle; Ramp | Eris Sites with Lower Elevation  | Major & Minor Arterial | Country             | National Wetland              |
| Eris Sites with Unknown Elevation | Traffic Circle; Ramp | Eris Areas with Higher Elevation | Local Road             | Indian Reserve Land | Plume                         |
| Eris Areas with Same Elevation    | Rail                 | Eris Areas with Lower Elevation  |                        | 100 Year Flood Zone | 500 Year Flood Zone           |
| Eris Areas with Unknown Elevation |                      |                                  |                        |                     |                               |







### Map: 0.25 Mile Radius

Order Number: 22070500539

Address: 4354 US-377, AUBREY, TX



- |                                   |                        |                    |                     |                               |
|-----------------------------------|------------------------|--------------------|---------------------|-------------------------------|
| Project Property                  | Buffer Outline         | Freeways; Highways | State               | FWS Special Designation Areas |
| Eris Sites with Higher Elevation  | Traffic Circle; Ramp   | Country            | National Wetland    | Indian Reserve Land           |
| Eris Sites with Same Elevation    | Major & Minor Arterial | Plume              | 100 Year Flood Zone | 500 Year Flood Zone           |
| Eris Sites with Lower Elevation   | Traffic Circle; Ramp   | Local Road         | Rail                |                               |
| Eris Sites with Unknown Elevation | Local Road             |                    |                     |                               |
| Eris Areas with Higher Elevation  |                        |                    |                     |                               |
| Eris Areas with Same Elevation    |                        |                    |                     |                               |
| Eris Areas with Lower Elevation   |                        |                    |                     |                               |
| Eris Areas with Unknown Elevation |                        |                    |                     |                               |



1:10000

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

**Aerial** Year: 2021

Address: 4354 US-377, AUBREY, TX

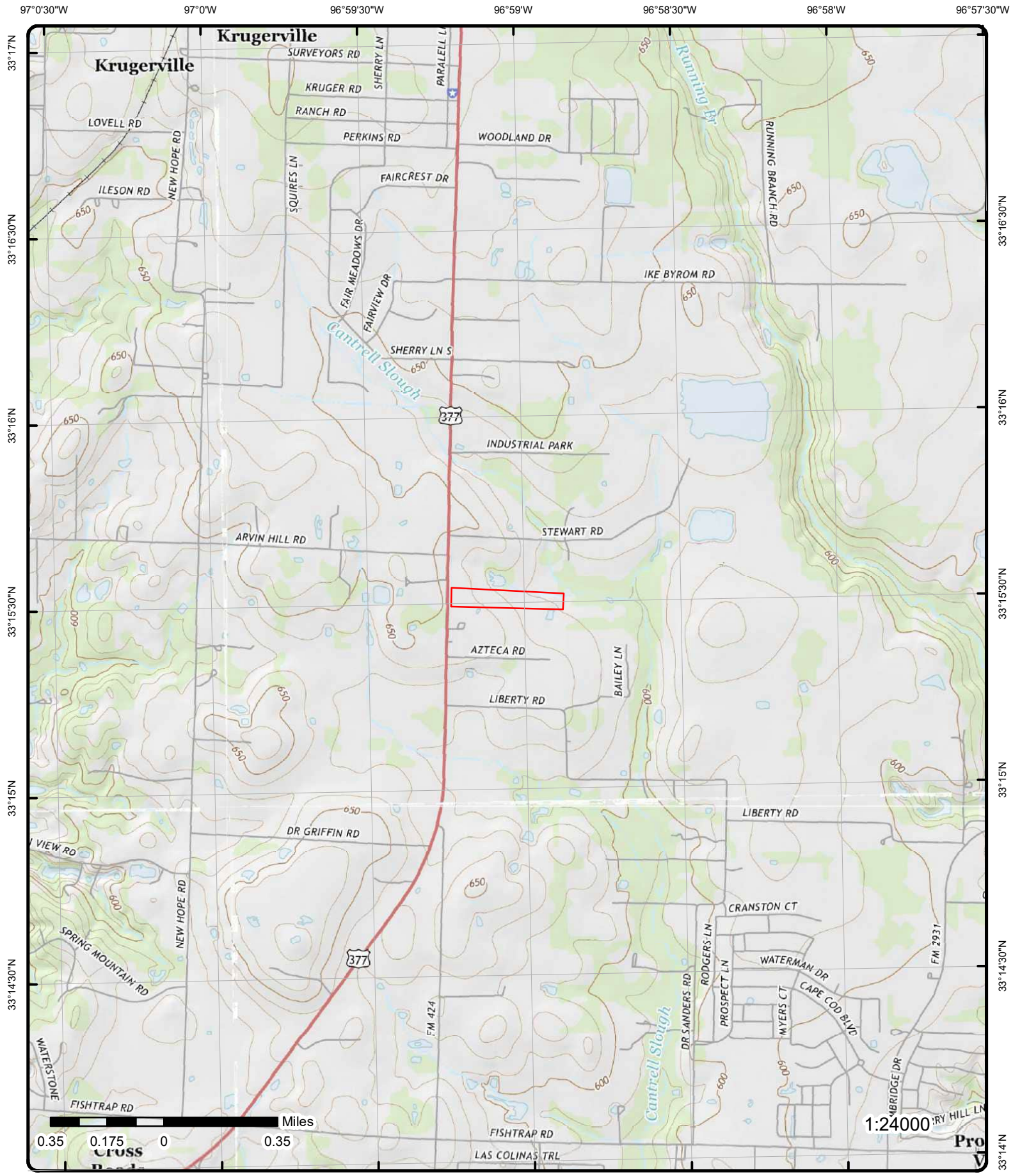
Source: ESRI World Imagery

Order Number: 22070500539



© ERIS Information Inc.





# Topographic Map

Year: 2016

Order Number: 22070500539

Address: 4354 US-377, TX



Quadrangle(s): Green Valley, TX; Denton East, TX; Aubrey, TX; Little Elm, TX

© ERIS Information Inc.

Source: USGS Topographic Map



# Detail Report

| Map Key           | Number of Records | Direction | Distance (mi/ft)   | Elev/Diff (ft) | Site  | DB          |
|-------------------|-------------------|-----------|--------------------|----------------|---|-------------|
| <a href="#">1</a> | 1 of 2            | NE        | 0.29 /<br>1,550.64 | 632.12 /<br>3  | <b>FORMER TRADE POST<br/>HWY 377<br/>KRUGERVILLE TX 76227</b> | <b>LPST</b> |

|                         |   |                         |                   |
|-------------------------|---|-------------------------|-------------------|
| <b>LPST ID:</b>         | 110061  | <b>Nearest City:</b>    | KRUGERVILLE       |
| <b>PST ID:</b>          |   | <b>Site Name (Map):</b> | FORMER TRADE POST |
| <b>Facility ID:</b>     | 68821   | <b>Phys Addr (Map):</b> | HWY 377           |
| <b>Site Name:</b>       | FORMER TRADE POST   | <b>City (Map):</b>      | KRUGERVILLE       |
| <b>Site Address:</b>    | HWY 377   | <b>County (Map):</b>    | DENTON            |
| <b>City Name:</b>       | KRUGERVILLE   | <b>ZIP Code (Map):</b>  | 76227             |
| <b>ZIP Code:</b>        | 76227   | <b>Lat DD (Map):</b>    | 33.2627           |
| <b>County Name:</b>     | DENTON  | <b>Long DD (Map):</b>   | -96.9795          |
| <b>Addr Desc (Map):</b> | HWY 77 S  |                         |                   |
| <b>Source:</b>          | TCEQ LPST Report; TCEQ Map Data   |                         |                   |
| <b>Note:</b>            | Documents related to facilities in Texas can be searched on TCEQ Records Online Central File Room (CFR):<br><a href="https://records.tceq.texas.gov/cs/idcplg?IdcService=TCEQ_SEARCH">https://records.tceq.texas.gov/cs/idcplg?IdcService=TCEQ_SEARCH</a><br>Basic information, including RN numbers, for facilities in TX can be searched on the TCEQ Central Registry: <a href="https://www15.tceq.texas.gov/crpub/">https://www15.tceq.texas.gov/crpub/</a><br>Information about how to use these resources can be found here: <a href="https://www.tceq.texas.gov/assets/public/agency/How-to-Use-Central-File-Room-Online.pdf">https://www.tceq.texas.gov/assets/public/agency/How-to-Use-Central-File-Room-Online.pdf</a> |                         |                   |

**TCEQ LPST Report**

|                                  |   |                         |                           |
|----------------------------------|---|-------------------------|---------------------------|
| <b>Ref No:</b>                   | RN101649366   | <b>Reported Date:</b>   | 11/10/1995                |
| <b>Closure Date:</b>             | 3/4/2005  | <b>Entered Date:</b>    | 12/22/1995                |
| <b>Discovered Date:</b>          | 10/20/1995  | <b>TCEQ Region:</b>     | REGION 04 - DFW METROPLEX |
| <b>Rem Program:</b>              | LPST  | <b>Project Manager:</b> | TISIAHIL                  |
| <b>Program:</b>                  | 1 - RPR   |                         |                           |
| <b>Corrective Action Status:</b> | 6A - FINAL CONCURRENCE ISSUED                         |                         |                           |
| <b>Priority Status:</b>          | 3.5 - A DESIGNATED MAJOR OR MINOR AQUIFER IS IMPACTED |                         |                           |

**TCEQ Map Data**

|                   |                           |                    |         |
|-------------------|---------------------------|--------------------|---------|
| <b>Region:</b>    | REGION 04 - DFW METROPLEX | <b>Horz Meth:</b>  | UNKNOWN |
| <b>X:</b>         | -96.9795                  | <b>Horz Acc:</b>   | -9999   |
| <b>Y:</b>         | 33.2627                   | <b>Horz Org:</b>   | TCEQ    |
| <b>Horz Ref:</b>  | OTHER                     | <b>Horz Datum:</b> | NAD83   |
| <b>Horz Date:</b> | 19951222                  | <b>Horz Desc:</b>  |         |

|                   |        |    |                    |               |  |             |
|-------------------|--------|----|--------------------|---------------|--|-------------|
| <a href="#">1</a> | 2 of 2 | NE | 0.29 /<br>1,550.64 | 632.12 /<br>3 | <b>PENNINGTON TIRE<br/>HWY 377<br/>AUBREY TX 76227</b> | <b>LPST</b> |
|-------------------|--------|----|--------------------|---------------|--|-------------|

|                         |  |                         |                 |
|-------------------------|--|-------------------------|-----------------|
| <b>LPST ID:</b>         | 114427   | <b>Nearest City:</b>    | AUBREY          |
| <b>PST ID:</b>          |  | <b>Site Name (Map):</b> | PENNINGTON TIRE |
| <b>Facility ID:</b>     | 47466  | <b>Phys Addr (Map):</b> | HWY 377         |
| <b>Site Name:</b>       | PENNINGTON TIRE  | <b>City (Map):</b>      | AUBREY          |
| <b>Site Address:</b>    | HWY 377  | <b>County (Map):</b>    | DENTON          |
| <b>City Name:</b>       | AUBREY   | <b>ZIP Code (Map):</b>  | 76227           |
| <b>ZIP Code:</b>        | 76227  | <b>Lat DD (Map):</b>    | 33.2627         |
| <b>County Name:</b>     | DENTON   | <b>Long DD (Map):</b>   | -96.9795        |
| <b>Addr Desc (Map):</b> | HWY 377  |                         |                 |
| <b>Source:</b>          | TCEQ LPST Report; TCEQ Map Data  |                         |                 |
| <b>Note:</b>            | Documents related to facilities in Texas can be searched on TCEQ Records Online Central File Room (CFR):<br><a href="https://records.tceq.texas.gov/cs/idcplg?IdcService=TCEQ_SEARCH">https://records.tceq.texas.gov/cs/idcplg?IdcService=TCEQ_SEARCH</a><br>Basic information, including RN numbers, for facilities in TX can be searched on the TCEQ Central Registry: <a href="https://www15.tceq.texas.gov/crpub/">https://www15.tceq.texas.gov/crpub/</a> |                         |                 |

| <i>Map Key</i> | <i>Number of Records</i> | <i>Direction</i> | <i>Distance (mi/ft)</i> | <i>Elev/Diff (ft)</i> | <i>Site</i> | <i>DB</i> |
|----------------|--------------------------|------------------|-------------------------|-----------------------|-------------|-----------|
|----------------|--------------------------|------------------|-------------------------|-----------------------|-------------|-----------|

//www15.tceq.texas.gov/crpub/  
 Information about how to use these resources can be found here: <https://www.tceq.texas.gov/assets/public/agency/How-to-Use-Central-File-Room-Online.pdf>

**TCEQ LPST Report**

|                                  |  |                         |                           |
|----------------------------------|--|-------------------------|---------------------------|
| <b>Ref No:</b>                   | RN101544005  | <b>Reported Date:</b>   | 1/6/1999                  |
| <b>Closure Date:</b>             | 5/11/2000  | <b>Entered Date:</b>    | 1/22/1999                 |
| <b>Discovered Date:</b>          | 1/6/1999   | <b>TCEQ Region:</b>     | REGION 04 - DFW METROPLEX |
| <b>Rem Program:</b>              | LPST   | <b>Project Manager:</b> | DSA                       |
| <b>Program:</b>                  | 1 - RPR  |                         |                           |
| <b>Corrective Action Status:</b> | 6A - FINAL CONCURRENCE ISSUED                                  |                         |                           |
| <b>Priority Status:</b>          | 4.2 - NO GW IMPACT NO APPARENT THREATS OR IMPACTS TO RECEPTORS |                         |                           |

**TCEQ Map Data**

|                   |                           |                    |         |
|-------------------|---------------------------|--------------------|---------|
| <b>Region:</b>    | REGION 04 - DFW METROPLEX | <b>Horz Meth:</b>  | UNKNOWN |
| <b>X:</b>         | -96.9795                  | <b>Horz Acc:</b>   | -9999   |
| <b>Y:</b>         | 33.2627                   | <b>Horz Org:</b>   | TCEQ    |
| <b>Horz Ref:</b>  | OTHER                     | <b>Horz Datum:</b> | NAD83   |
| <b>Horz Date:</b> | 19990122                  | <b>Horz Desc:</b>  |         |

# Unplottable Summary

Total: 16 Unplottable sites

| DB        | Company Name/Site Name                             | Address   | City       | Zip   | ERIS ID   |
|-----------|--|---|------------|-------|-----------|
| FINDS/FRS | ATMOS ENERGY FIELD SERVICES PIPELINE DENTON COUNTY | DENTON COUNTY PIPELINE SEGMENT(S)<br><i>Registry ID: 110070181309</i> | TX         |       | 866774803 |
| FINDS/FRS | DENTON COUNTY FWSD 4-A HIDDEN COVE                 | <i>Registry ID: 110049664163</i>                                      | TX         |       | 825436412 |
| FINDS/FRS | DENTON COUNTY FWSD 11-B                            | <i>Registry ID: 110063372808</i>                                      | TX         |       | 825436411 |
| FINDS/FRS | DENTON COUNTY FWSD 11-A PALOMA                     | <i>Registry ID: 110049664225</i>                                      | TX         |       | 825436410 |
| FINDS/FRS | DENTON COUNTY FWSD 10 SAVANNAH                     | <i>Registry ID: 110049664145</i>                                      | TX         |       | 825436409 |
| FINDS/FRS | DENTON COUNTY FWSD 10 ARTESIA                      | <i>Registry ID: 110049664270</i>                                      | TX         |       | 825436408 |
| FINDS/FRS | DENTON COUNTY FWSD 1-A CASTLE HILLS                | <i>Registry ID: 110049664403</i>                                      | TX         |       | 825436407 |
| FINDS/FRS | DENTON COUNTY FWSD 8-C                             | <i>Registry ID: 110049664127</i>                                      | TX         |       | 825435118 |
| FINDS/FRS | DENTON COUNTY FWSD 8-B PALOMA                      | <i>Registry ID: 110049749705</i>                                      | TX         |       | 825435117 |
| FINDS/FRS | LANTANA PARCEL 21                                  | DENTON COUNTY<br><i>Registry ID: 110012294052</i>                     | UNKNOWN TX | 00000 | 817198827 |
| FINDS/FRS | ATMOS PIPELINE MID-TEX DENTON COUNTY               | DENTON COUNTY PIPELINE SEGMENTS                                       | TX         |       | 866766586 |

**Registry ID:** 110070189969

|           |   |                                     |           |           |
|-----------|---|-------------------------------------|-----------|-----------|
| FINDS/FRS | ENLINK NORTH TEXAS<br>PIPELINE DENTON<br>COUNTY | DENTON COUNTY PIPELINE<br>SEGEMENTS | AUBREY TX | 866713380 |
|           |   | <b>Registry ID:</b> 110070190060    |           |           |
| FINDS/FRS | DENTON COUNTY<br>FWSD 6                         |                                     | TX        | 825436413 |
|           |   | <b>Registry ID:</b> 110049664421    |           |           |
| FINDS/FRS | DENTON COUNTY<br>FWSD 7 LANTANA                 |                                     | TX        | 817189425 |
|           |   | <b>Registry ID:</b> 110016808784    |           |           |
| FINDS/FRS | DENTON COUNTY<br>FWSD 8-A PALOMA                |                                     | TX        | 825436414 |
|           |   | <b>Registry ID:</b> 110049664216    |           |           |
| NOV       | DENTON COUNTY<br>ROAD UTILITY<br>DISTRICT 1     |                                     | TX        | 873395555 |



# Unplottable Report

**Site:** **ATMOS ENERGY FIELD SERVICES PIPELINE DENTON COUNTY  
DENTON COUNTY PIPELINE SEGMENT(S) TX**

[FINDS/FRS](#)

**Registry ID:** 110070181309  
**FIPS Code:** 121  
**HUC Code:**  
**Site Type Name:**  
**Location Description:** DENTON COUNTY PIPELINE SEGMENT(S)  
**Supplemental Location:** DENTON COUNTY PIPELINE SEGMENT(S)  
**Create Date:** 14-FEB-18  
**Update Date:**  
**Interest Types:** STATE MASTER  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:** 06  
**County Name:** DENTON  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110070181309](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070181309)  
**Program Acronyms:**

TX-TCEQ ACR:RN106448103

**Site:** **DENTON COUNTY FWSD 4-A HIDDEN COVE  
TX**

[FINDS/FRS](#)

**Registry ID:** 110049664163  
**FIPS Code:**  
**HUC Code:**  
**Site Type Name:** WATER SYSTEM  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 26-OCT-12  
**Update Date:** 10-MAY-20  
**Interest Types:** COMMUNITY WATER SYSTEM  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**

**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:**  
**County Name:** DENTON  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110049664163](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110049664163)  
**Program Acronyms:**

SFDW:TX0610255

---

**Site:** DENTON COUNTY FWSD 11-B  
TX

[FINDS/FRS](#)

**Registry ID:** 110063372808  
**FIPS Code:**  
**HUC Code:**  
**Site Type Name:** WATER SYSTEM  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 27-JAN-15  
**Update Date:** 10-MAY-20  
**Interest Types:** COMMUNITY WATER SYSTEM  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:**  
**County Name:** DENTON  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110063372808](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110063372808)  
**Program Acronyms:**

SFDW:TX0610256

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**Site:** DENTON COUNTY FWSD 11-A PALOMA  
TX

[FINDS/FRS](#)

**Registry ID:** 110049664225  
**FIPS Code:**  
**HUC Code:**  
**Site Type Name:** WATER SYSTEM  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 26-OCT-12  
**Update Date:** 10-MAY-20

**Interest Types:** COMMUNITY WATER SYSTEM  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:**  
**County Name:** DENTON  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110049664225](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110049664225)  
**Program Acronyms:**

SFDW:TX0610259

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**Site:** DENTON COUNTY FWSD 10 SAVANNAH  
TX

[FINDS/FRS](#)

**Registry ID:** 110049664145  
**FIPS Code:**  
**HUC Code:**  
**Site Type Name:** WATER SYSTEM  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 26-OCT-12  
**Update Date:** 10-MAY-20  
**Interest Types:** COMMUNITY WATER SYSTEM  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:**  
**County Name:** DENTON  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110049664145](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110049664145)  
**Program Acronyms:**

SFDW:TX0610254

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**Site:** DENTON COUNTY FWSD 10 ARTESIA

TX

FINDS/FRS

**Registry ID:** 110049664270  
**FIPS Code:**  
**HUC Code:**  
**Site Type Name:** WATER SYSTEM  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 26-OCT-12  
**Update Date:** 10-MAY-20  
**Interest Types:** COMMUNITY WATER SYSTEM  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:**  
**County Name:** DENTON  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110049664270](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110049664270)  
**Program Acronyms:**

SFDW:TX0610261

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**Site:** DENTON COUNTY FWSD 1-A CASTLE HILLS  
TX

FINDS/FRS

**Registry ID:** 110049664403  
**FIPS Code:**  
**HUC Code:**  
**Site Type Name:** WATER SYSTEM  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 26-OCT-12  
**Update Date:** 10-MAY-20  
**Interest Types:** COMMUNITY WATER SYSTEM  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:**  
**County Name:** DENTON  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**



**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110049664403](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110049664403)  
**Program Acronyms:**  
SFDW:TX0610264

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**Site:** DENTON COUNTY FWSD 8-C  
TX

[FINDS/FRS](#)

**Registry ID:** 110049664127  
**FIPS Code:**  
**HUC Code:**  
**Site Type Name:** WATER SYSTEM  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 26-OCT-12  
**Update Date:** 10-MAY-20  
**Interest Types:** COMMUNITY WATER SYSTEM  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:**  
**County Name:** DENTON  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110049664127](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110049664127)  
**Program Acronyms:**

SFDW:TX0610253

---

**Site:** DENTON COUNTY FWSD 8-B PALOMA  
TX

[FINDS/FRS](#)

**Registry ID:** 110049749705  
**FIPS Code:**  
**HUC Code:**  
**Site Type Name:** WATER SYSTEM  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 26-OCT-12  
**Update Date:** 10-MAY-20  
**Interest Types:** COMMUNITY WATER SYSTEM  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**

**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:**  
**County Name:** DENTON  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110049749705](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110049749705)  
**Program Acronyms:**

SFDW:TX0610252

---

**Site:** LANTANA PARCEL 21  
DENTON COUNTY UNKNOWN TX 00000

[FINDS/FRS](#)

**Registry ID:** 110012294052  
**FIPS Code:** 48121  
**HUC Code:**  
**Site Type Name:** STATIONARY  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 01-MAR-00  
**Update Date:** 05-MAR-13  
**Interest Types:** ICIS-NPDES NON-MAJOR, STORM WATER CONSTRUCTION

**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**

**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**

**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:** 06  
**County Name:** DENTON COUNTY

**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**

**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**

**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110012294052](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110012294052)  
**Program Acronyms:**

NPDES:TXR100Y82, NPDES:TXR10PH37

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**Site:** ATMOS PIPELINE MID-TEX DENTON COUNTY  
DENTON COUNTY PIPELINE SEGMENTS TX

[FINDS/FRS](#)

**Registry ID:** 110070189969  
**FIPS Code:** 121  
**HUC Code:**  
**Site Type Name:**  
**Location Description:** DENTON COUNTY PIPELINE SEGMENTS  
**Supplemental Location:** DENTON COUNTY PIPELINE SEGMENTS  
**Create Date:** 14-FEB-18  
**Update Date:**

**Interest Types:** STATE MASTER  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:** 221210  
**NAICS Code Descriptions:** NATURAL GAS DISTRIBUTION.  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:** 06  
**County Name:** DENTON  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110070189969](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070189969)  
**Program Acronyms:**

TX-TCEQ ACR:RN109142372

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**Site:** ENLINK NORTH TEXAS PIPELINE DENTON COUNTY  
DENTON COUNTY PIPELINE SEGEMENTS AUBREY TX

[FINDS/FRS](#)

**Registry ID:** 110070190060  
**FIPS Code:** 121  
**HUC Code:**  
**Site Type Name:**  
**Location Description:** DENTON COUNTY PIPELINE SEGEMENTS  
**Supplemental Location:** DENTON COUNTY PIPELINE SEGEMENTS  
**Create Date:** 14-FEB-18  
**Update Date:**  
**Interest Types:** STATE MASTER  
**SIC Codes:** 4922  
**SIC Code Descriptions:** NATURAL GAS TRANSMISSION  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:** 06  
**County Name:** DENTON  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110070190060](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070190060)  
**Program Acronyms:**

TX-TCEQ ACR:RN109162610

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**Site:** DENTON COUNTY FWSD 6

**Registry ID:** 110049664421  
**FIPS Code:**  
**HUC Code:**  
**Site Type Name:** WATER SYSTEM  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 26-OCT-12  
**Update Date:** 10-MAY-20  
**Interest Types:** COMMUNITY WATER SYSTEM  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:**  
**County Name:** DENTON  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110049664421](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110049664421)  
**Program Acronyms:**

SFDW:TX0610265

**Site:** DENTON COUNTY FWSD 7 LANTANA  
 TX

**Registry ID:** 110016808784  
**FIPS Code:**  
**HUC Code:**  
**Site Type Name:** WATER SYSTEM  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 25-FEB-04  
**Update Date:** 10-MAY-20  
**Interest Types:** COMMUNITY WATER SYSTEM  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:**  
**County Name:** DENTON  
**US/Mexico Border Ind:**  
**Latitude:**  
**Longitude:**  
**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**



**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110016808784](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110016808784)  
**Program Acronyms:**  
SFDW:TX0610228

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**Site:** DENTON COUNTY FWSD 8-A PALOMA  
TX

[FINDS/FRS](#)

**Registry ID:** 110049664216  
**FIPS Code:**  
**HUC Code:**  
**Site Type Name:** WATER SYSTEM  
**Location Description:**  
**Supplemental Location:**  
**Create Date:** 26-OCT-12  
**Update Date:** 09-MAY-20  
**Interest Types:** COMMUNITY WATER SYSTEM  
**SIC Codes:**  
**SIC Code Descriptions:**  
**NAICS Codes:**  
**NAICS Code Descriptions:**  
**Conveyor:**  
**Federal Facility Code:**  
**Federal Agency Name:**  
**Tribal Land Code:**  
**Tribal Land Name:**  
**Congressional Dist No:**  
**Census Block Code:**  
**EPA Region Code:**  
**County Name:** DENTON  
**US/Mexico Border Ind:**  
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**Reference Point:**  
**Coord Collection Method:**  
**Accuracy Value:**  
**Datum:** NAD83  
**Source:**  
**Facility Detail Rprt URL:** [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110049664216](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110049664216)  
**Program Acronyms:**

SFDW:TX0610258

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**Site:** DENTON COUNTY ROAD UTILITY DISTRICT 1  
TX

[NOV](#)

**RN No:** RN101204881  
**TCEQ Region:**  
**County (OD):** DENTON  
**Physical City (OD):**  
**Physical Zip (OD):**  
**Regulated Entity Name (OD):** DENTON COUNTY ROAD UTILITY DISTRICT 1  
**Physical Location (OD):**  
**Address:**  
**Physical Location:**  
**Data Source:** TCEQ NOV (Open Data List)

**Near City:**  
**Lat Dec Coord No:**  
**Long Dec Coord No:**  
**Latitude (OD):**  
**Longitude (OD):**

**Open Data Details**

**Investigation No:** 1092727  
**Customer No:** CN600649123  
**Customer Name:** Denton County Road Utility District 1  
**Business Type:**

**Mailing Address:**  
**Mailing City:**  
**Mailing State:**  
**Mailing Zip Code:**  
**Coordinates Address Based:** POINT (-97.17486942187499 33.206839421874996)  
**Coordinates Decimal Degrees:**  
**Media:** WATER  
**Notice of Violation Date:** 02/28/2013  
**Rule Citation:** 293.91(a)(5)  
**Violation Track No:** 502238  
**Violation Category:** C  
**Violation Allegation:** Failure to report financial for fiscal years 2008 through 2012 and update the District Registration Form 0179.  
**Violation Status:** ACTIVE  
**Violation Resolution:**

**Open Data Details**

**Investigation No:** 1092727  
**Customer No:** CN600649123  
**Customer Name:** Denton County Road Utility District 1  
**Business Type:**  
**Mailing Address:**  
**Mailing City:**  
**Mailing State:**  
**Mailing Zip Code:**  
**Coordinates Address Based:** POINT (-97.17486942187499 33.206839421874996)  
**Coordinates Decimal Degrees:**  
**Media:** WATER  
**Notice of Violation Date:** 02/28/2013  
**Rule Citation:** 49.194(b)  
**Violation Track No:** 502238  
**Violation Category:** C  
**Violation Allegation:** Failure to report financial for fiscal years 2008 through 2012 and update the District Registration Form 0179.  
**Violation Status:** ACTIVE  
**Violation Resolution:**

**Open Data Details**

**Investigation No:** 1092727  
**Customer No:** CN600649123  
**Customer Name:** Denton County Road Utility District 1  
**Business Type:**  
**Mailing Address:**  
**Mailing City:**  
**Mailing State:**  
**Mailing Zip Code:**  
**Coordinates Address Based:** POINT (-97.17486942187499 33.206839421874996)  
**Coordinates Decimal Degrees:**  
**Media:** WATER  
**Notice of Violation Date:** 02/28/2013  
**Rule Citation:** 49.194(a)  
**Violation Track No:** 502238  
**Violation Category:** C  
**Violation Allegation:** Failure to report financial for fiscal years 2008 through 2012 and update the District Registration Form 0179.  
**Violation Status:** ACTIVE  
**Violation Resolution:**

# Appendix: Database Descriptions

*Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:*

*"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."*

## **Standard Environmental Record Sources**

### **Federal**

#### **Formerly Utilized Sites Remedial Action Program:**

[DOE FUSRAP](#)

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

**Government Publication Date: Mar 4, 2017**

#### **National Priority List:**

[NPL](#)

Sites on the United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: Mar 30, 2022**

#### **National Priority List - Proposed:**

[PROPOSED NPL](#)

Sites proposed - by the EPA, the state agency, or concerned citizens - for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: Mar 30, 2022**

#### **Deleted NPL:**

[DELETED NPL](#)

Sites deleted from the United States Environmental Protection Agency (EPA)'s National Priorities List. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: Mar 30, 2022**

**SEMS List 8R Active Site Inventory:**

SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

**Government Publication Date: Apr 27, 2022**

**Inventory of Open Dumps, June 1985:**

ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

**Government Publication Date: Jun 1985**

**SEMS List 8R Archive Sites:**

SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

**Government Publication Date: Apr 27, 2022**

**Comprehensive Environmental Response, Compensation and Liability Information System -**

CERCLIS

**CERCLIS:**

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

**Government Publication Date: Oct 25, 2013**

**EPA Report on the Status of Open Dumps on Indian Lands:**

IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

**Government Publication Date: Dec 31, 1998**

**CERCLIS - No Further Remedial Action Planned:**

CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

**Government Publication Date: Oct 25, 2013**

**CERCLIS Liens:**

CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

**Government Publication Date: Jan 30, 2014**

**RCRA CORRACTS-Corrective Action:**

RCRA CORRACTS

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

**Government Publication Date: Apr 11, 2022**



**RCRA non-CORRACTS TSD Facilities:**

[RCRA TSD](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

**Government Publication Date: Apr 11, 2022**

**RCRA Generator List:**

[RCRA LQG](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

**Government Publication Date: Apr 11, 2022**

**RCRA Small Quantity Generators List:**

[RCRA SQG](#)

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

**Government Publication Date: Apr 11, 2022**

**RCRA Very Small Quantity Generators List:**

[RCRA VSQG](#)

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

**Government Publication Date: Apr 11, 2022**

**RCRA Non-Generators:**

[RCRA NON GEN](#)

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

**Government Publication Date: Apr 11, 2022**

**RCRA Sites with Controls:**

[RCRA CONTROLS](#)

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

**Government Publication Date: Apr 11, 2022**

**Federal Engineering Controls-ECs:**

[FED ENG](#)

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

**Government Publication Date: Dec 30, 2021**

**Federal Institutional Controls- ICs:**

[FED INST](#)

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

**Government Publication Date: Dec 30, 2021**

**Land Use Control Information System:**

LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

**Government Publication Date:** Sep 1, 2006

**Institutional Control Boundaries at NPL sites:**

NPL IC

Boundaries of Institutional Control areas at sites on the United States Environmental Protection Agency (EPA)'s National Priorities List, or Proposed or Deleted, made available by the EPA's Shared Enterprise Geodata and Services (SEGS). United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy.

**Government Publication Date:** Mar 30, 2022

**Emergency Response Notification System:**

ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

**Government Publication Date:** 1982-1986

**Emergency Response Notification System:**

ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

**Government Publication Date:** 1987-1989

**Emergency Response Notification System:**

ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

**Government Publication Date:** Dec 31, 2021

**The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database:**

FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

**Government Publication Date:** Aug 20, 2021

**FEMA Underground Storage Tank Listing:**

FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

**Government Publication Date:** Dec 31, 2017

**Facility Response Plan:**

FRP

List of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

**Government Publication Date:** Dec 31, 2021

**Delisted Facility Response Plans:**

DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

**Government Publication Date:** Dec 31, 2021

**Historical Gas Stations:**

[HIST GAS STATIONS](#)

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

**Government Publication Date: Jul 1, 1930**

**Petroleum Refineries:**

[REFN](#)

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

**Government Publication Date: Feb 4, 2022**

**Petroleum Product and Crude Oil Rail Terminals:**

[BULK TERMINAL](#)

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

**Government Publication Date: Feb 4, 2022**

**LIEN on Property:**

[SEMS LIEN](#)

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

**Government Publication Date: Apr 27, 2022**

**Superfund Decision Documents:**

[SUPERFUND ROD](#)

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

**Government Publication Date: May 3, 2022**

**State**

**Superfund Sites Boundaries:**

[SUPERFUND](#)

List of sites that may constitute an imminent and substantial endangerment to public health and safety or the environment due to a release or threatened release of hazardous substances into the environment provided by the Texas Commission on Environmental Quality (TCEQ).

**Government Publication Date: Aug 10, 2021**

**State Superfund Registry:**

[SHWS](#)

List of sites identified or evaluated by the Texas Commission on Environmental Quality (TCEQ) which may constitute an imminent and substantial endangerment to public health and safety or to the environment due to a release or threatened release of hazardous substances into the environment. The TCEQ updates the state Superfund sites list in accordance with the Texas Health and Safety Code (THSC). This database is state equivalent NPL.

**Government Publication Date: Jun 13, 2022**

**Delisted State Superfund Registry List:**

[DELISTED SHWS](#)

This database contains a list of closed hazardous substance release sites that were removed from the Texas Commission on Environmental Quality (TCEQ).

**Government Publication Date: Jun 13, 2022**

**Permitted Solid Waste Facilities:**

[SWF/LF](#)

List of active, inactive, and post-closure Municipal Solid Waste landfills and processing facilities with issued permits and authorizations, as well as pending, withdrawn, or denied applications registered with the Texas Commission on Environmental Quality (TCEQ) under the Texas Administrative Code (TAC) Title 30 Chapter 330.

**Government Publication Date: May 18, 2022**

**Closed Landfill Inventory:**

[CLI](#)

Inventory of permitted and unauthorized closed or abandoned municipal solid waste landfills throughout Texas compiled by the Texas Commission on Environmental Quality (TCEQ), in collaboration with regional Councils of Government (COG).

**Houston-Galveston Closed Landfill Inventory:**

[HGAC CLI](#)

List of closed and abandoned landfill sites which fall under the Houston Galveston Area Council of Government. Texas Councils of Governments (COGs) are required to maintain an inventory of closed municipal solid waste landfills for their regional solid waste management plans.

Government Publication Date: May 3, 2022

**AACOG Closed Landfill Inventory:**

[AACOG CLI](#)

A list of permitted and unpermitted closed landfill sites made available by the Alamo Area Council of Governments (AACOG). Alamo Area Council of Governments (AACOG) is requested to maintain an inventory of closed municipal solid waste landfills for their regional solid waste management plans.

Government Publication Date: Feb 6, 2020

**Commercial Management Facilities for Hazardous Waste and Industrial Solid Wastes:**

[IHW](#)

This publication lists facilities that have permits or authorizations from the Texas Commission on Environmental Quality (TCEQ) to receive, on a commercial basis, and manage hazardous waste, industrial nonhazardous waste, or both.

Government Publication Date: Dec 1, 2020

**Industrial and Hazardous Waste - Receivers:**

[IHW RECEIVER](#)

List of active, inactive, and post-closure Industrial and Hazardous Waste Receiver Facilities permitted by or registered with the Texas Commission on Environmental Quality (TCEQ) under the Texas Administrative Code (TAC) Title 30 Chapter 335.

Government Publication Date: May 6, 2022

**Radioactive Waste Sites:**

[RWS](#)

This Texas Commission on Environmental Quality (TCEQ) database contains all sites in the State of Texas designated as Radioactive Waste sites as of 2006. The TCEQ no longer maintains this site listing.

Government Publication Date: Jul 11, 2006

**Leaking Petroleum Storage Tank Database:**

[LPST](#)

List of cleanup sites where contamination was caused by spills, leaks, or other releases of petroleum or hazardous substances from underground and/or aboveground storage tanks regulated by the Texas Commission on Environmental Quality (TCEQ).

Government Publication Date: May 6, 2022

**Delisted Leaking Storage Tanks:**

[DELISTED LST](#)

This database contains a list of leaking storage tank sites that were removed from the Texas Commission on Environmental Quality (TCEQ).

Government Publication Date: May 6, 2022

**Underground Petroleum Storage Tanks:**

[UST](#)

List of facilities that have one or more Underground Storage Tank (UST)s registered and regulated by the Texas Commission on Environmental Quality (TCEQ).

Government Publication Date: May 25, 2022

**Aboveground Storage Tanks:**

[AST](#)

List of facilities that have one or more Aboveground Storage Tank (AST)s registered and regulated by the Texas Commission on Environmental Quality (TCEQ).

Government Publication Date: May 25, 2022

**Petroleum Storage Tanks Database:**

[PST](#)

List of facilities included on the list of tank facilities made available by the Texas Commission on Environmental Quality (TCEQ) that have no association as either underground or aboveground tanks.

Government Publication Date: May 25, 2022

**Historical Tank Construction Notification:**

[HIST TANK](#)

A list of facilities with historic petroleum storage tank construction notification activity made available by the Texas Commission on Environmental Quality (TCEQ). Any person who intends either to install a new or replacement underground storage tank (UST), to remove a UST from the ground, to conduct a permanent abandonment in-place of a UST, or make any repairs or improvements of a UST must submit a Construction Notification Form.

Government Publication Date: May 25, 2022



**Austin Underground Storage Tanks:**

[UST AUSTIN](#)

A list of underground gas storage tanks both current and historical from the City of Austin Open Data Portal. Data provided by Planning and Zoning, City of Austin.

**Government Publication Date: May 5, 2022**

**Salt Caverns for Petroleum Storage:**

[PETROL CAVERN](#)

Listing of salt caverns for petroleum storage, made available by the Railroad Commission of Texas. Salt caverns, constructed in naturally occurring salt domes or salt beds, are used as storage for hydrocarbons including crude oil and natural gases.

**Government Publication Date: Sep 1, 2006**

**Delisted Storage Tanks:**

[DTNK](#)

This database contains a list of storage tank sites that were removed from the Texas Commission on Environmental Quality (TCEQ).

**Government Publication Date: May 25, 2022**

**Sites with Controls:**

[AUL](#)

Sites under several Texas Commission on Environmental Quality (TCEQ) remediation programs which have institutional or engineering controls.

**Government Publication Date: May 25, 2022**

**Voluntary Cleanup Program:**

[VCP](#)

List of sites which have participated or are currently participating in the Voluntary Cleanup Program (VCP) administered by the Texas Commission on Environmental Quality (TCEQ). The VCP provides administrative, technical, and legal incentives to encourage the cleanup of contaminated sites in Texas.

**Government Publication Date: May 24, 2022**

**Texas Railroad Commission Voluntary Cleanup Program:**

[VCP RRC](#)

List of facilities which have participated in or are currently participating in the Voluntary Cleanup Program (VCP) operated by the Railroad Commission of Texas (RRC). The RRC VCP provides an incentive to remediate Oil & Gas related pollution.

**Government Publication Date: May 31, 2022**

**Operator Cleanup Program:**

[OP CLEANUP](#)

A list of sites in the Texas Railroad Commission (RRC)'s Operator Cleanup Program (OCP). The OCP, under the Site Remediation Section, is tasked with oversight of complex pollution cleanups performed by the oil and gas industry. Complex sites include those that occur in sensitive environmental areas as defined by 16 TAC3.91 (SWR 91) and may require site specific cleanup levels based on risk. When cleanup activities are successfully completed by the operator, Commission staff may issue a "No Further Action" letter acknowledging completion.

**Government Publication Date: Apr 4, 2022**

**Innocent Owner/Operator Program:**

[IOP](#)

A list of sites in the Innocent Owner/Operator Program (IOP) made available by Texas Commission of Environmental Quality (TCEQ) . IOP provides certificates to innocent owners or operators whom their properties are contaminated as a result of a release or migration of contaminants from a source or sources not located on the property, and they did not cause or contribute to the source or sources of contamination.

**Government Publication Date: May 24, 2022**

**Brownfields Site Assessments Database:**

[BROWNFIELDS](#)

Former industrial properties which lie dormant or underutilized due to liability associated with real or perceived contamination are broadly referred to as brownfields. The Texas Commission on Environmental Quality (TCEQ), in close partnership with other federal, state, and local stakeholders, facilitates the cleanup, transferability, and revitalization of brownfields.

**Government Publication Date: Apr 19, 2022**

**Texas Railroad Commission Brownfields:**

[BROWN RRC](#)

List of sites which have participated or are currently participating in the Railroad Commission of Texas (RRC) Brownfields Response Program (BRP). The RRC BRP provides technical and financial support for redevelopment of abandoned oil and gas sites.

**Government Publication Date: May 31, 2022**

**Municipal Setting Designation:**

[MSD](#)

Municipal Setting Designations (MSD) list is maintained by Texas Commission on Environmental Quality (TCEQ). An MSD is an official state designation given to property within a municipality or its extraterritorial jurisdiction that certifies that designated groundwater at the property is not used as potable water, and is prohibited from future use as potable water because that groundwater is contaminated in excess of the applicable potable-water protective concentration level.

## **Tribal**

### **Leaking Underground Storage Tanks (LUSTs) on Tribal/Indian Lands:**

INDIAN LUST

Leaking Underground Storage Tanks (LUSTs) on Tribal/Indian Lands in EPA Region 6, which include Texas. There are no LUST records in Texas at this time.

Government Publication Date: Oct 6, 2017

### **Underground Storage Tanks (USTs) on Indian Lands:**

INDIAN UST

Listing of underground storage tanks (USTs) on Tribal/Indian Lands in EPA Region 6, which includes Texas.

Government Publication Date: Oct 13, 2021

### **Delisted Tribal Leaking Storage Tanks:**

DELISTED ILST

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

Government Publication Date: Apr 7, 2022

### **Delisted Tribal Underground Storage Tanks:**

DELISTED IUST

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: Apr 7, 2022

## **County**

**No County standard environmental record sources available for this State.**

## **Additional Environmental Record Sources**

### **Federal**

#### **Facility Registry Service/Facility Index:**

FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Nov 2, 2020

#### **Toxics Release Inventory (TRI) Program:**

TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U. S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Aug 24, 2021

#### **Perfluorinated Alkyl Substances (PFAS) Releases:**

PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Aug 24, 2021

#### **PFOA/PFOS Contaminated Sites:**

PFAS NPL

List of National Priorities List (NPL) and related Superfund Alternative Agreement (SAA) sites where PFOA or PFOS contaminants have been found in water and/or soil. The site listing is provided by the Federal Environmental Protection Agency (EPA).

Government Publication Date: Apr 15, 2022

**Perfluorinated Alkyl Substances (PFAS) Water Quality:**

[PFAS WATER](#)

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances.

**Government Publication Date: Jul 20, 2020**

**SSEHRI PFAS Contamination Sites:**

[PFAS SSEHRI](#)

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Disclaimer: The source conveys this database undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Limited location details are available with this data. Access the following for the most current informations <https://pfasproject.com/pfas-contamination-site-tracker/>

**Government Publication Date: Dec 12, 2019**

**National Response Center PFAS Spills:**

[ERNS PFAS](#)

National Response Center (NRC) calls from 1990 to the most recent complete calendar year where there is indication of Aqueous Film Forming Foam (AFFF) usage. NRC calls may reference AFFF usage in the "Material Involved" or "Incident Description" fields. Data made available by the US Environmental Protection Agency (EPA). Disclaimer: dataset may include initial or misidentified incident data not yet validated or investigated by a federal/state response agency.

**Government Publication Date: Feb 23, 2022**

**Hazardous Materials Information Reporting System:**

[HMIRS](#)

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

**Government Publication Date: Sep 1, 2020**

**National Clandestine Drug Labs:**

[NCDL](#)

The U.S. Department of Justice ("the Department") provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

**Government Publication Date: Nov 22, 2021**

**Toxic Substances Control Act:**

[TSCA](#)

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

**Government Publication Date: Apr 11, 2019**

**Hist TSCA:**

[HIST TSCA](#)

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

**Government Publication Date: Dec 31, 2006**

**FTTS Administrative Case Listing:**

[FTTS ADMIN](#)

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

**FTTS Inspection Case Listing:**

FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

**Potentially Responsible Parties List:**

PRP

Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.

Government Publication Date: Mar 30, 2022

**State Coalition for Remediation of Drycleaners Listing:**

SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRCD no longer maintains this data, refer to applicable state source data where available.

Government Publication Date: Nov 08, 2017

**Integrated Compliance Information System (ICIS):**

ICIS

The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.

Government Publication Date: Apr 30, 2022

**Drycleaner Facilities:**

FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) online search. The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: May 5, 2021

**Delisted Drycleaner Facilities:**

DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: May 5, 2021

**Formerly Used Defense Sites:**

FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.

Government Publication Date: May 26, 2021

**Former Military Nike Missile Sites:**

FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

**PHMSA Pipeline Safety Flagged Incidents:**

PIPELINE INCIDENT

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.

Government Publication Date: Jul 7, 2020



**Material Licensing Tracking System (MLTS):**

[MLTS](#)

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

**Government Publication Date: May 11, 2021**

**Historic Material Licensing Tracking System (MLTS) sites:**

[HIST MLTS](#)

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

**Government Publication Date: Jan 31, 2010**

**Mines Master Index File:**

[MINES](#)

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

**Government Publication Date: Feb 1, 2022**

**Surface Mining Control and Reclamation Act Sites:**

[SMCRA](#)

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

**Government Publication Date: Feb 22, 2022**

**Mineral Resource Data System:**

[MRDS](#)

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

**Government Publication Date: Mar 15, 2016**

**Uranium Mill Tailings Radiation Control Act Sites:**

[URANIUM](#)

The Legacy Management Office of the Department of Energy (DOE) manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The L.M. Office manages this database of sites registered under the Uranium Mill Tailings Control Act (UMTRCA).

**Government Publication Date: Mar 4, 2017**

**Alternative Fueling Stations:**

[ALT FUELS](#)

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

**Government Publication Date: May 16, 2022**

**Superfunds Consent Decrees:**

[CONSENT DECREES](#)

A list of Superfund consent decrees made available by the Department of Justice, Environment & Natural Resources Division (ENRD).

**Government Publication Date: May 18, 2022**

**Air Facility System:**

[AFS](#)

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

**Government Publication Date: Oct 17, 2014**

**Registered Pesticide Establishments:**

SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

**Government Publication Date: Mar 30, 2022**

**Polychlorinated Biphenyl (PCB) Transformers:**

PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

**Government Publication Date: Oct 15, 2019**

**Polychlorinated Biphenyl (PCB) Notifiers:**

PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

**Government Publication Date: Jan 20, 2022**

**State**

**Dry Cleaner Remediation Program Prioritization List:**

PRIORITY CLEAN

The Texas Commission on Environmental Quality (TCEQ) implements environmental standards for dry cleaners. The Dry Cleaner Remediation Program (DCRP) establishes a prioritization list of dry cleaner sites and administers the Dry Cleaning Remediation fund to assist with remediation of contamination caused by dry cleaning solvents. Includes prioritized sites identified under the DCRP, as well as sites closed under the DCRP.

**Government Publication Date: Mar 1, 2022**

**Registered Dry Cleaning Facilities:**

DRYCLEANERS

The Texas Commission of Environment Quality (TCEQ) maintains a statewide registration list of current dry cleaners.

**Government Publication Date: May 25, 2022**

**Delisted Drycleaning Facility List:**

DELISTED DRYCLEANERS

A list of sites which were have been removed from the list of dry cleaning facilities registered with the Texas Commission of Environment Quality (TCEQ). Sites are removed when they are no longer used as dry cleaning facilities.

**Government Publication Date: May 25, 2022**

**Groundwater Contamination Cases:**

GWCC

List of sites present in the TCEQ Groundwater Contamination Viewer, which represent groundwater contamination cases in Texas as per TCEQ publication SFR-056 (current and some previous years). The Joint Groundwater Monitoring and Contamination Report (SFR-056) was designed and produced by the Texas Groundwater Protection Committee in fulfillment of requirements given in Section 26.406 of the Texas Water Code. The information does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries.

**Government Publication Date: Dec 31, 2020**

**Historical Groundwater Contamination Cases:**

GWCC HIST

List of sites from a Joint Groundwater Monitoring and Contamination Report provided by the Texas Commission on Environmental Quality (TCEQ) with the Railroad Commission of Texas (RRC). The annual report describes the status of groundwater monitoring activities conducted or required by each agency at regulated facilities or associated with regulated activities. The report provides a general overview of groundwater monitoring by participating members on a program by program basis. Groundwater contamination is broadly defined in the report as any detrimental alteration of the naturally occurring quality of groundwater.

**Government Publication Date: Dec 31, 2018**

**Affected Property Assessment Reports:**

APAR

List of sites for which an Affected Property Assessment Report has been submitted to the Texas Commission on Environmental Quality (TCEQ). An APAR is required when a person is addressing a release of COCs under 30 TAC Chapter 350, the Texas Risk Reduction Program (TRRP). The purpose of the APAR is to document all relevant affected property information to identify all release sources and chemicals of concern (COCs), determine the extent of all COCs, identify all transport/exposure pathways, and to determine if any response actions are necessary.

**Government Publication Date: Mar 1, 2022**

**Spills Database:**

SPILLS

List of Spills reported to Emergency Response Division of the Texas Commission on Environmental Quality (TCEQ).

**Government Publication Date: Apr 5, 2022**

**Per- and Polyfluoroalkyl Substances (PFAS):**

PFAS

A list of sites from the Central Registry and ARTS databases where Per- and Polyfluoroalkyl substances (PFAS) containing materials may be of concern. This list is made available by the Remediation Division of the Texas Commission on Environmental Quality (TCEQ).

**Government Publication Date: May 18, 2022**

**Industrial and Hazardous Waste Sites with Corrective Actions:**

IHW CORR ACTION

List of Industrial and Hazardous Waste sites with Corrective Actions made available by the Texas Commission of Environmental Quality (TCEQ). The mission of the industrial and hazardous waste (IHW) corrective action program is to oversee the cleanup of sites contaminated from industrial and municipal hazardous and industrial nonhazardous wastes.

**Government Publication Date: May 30, 2022**

**Land Application Permits:**

LAND APPL

Texas Land Application Permits are a requirement from the Texas Commission on Environmental Quality for any domestic facility that disposes of treated effluent by land application such as surface irrigation, evaporation, drainfields or subsurface land application.

**Government Publication Date: May 3, 2022**

**Notice of Violation:**

NOV

List of sites that have been sent a Notice of Violation (NOV) by the Texas Commission on Environmental Quality (TCEQ) Office of Compliance and Enforcement. A Notice of Violation is sent out when a site falls out of compliance and has a prescribed time period to return to compliance.

**Government Publication Date: May 2, 2022**

**Notices of Enforcement:**

NOE

Listing of investigations resulting in a Notice of Enforcement (NOE), made available by the Texas Commission on Environmental Quality, Office of Compliance & Enforcement. Multiple violations may be due to identified noncompliance with different regulatory requirements (citations).

**Government Publication Date: Jun 6, 2022**

**Environmental Liens Listing:**

LIENS

List of sites/facilities against which the Texas Commission on Environmental Quality (TCEQ) has placed liens to recover cleanup costs associated with Federal or State Superfund cleanup activities.

**Government Publication Date: May 25, 2022**

**Court Orders & Administrative Orders:**

ORD

List of sites that have been sent an Administrative Order or Court Order by the Texas Commission on Environmental Quality (TCEQ) Office of Compliance and Enforcement.

**Government Publication Date: Mar 21, 2022**

**Inactive Regulated RCRA Generator Facilities:**

HIST RCRA GEN

A list of facilities which were once registered as generators of hazardous waste, but are no longer active or no longer require registration. The U.S. Environmental Protection Agency (EPA) requires the Texas Commission on Environmental Quality (TCEQ) to investigate hazardous waste generators. If an unregistered/inactive industrial site generates less than 220 pounds of hazardous or Class 1 industrial waste, it does not have to notify or report to the TCEQ.

**Government Publication Date: Mar 18, 2022**

**Recycle Texas Online Program:**

RTOL

A list of recycling facilities under the Recycle Texas Online service/program made available by the Texas Commission of Environmental Quality (TCEQ). This program allowed facilities to self-report and post their own company/facility information. This program is no longer maintained and these data will not be updated.

**Government Publication Date: Oct 10, 2011**

**Underground Injection Control:**

UIC

List of underground injection control (UIC) permits in the Texas Commission on Environmental Quality (TCEQ) Central Registry database. Includes Class I, Class III, Class IV, Class 5, and non permitted UICs; does not include injection wells regulated by the Railroad Commission of Texas.

**Government Publication Date: Feb 26, 2022**

**Industrial and Hazardous Waste - Generators:**

**IHW GENERATOR**

List of active, inactive, and post-closure Industrial and Hazardous Waste Generator Facilities permitted by or registered with the Texas Commission on Environmental Quality (TCEQ) under the Texas Administrative Code (TAC) Title 30 Chapter 335.

**Government Publication Date: May 6, 2022**

**Industrial and Hazardous Waste - Transporters:**

**IHW TRANSPORT**

List of active, inactive, and post-closure Industrial and Hazardous Waste Transporter Facilities permitted by or registered with the Texas Commission on Environmental Quality (TCEQ) under the Texas Administrative Code (TAC) Title 30 Chapter 335.

**Government Publication Date: May 6, 2022**

**New Source Review (NSR) Permits:**

**AIR PERMITS**

A list of facilities that have applied for New Source Review air permits made available by the Texas Commission on Environmental Quality (TCEQ).

**Government Publication Date: May 19, 2022**

**Point Source Emissions Inventory:**

**EMISSIONS**

A list of Texas Commission on Environmental Quality (TCEQ) Point Source Emissions Inventory sites. The Point Source Emissions Inventory is an annual survey of chemical plants, refineries, electric utility plants and other industrial sites that meet the reporting criteria in the TCEQ emissions inventory rule (30 TAC §101.10Exit the TCEQ ).

**Government Publication Date: Apr 25, 2022**

**Tier 2 Report:**

**TIER 2**

Historical listing of facilities in Texas that store hazardous chemicals and are required to report them under the Emergency Planning and Community Right-to-Know Act (EPCRA) of 1986. This data was provided by the Department of State Health Services (DSHS) and contains facility reports for the 2005 through the 2012 calendar years. Since 2012, agencies are unable to release this listing, as Tier II information is confidential under Texas Government Code Chapter 418, the Texas Disaster Act (TDA). Site specific inquiries can be made to the Texas Commission on Environmental Quality Tier II Chemical Reporting Division.

**Government Publication Date: Dec 31, 2012**

**Edwards Aquifer Permits:**

**EDWARDS AQUIFER**

Listing of Edwards Aquifer permits made available by the Texas Commission on Environmental Quality (TCEQ). The Edwards Aquifer is home to diverse fauna and is a drinking water source for the city of San Antonio and surrounding central Texas communities. Before building on the recharge, transition, or contributing zones of the Edwards Aquifer, a plan must first be reviewed and approved by the TCEQ Edwards Aquifer Protection Program.

**Government Publication Date: Jul 21, 2006**

**Tribal**

**No Tribal additional environmental record sources available for this State.**

**County**

**No County additional environmental record sources available for this State.**



# Definitions

**Database Descriptions:** This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

**Detail Report:** This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

**Distance:** The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

**Direction:** The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

**Elevation:** The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

**Executive Summary:** This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

**Map Key:** The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

**Unplottables:** These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.



## Property Information

|                   |  |
|-------------------|--|
| Order Number:     | 22070500539p                               |
| Date Completed:   | July 6, 2022                               |
| Project Number:   | 22-377367.1                                |
| Project Property: | Vacant Land<br>4354 US-377 AUBREY TX 76227 |
| Coordinates:      |  |
| Latitude:         | 33.25849086                                |
| Longitude:        | -96.9843326                                |
| UTM Northing:     | 3681755.56937 Meters                       |
| UTM Easting:      | 687759.82308 Meters                        |
| UTM Zone:         | UTM Zone 14S                               |
| Elevation:        | 629.19 ft                                  |
| Slope Direction:  | NE   |

|                                   |    |
|-----------------------------------|----|
| Topographic Information.....      | 2  |
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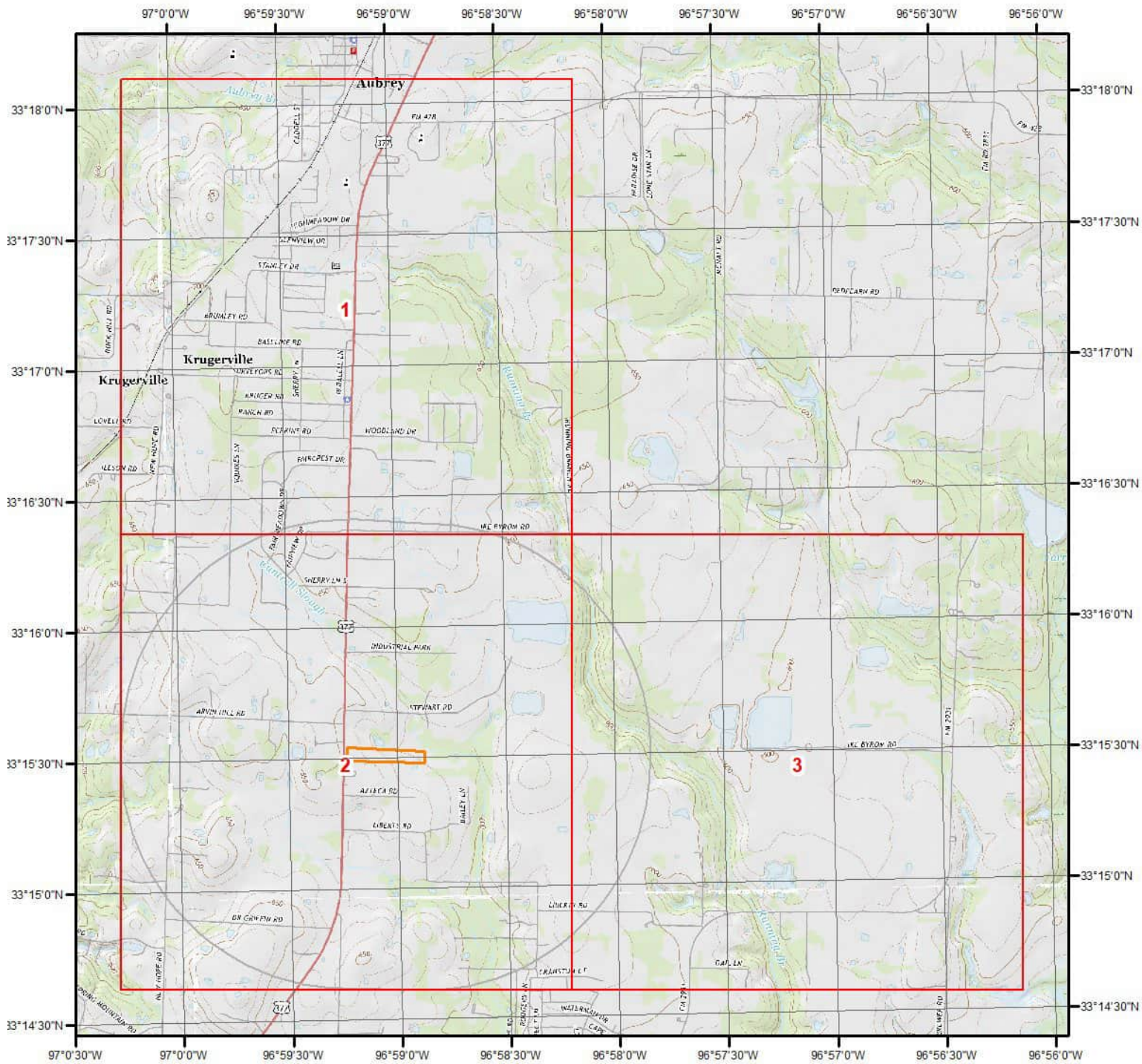
The ERIS **Physical Setting Report - PSR** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

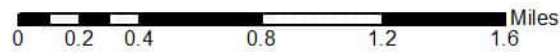
### Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

# Topographic Information



**Current USGS Topo (2016)**



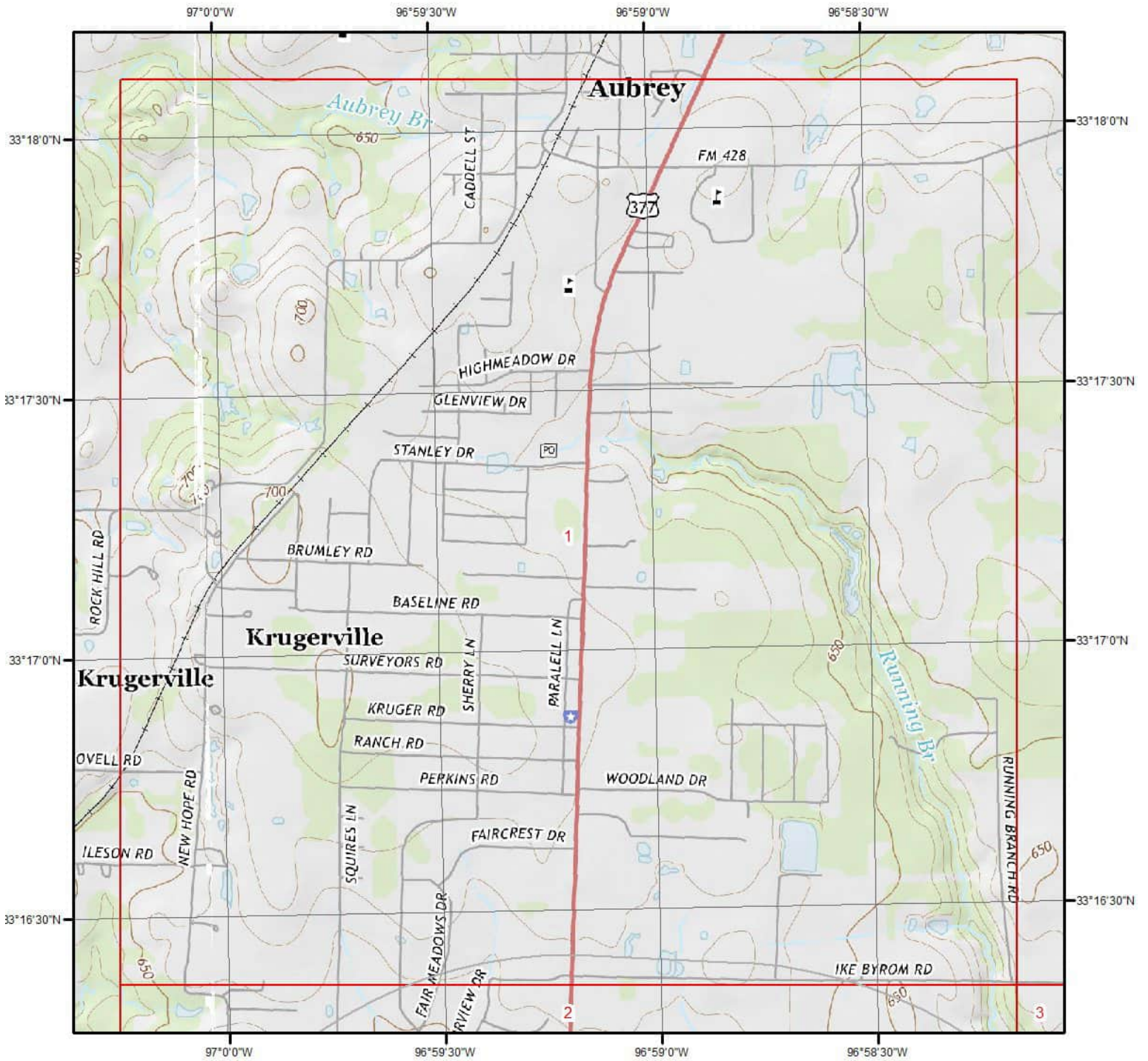
**Quadrangle(s): Aubrey, TX; Denton East, TX; Green Valley, TX; Little F.lm. TX**

Source: USGS 7.5 Minute Topographic Map





# Topographic Information



## Current USGS Topo - Page 1



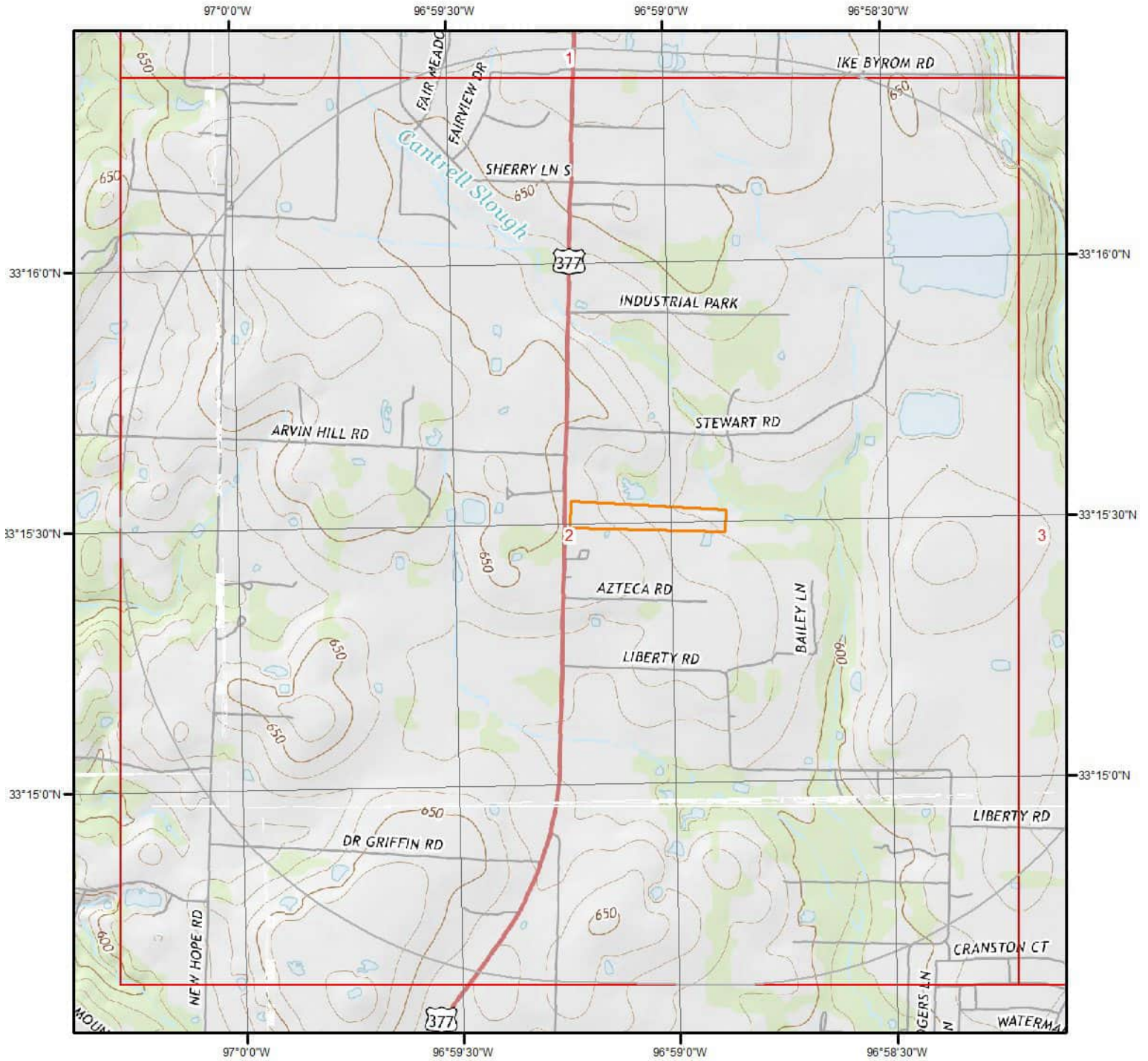
Quadrangle(s): Aubrey, TX; Green Valley, TX

Source: USGS 7.5 Minute Topographic Map

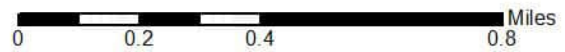




# Topographic Information



## Current USGS Topo - Page 2

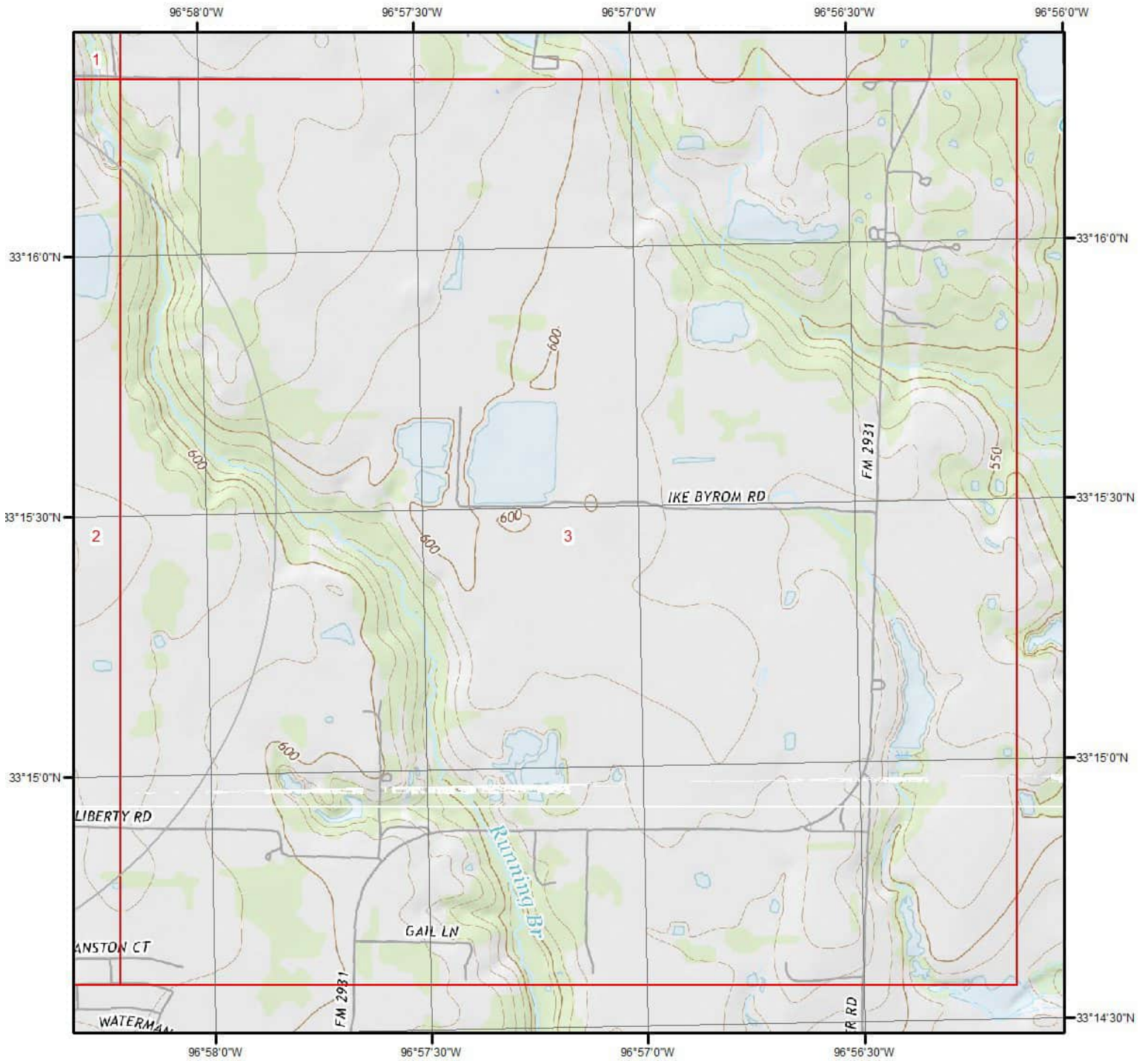


Quadrangle(s): Aubrey, TX; Denton East, TX; Green Valley, TX; Little F.lm. TX

Source: USGS 7.5 Minute Topographic Map



# Topographic Information



## Current USGS Topo - Page 3



Quadrangle(s): Aubrey, TX; Little Elm, TX

Source: USGS 7.5 Minute Topographic Map



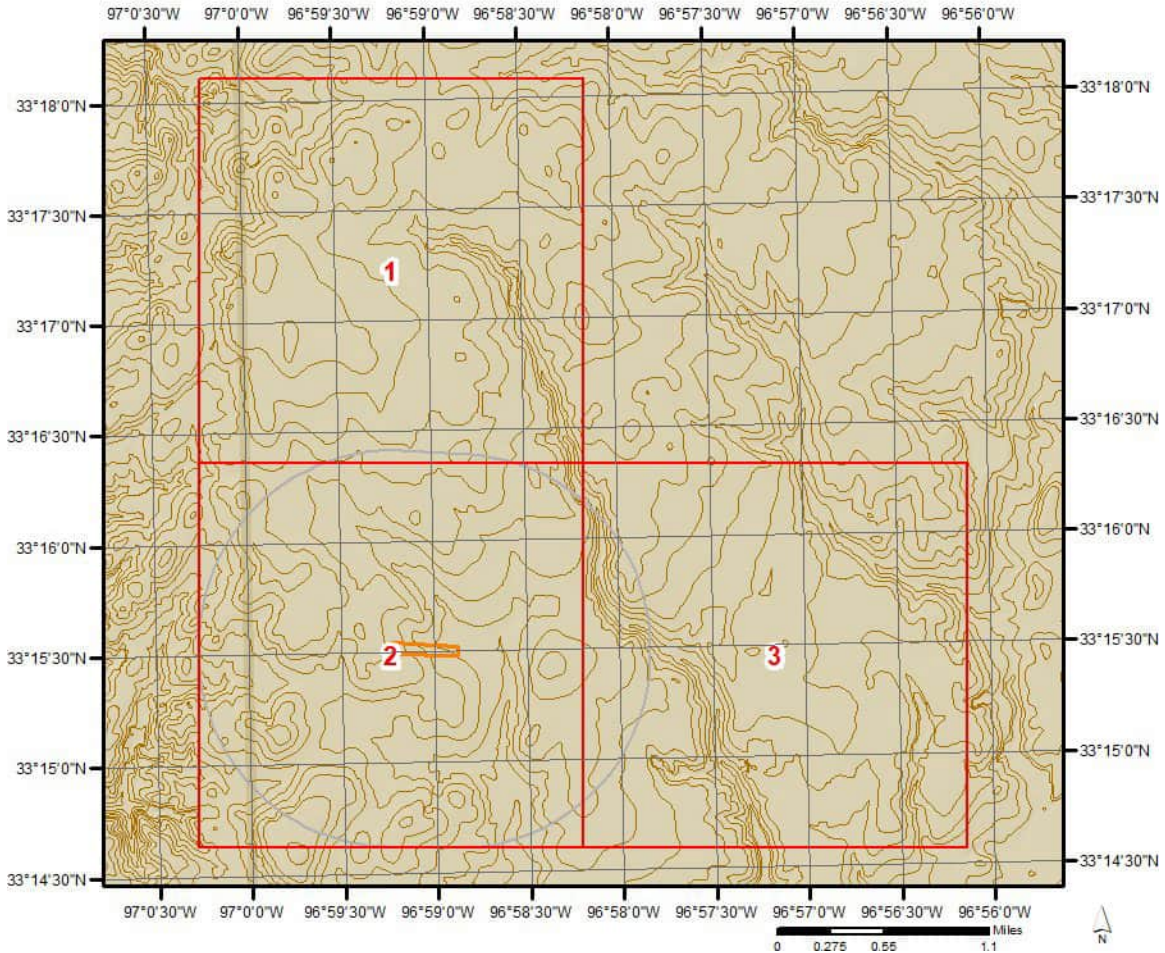


# Topographic Information

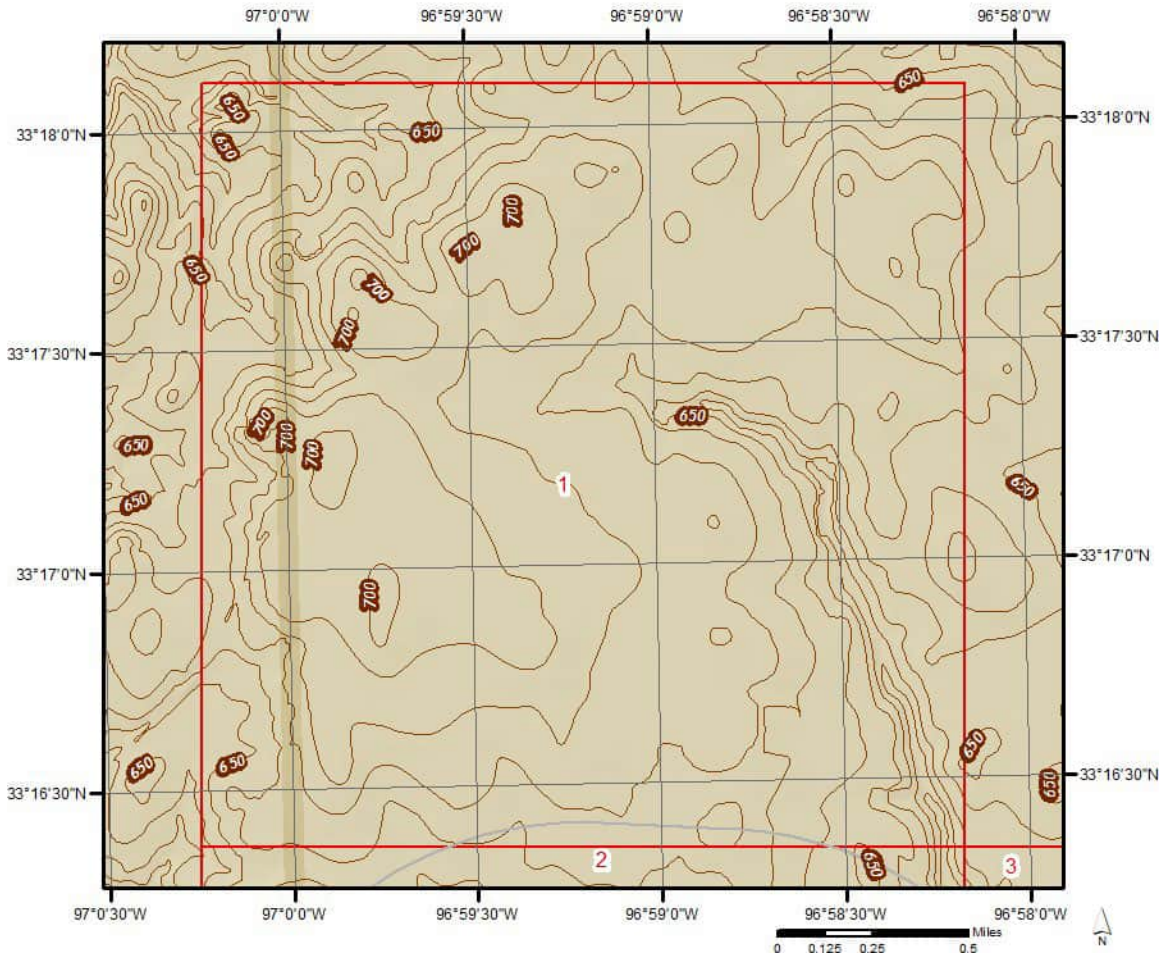
The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

Elevation: 629.19 ft  
Slope Direction: NE

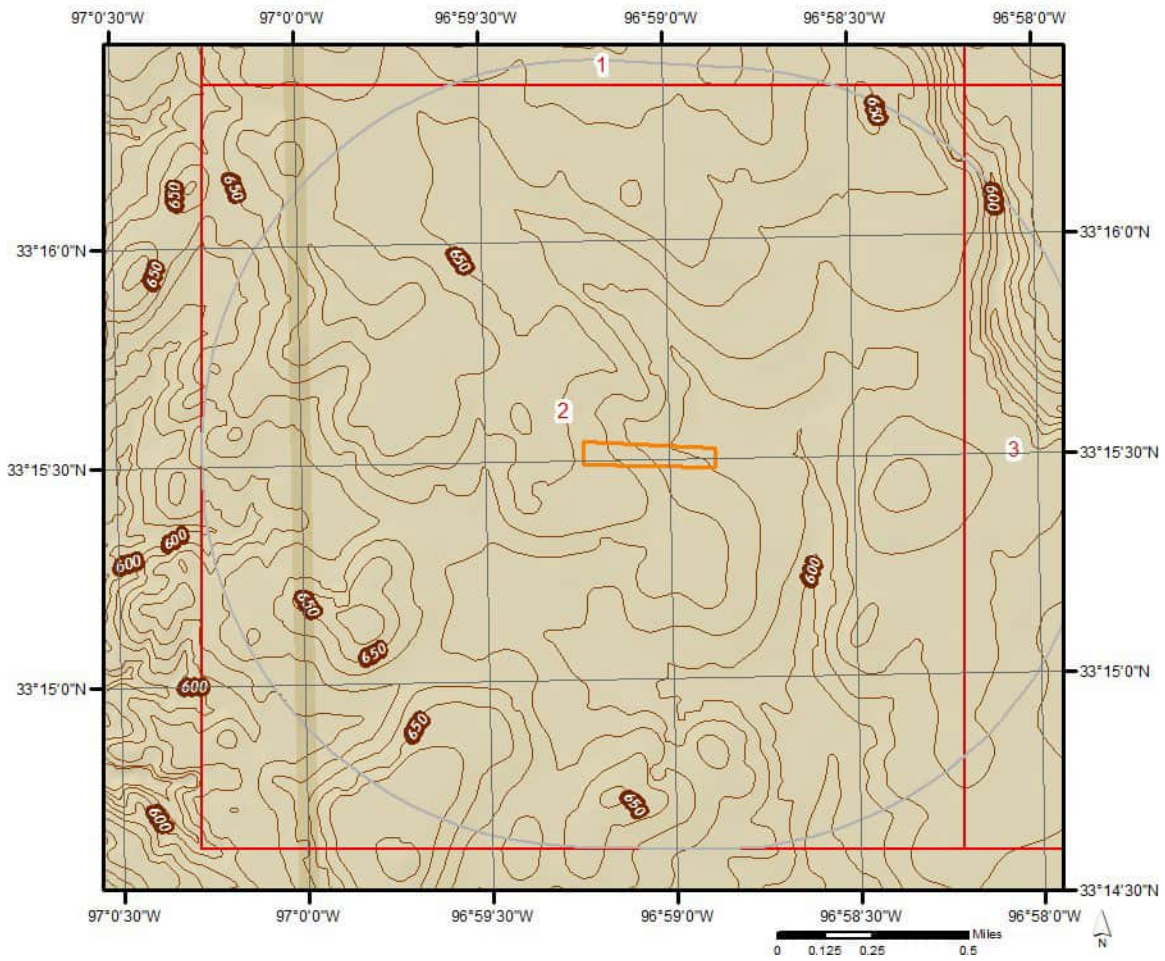


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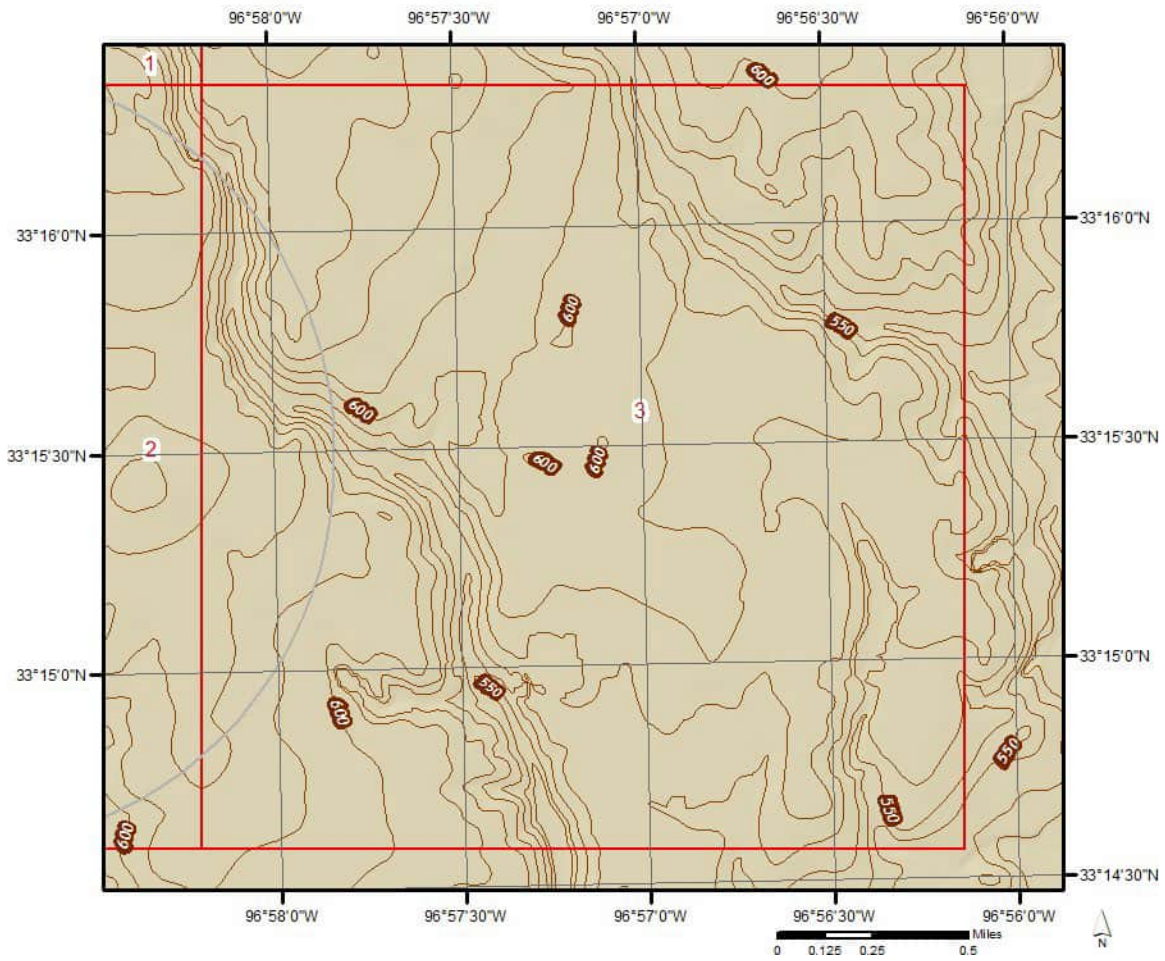




# Topographic Information



# Topographic Information



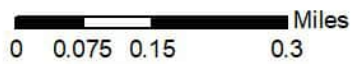


# Hydrologic Information



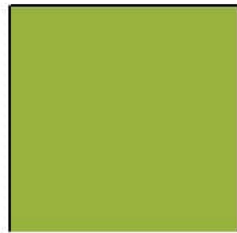
Source: Esri, Imagery, Earthstar Geographics, and the GIS User Community

## Wetland

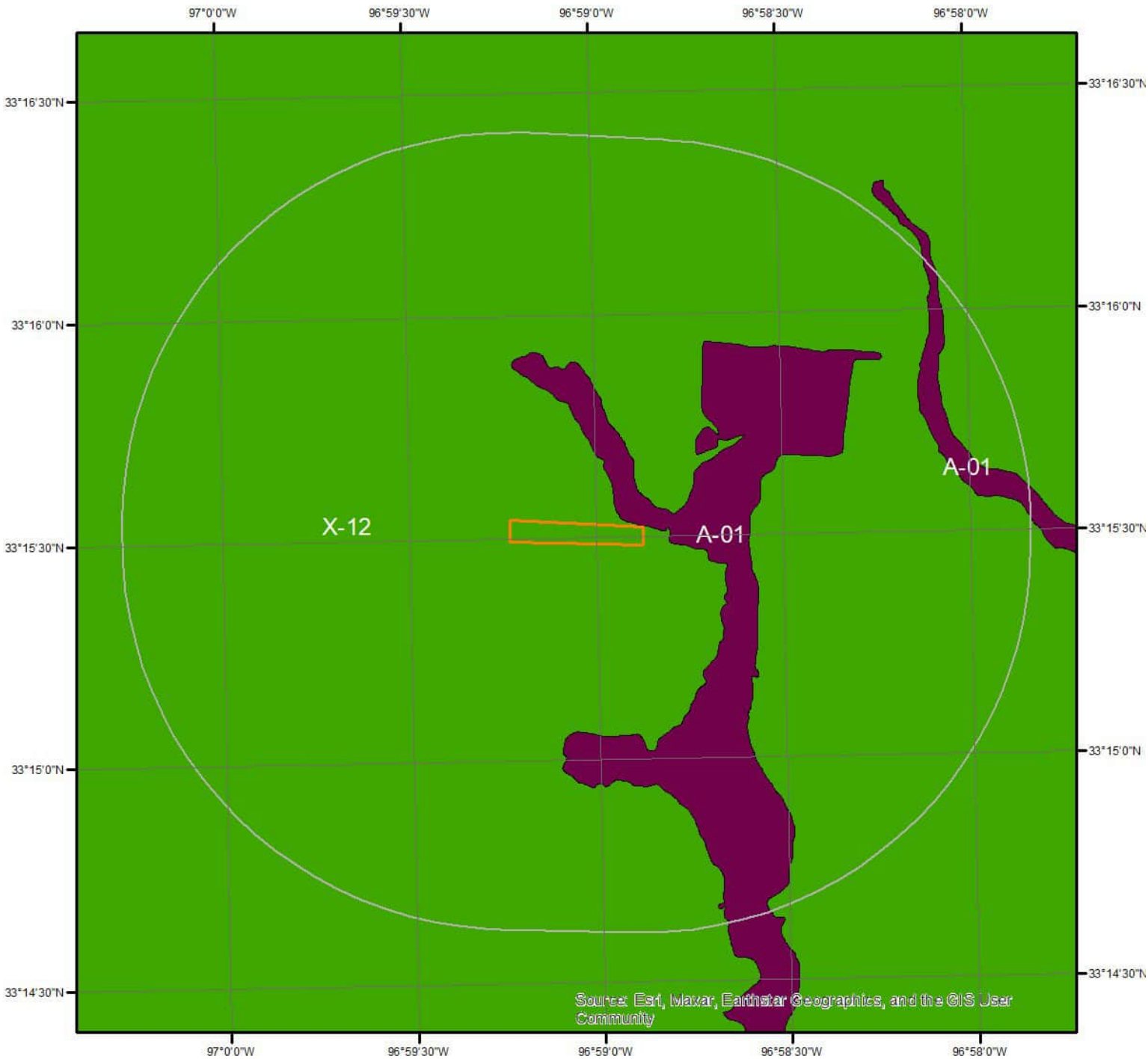


This map shows wetland existence using data from US Fish & Wildlife. Data coverage is shown to the right. Gray indicates no data available in the area.

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



# Hydrologic Information














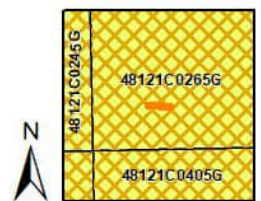
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

## Flood Hazard Zones



This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

|   |  |   |
|---|--|---|
|  A   |  AO |  X                 |
|  A99 |  V  |  OPEN WATER        |
|  AE  |  VE |  NOT POPULATED     |
|  AH  |  D  |  AREA NOT INCLUDED |



Quadrangle(s): Aubrey, TX; Denton East, TX; Green Valley, TX; Little Elm, TX





## Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below. For detailed Zone descriptions please click the link: <https://floodadvocate.com/fema-zone-definitions>

---

Available FIRM Panels in area: 48121C0405G(effective:2011-04-18) 48121C0265G(effective:2011-04-18)  
48121C0245G(effective:2011-04-18) 48121C0385G(effective:2011-04-18)

---

### Flood Zone A-01

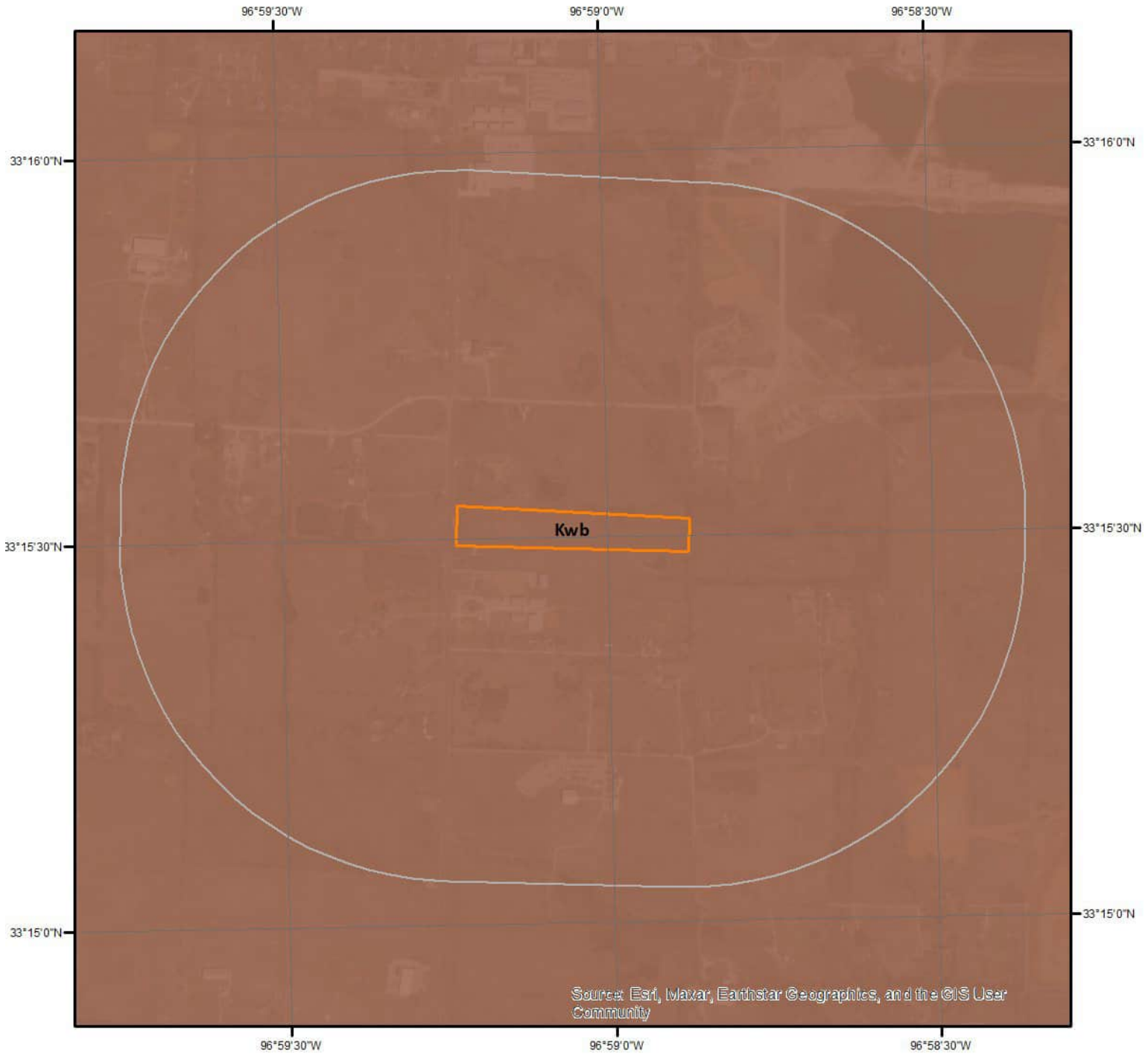
Zone: A  
Zone subtype:

---

### Flood Zone X-12

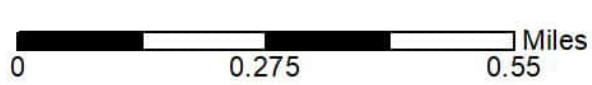
Zone: X  
Zone subtype: AREA OF MINIMAL FLOOD HAZARD

# Geologic Information



## Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.



## Geologic Information

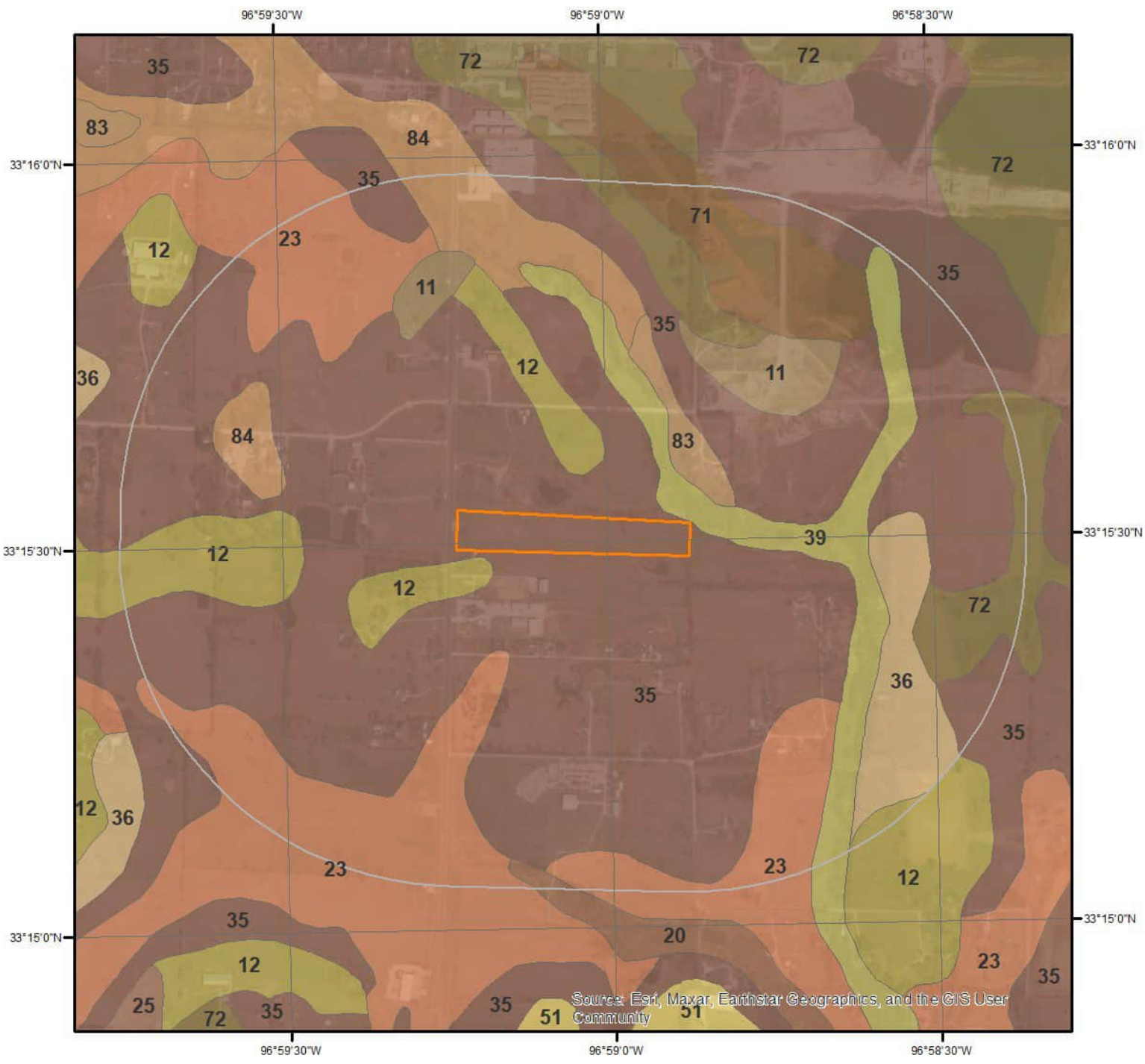
The previous page shows USGS geology information. Detailed information about each unit is provided below.

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### Geologic Unit Kwb

|                      |  |
|----------------------|--|
| Unit Name:           | Woodbine Formation                                 |
| Unit Age:            | Phanerozoic   Mesozoic   Cretaceous-Late [Gulfian] |
| Primary Rock Type:   | shale  |
| Secondary Rock Type: | sand   |
| Unit Description:    | Woodbine Formation                                 |

# Soil Information



## SSURGO Soils



This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.





## Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

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### Map Unit 11 (0.43%)

|                                |  |
|--------------------------------|--|
| Map Unit Name:                 | Birome fine sandy loam, 1 to 3 percent slopes  |
| Bedrock Depth - Min:           | 81cm   |
| Watertable Depth - Annual Min: | null   |
| Drainage Class - Dominant:     | Well drained   |
| Hydrologic Group - Dominant:   | C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted. |

Major components are printed below

|                           |                 |
|---------------------------|-----------------|
| Birome(100%)              |                 |
| horizon H1(0cm to 15cm)   | Fine sandy loam |
| horizon H2(15cm to 81cm)  | Clay            |
| horizon H3(81cm to 152cm) | Bedrock         |

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 11 - Birome fine sandy loam, 1 to 3 percent slopes

Component: Birome (100%)

The Birome component makes up 100 percent of the map unit. Slopes are 1 to 3 percent. This component is on ridges on hills. The parent material consists of loamy residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R084CY194TX Sandy Loam 37-43 Pz ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

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### Map Unit 12 (2.1%)

|                                |  |
|--------------------------------|--|
| Map Unit Name:                 | Birome fine sandy loam, 3 to 5 percent slopes  |
| Bedrock Depth - Min:           | 86cm   |
| Watertable Depth - Annual Min: | null   |
| Drainage Class - Dominant:     | Well drained   |
| Hydrologic Group - Dominant:   | C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted. |

Major components are printed below

|                           |                 |
|---------------------------|-----------------|
| Birome(100%)              |                 |
| horizon H1(0cm to 15cm)   | Fine sandy loam |
| horizon H2(15cm to 69cm)  | Clay            |
| horizon H3(69cm to 86cm)  | Sandy clay      |
| horizon H4(86cm to 152cm) | Bedrock         |

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 12 - Birome fine sandy loam, 3 to 5 percent slopes

Component: Birome (100%)

The Birome component makes up 100 percent of the map unit. Slopes are 3 to 5 percent. This component is on ridges on hills. The parent material consists of loamy residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, paralithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to

## Soil Information

a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R084CY194TX Sandy Loam 37-43 Pz ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

### Map Unit 20 (0.59%)

Map Unit Name: Bunyan fine sandy loam, frequently flooded  
Bedrock Depth - Min: null  
Watertable Depth - Annual Min: null  
Drainage Class - Dominant: Well drained  
Hydrologic Group - Dominant: B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Bunyan(100%)  
horizon H1(0cm to 53cm) Fine sandy loam  
horizon H2(53cm to 168cm) Sandy clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 20 - Bunyan fine sandy loam, frequently flooded

Component: Bunyan (100%)

The Bunyan component makes up 100 percent of the map unit. Slopes are 0 to 1 percent. This component is on flood plains on river valleys. The parent material consists of loamy alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is frequently flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R084CY191TX Loamy Bottomland 37-43 Pz ecological site. Nonirrigated land capability classification is 5w. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

### Map Unit 23 (16.22%)

Map Unit Name: Callisburg fine sandy loam, 1 to 3 percent slopes  
Bedrock Depth - Min: null  
Watertable Depth - Annual Min: null  
Drainage Class - Dominant: Well drained  
Hydrologic Group - Dominant: C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Callisburg(100%)  
horizon H1(0cm to 13cm) Fine sandy loam  
horizon H2(13cm to 142cm) Sandy clay  
horizon H3(142cm to 203cm) Sandy clay

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 23 - Callisburg fine sandy loam, 1 to 3 percent slopes

Component: Callisburg (100%)

The Callisburg component makes up 100 percent of the map unit. Slopes are 1 to 3 percent. This component is on ridges on hills. The parent material consists of clayey residuum weathered from shale. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no

## Soil Information

zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R084CY194TX Sandy Loam 37-43 Pz ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

### Map Unit 35 (48.8%)

Map Unit Name: Gasil fine sandy loam, 1 to 3 percent slopes  
Bedrock Depth - Min: null  
Watertable Depth - Annual Min: null  
Drainage Class - Dominant: Well drained  
Hydrologic Group - Dominant: B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Gasil(100%)  
horizon H1(0cm to 18cm) Fine sandy loam  
horizon H2(18cm to 203cm) Sandy clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 35 - Gasil fine sandy loam, 1 to 3 percent slopes

Component: Gasil (85%)

The Gasil component makes up 85 percent of the map unit. Slopes are 1 to 3 percent. This component is on ridges on hills. The parent material consists of loamy residuum weathered from sandstone. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R084CY194TX Sandy Loam 37-43 Pz ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Callisburg (10%)

Generated brief soil descriptions are created for major soil components. The Callisburg soil is a minor component.

Component: Birome (5%)

Generated brief soil descriptions are created for major soil components. The Birome soil is a minor component.

### Map Unit 36 (0.61%)

Map Unit Name: Gasil fine sandy loam, 3 to 8 percent slopes  
Bedrock Depth - Min: null  
Watertable Depth - Annual Min: null  
Drainage Class - Dominant: Well drained  
Hydrologic Group - Dominant: B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Gasil(100%)  
horizon H1(0cm to 23cm) Fine sandy loam  
horizon H2(23cm to 163cm) Sandy clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 36 - Gasil fine sandy loam, 3 to 8 percent slopes

Component: Gasil (85%)

## Soil Information

The Gasil component makes up 85 percent of the map unit. Slopes are 3 to 8 percent. This component is on ridges on hills. The parent material consists of loamy residuum weathered from sandstone. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R084CY194TX Sandy Loam 37-43 Pz ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Crosstell (8%)

Generated brief soil descriptions are created for major soil components. The Crosstell soil is a minor component.

Component: Birome (5%)

Generated brief soil descriptions are created for major soil components. The Birome soil is a minor component.

Component: Heaton (2%)

Generated brief soil descriptions are created for major soil components. The Heaton soil is a minor component.

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### Map Unit 39 (1.74%)

|                                    |   |
|------------------------------------|---|
| Map Unit Name:                     | Gowen clay loam, occasionally flooded   |
| Bedrock Depth - Min:               | null  |
| Watertable Depth - Annual Min:     | null  |
| Drainage Class - Dominant:         | Well drained  |
| Hydrologic Group - Dominant:       | B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded. |
| Major components are printed below |   |
| Gowen(100%)                        |   |
| horizon H1(0cm to 58cm)            | Clay loam   |
| horizon H2(58cm to 165cm)          | Clay loam   |

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 39 - Gowen clay loam, occasionally flooded

Component: Gowen (100%)

The Gowen component makes up 100 percent of the map unit. Slopes are 0 to 1 percent. This component is on flood plains on river valleys. The parent material consists of loamy alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is occasionally flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the R084CY191TX Loamy Bottomland 37-43 Pz ecological site. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. There are no saline horizons within 30 inches of the soil surface.

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### Map Unit 71 (1.04%)

|                                    |   |
|------------------------------------|---|
| Map Unit Name:                     | Silawa loamy fine sand, 2 to 5 percent slopes   |
| Bedrock Depth - Min:               | null  |
| Watertable Depth - Annual Min:     | null  |
| Drainage Class - Dominant:         | Well drained  |
| Hydrologic Group - Dominant:       | B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded. |
| Major components are printed below |   |
| Silawa(100%)                       |   |
| horizon H1(0cm to 36cm)            | Loamy fine sand   |
| horizon H2(36cm to 142cm)          | Sandy clay loam   |



## Soil Information

horizon H3(142cm to 152cm)

Loamy fine sand

### Component Description:

Minor map unit components are excluded from this report.

Map Unit: 71 - Silawa loamy fine sand, 2 to 5 percent slopes

Component: Silawa (100%)

The Silawa component makes up 100 percent of the map unit. Slopes are 2 to 5 percent. This component is on stream terraces on river valleys. The parent material consists of sandy alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R084CY193TX Sandy 37-43 Pz ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

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### Map Unit 72 (25.22%)

Map Unit Name:

Silstid loamy fine sand, 1 to 5 percent slopes

Bedrock Depth - Min:

null

Watertable Depth - Annual Min:

null

Drainage Class - Dominant:

Well drained

Hydrologic Group - Dominant:

A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Silstid(100%)

horizon H1(0cm to 76cm)

Loamy fine sand

horizon H2(76cm to 183cm)

Loamy fine sand

horizon H3(183cm to 203cm)

Sandy clay loam

### Component Description:

Minor map unit components are excluded from this report.

Map Unit: 72 - Silstid loamy fine sand, 1 to 5 percent slopes

Component: Silstid (100%)

The Silstid component makes up 100 percent of the map unit. Slopes are 1 to 5 percent. This component is on ridges on hills. The parent material consists of sandy residuum weathered from sandstone Woodbine Formation. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R084CY193TX Sandy 37-43 Pz ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

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### Map Unit 83 (0.18%)

Map Unit Name:

Wilson clay loam, 0 to 1 percent slopes

Bedrock Depth - Min:

null

Watertable Depth - Annual Min:

null

Drainage Class - Dominant:

Moderately well drained

Hydrologic Group - Dominant:

D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Wilson(100%)

horizon H1(0cm to 15cm)

Clay loam

horizon H2(15cm to 152cm)

Clay

## Soil Information

horizon H3(152cm to 203cm)

Clay

### Component Description:

Minor map unit components are excluded from this report.

Map Unit: 83 - Wilson clay loam, 0 to 1 percent slopes

#### Component: Wilson (85%)

The Wilson component makes up 85 percent of the map unit. Slopes are 0 to 1 percent. This component is on stream terraces on dissected plains. The parent material consists of loamy and/or clayey alluvium derived from mudstone. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is high. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 36 inches during January, February, March, November, December. Organic matter content in the surface horizon is about 1 percent. This component is in the R086AY004TX Southern Claypan Prairie ecological site. Nonirrigated land capability classification is 3w. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 11 percent. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 5 within 30 inches of the soil surface.

#### Component: Burleson (10%)

Generated brief soil descriptions are created for major soil components. The Burleson soil is a minor component.

#### Component: Crockett (5%)

Generated brief soil descriptions are created for major soil components. The Crockett soil is a minor component.

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### Map Unit 84 (3.07%)

Map Unit Name:

Wilson clay loam, 1 to 3 percent slopes

Bedrock Depth - Min:

null

Watertable Depth - Annual Min:

null

Drainage Class - Dominant:

Moderately well drained

Hydrologic Group - Dominant:

D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Wilson(100%)

horizon H1(0cm to 13cm)

Clay loam

horizon H2(13cm to 132cm)

Clay

horizon H3(132cm to 163cm)

Clay

### Component Description:

Minor map unit components are excluded from this report.

Map Unit: 84 - Wilson clay loam, 1 to 3 percent slopes

#### Component: Wilson (85%)

The Wilson component makes up 85 percent of the map unit. Slopes are 1 to 3 percent. This component is on stream terraces on dissected plains. The parent material consists of loamy and/or clayey alluvium derived from mudstone. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R086AY004TX Southern Claypan Prairie ecological site. Nonirrigated land capability classification is 3w. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 11 percent. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 5 within 30 inches of the soil surface.

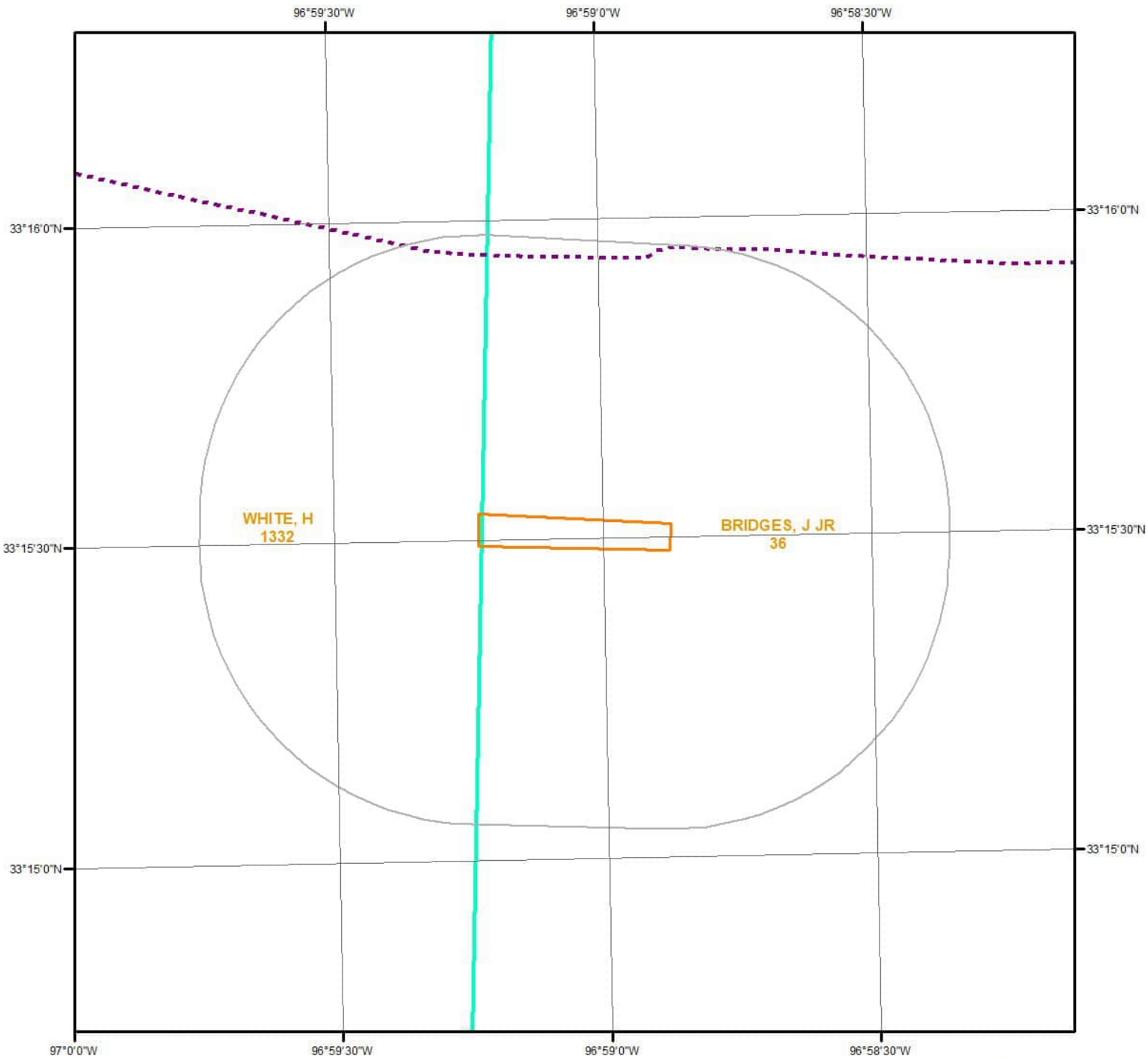
#### Component: Burleson (10%)

Generated brief soil descriptions are created for major soil components. The Burleson soil is a minor component.

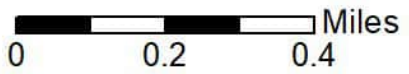
#### Component: Crockett (5%)

Generated brief soil descriptions are created for major soil components. The Crockett soil is a minor component.

# Pipeline and Survey Information



## Survey & Pipeline Map



This maps shows Survey & Pipeline around the target property. Please refer to the report for detailed descriptions.

### Legend

- ..... Pipeline
- Survey



## Pipeline and Survey Detail Report

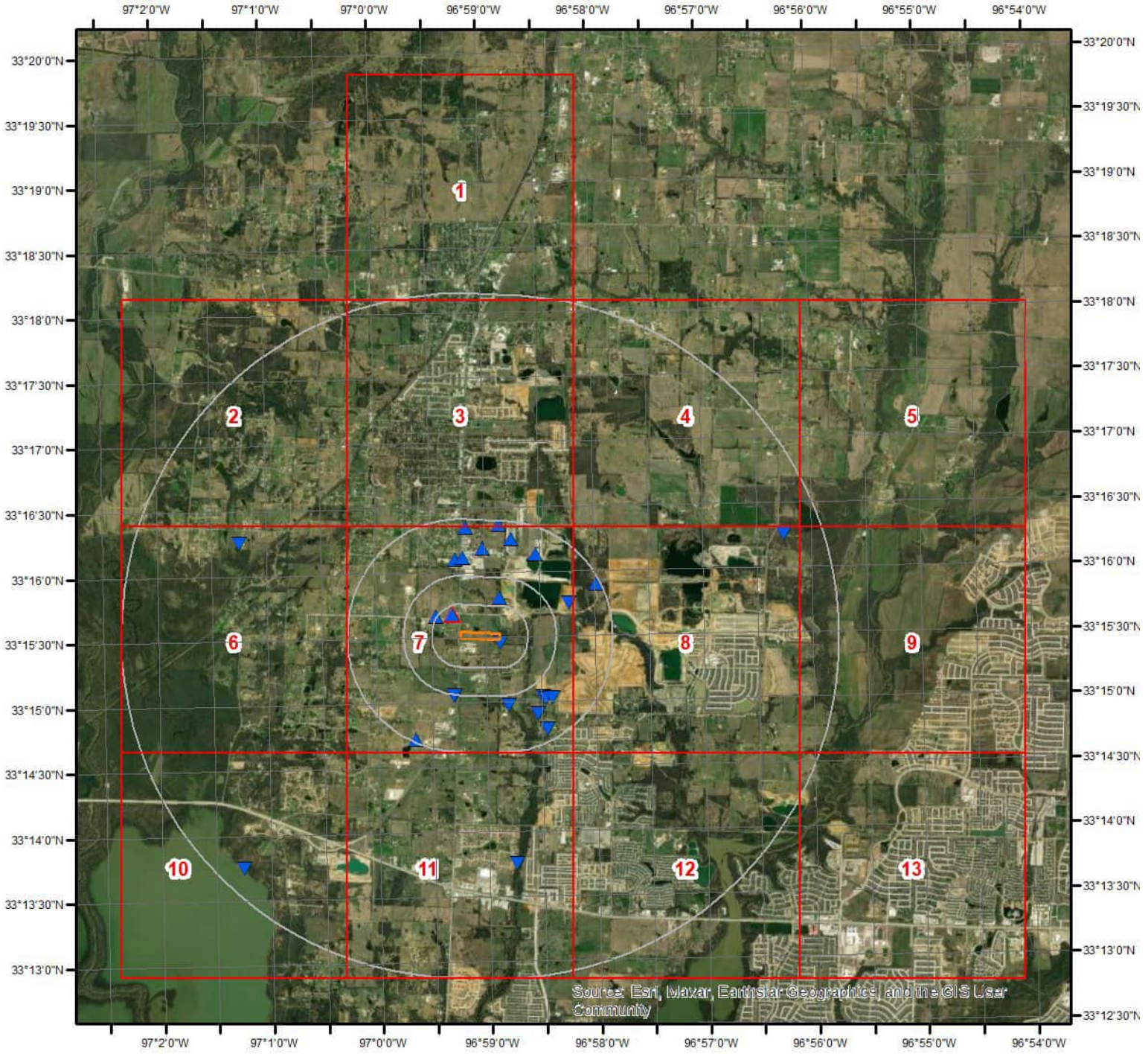
The previous page shows a pipeline and survey map. Detailed information about each unit is provided below.

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|                   |                              |
|-------------------|------------------------------|
| Pipe Line ID      | 10260                        |
| Status            | I                            |
| T4 Permit NO      | 01992                        |
| Commodity         | HVL                          |
| Cmdty Desc        | HIGHLY VOLATILE LIQUID (HVL) |
| Operator          | ONEOK NGL PIPELINE, L.L.C.   |
| System Name       | STERLING PIPELINE SYSTEM     |
| Diameter (inches) | 6.63                         |



# Wells and Additional Sources



## Wells & Additional Sources



- |                                |                                    |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation  | ▲ OGW Sites with Higher Elevation  |
| ■ Sites with Same Elevation    | ■ OGW Sites with Same Elevation    |
| ▼ Sites with Lower Elevation   | ▼ OGW Sites with Lower Elevation   |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |





# Wells and Additional Sources



## Wells & Additional Sources - Page 1



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| ▲ Sites with Higher Elevation  | ▲ OGW Sites with Higher Elevation  |
| ■ Sites with Same Elevation    | ■ OGW Sites with Same Elevation    |
| ▼ Sites with Lower Elevation   | ▼ OGW Sites with Lower Elevation   |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |





# Wells and Additional Sources



## Wells & Additional Sources - Page 2

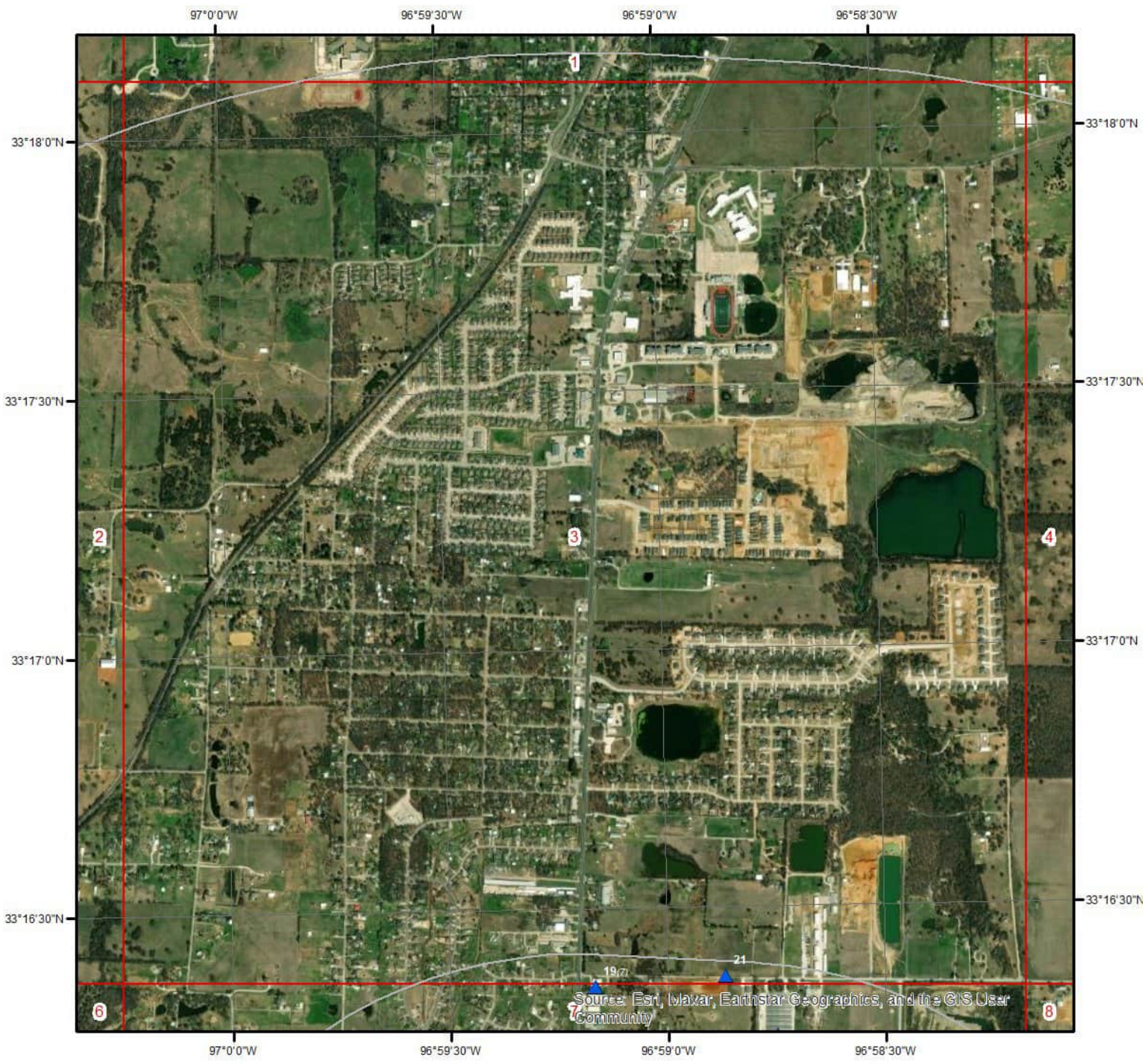


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| ▲ Sites with Higher Elevation  | ▲ OGW Sites with Higher Elevation  |
| ■ Sites with Same Elevation    | ■ OGW Sites with Same Elevation    |
| ▼ Sites with Lower Elevation   | ▼ OGW Sites with Lower Elevation   |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |

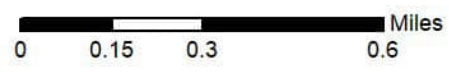




# Wells and Additional Sources



## Wells & Additional Sources - Page 3



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| ▲ Sites with Higher Elevation  | ▲ OGW Sites with Higher Elevation  |
| ■ Sites with Same Elevation    | ■ OGW Sites with Same Elevation    |
| ▼ Sites with Lower Elevation   | ▼ OGW Sites with Lower Elevation   |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |

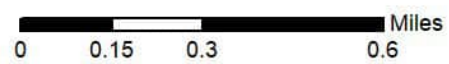




# Wells and Additional Sources



## Wells & Additional Sources - Page 4



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|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation  | ▲ OGW Sites with Higher Elevation  |
| ■ Sites with Same Elevation    | ■ OGW Sites with Same Elevation    |
| ▼ Sites with Lower Elevation   | ▼ OGW Sites with Lower Elevation   |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |





# Wells and Additional Sources



## Wells & Additional Sources - Page 5



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|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation  | ▲ OGW Sites with Higher Elevation  |
| ■ Sites with Same Elevation    | ■ OGW Sites with Same Elevation    |
| ▼ Sites with Lower Elevation   | ▼ OGW Sites with Lower Elevation   |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |

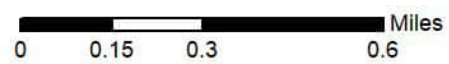




# Wells and Additional Sources



## Wells & Additional Sources - Page 6



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|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation  | ▲ OGW Sites with Higher Elevation  |
| ■ Sites with Same Elevation    | ■ OGW Sites with Same Elevation    |
| ▼ Sites with Lower Elevation   | ▼ OGW Sites with Lower Elevation   |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |

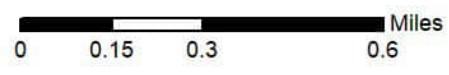




# Wells and Additional Sources



## Wells & Additional Sources - Page 7



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|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation  | ▲ OGW Sites with Higher Elevation  |
| ■ Sites with Same Elevation    | ■ OGW Sites with Same Elevation    |
| ▼ Sites with Lower Elevation   | ▼ OGW Sites with Lower Elevation   |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |





# Wells and Additional Sources



## Wells & Additional Sources - Page 8

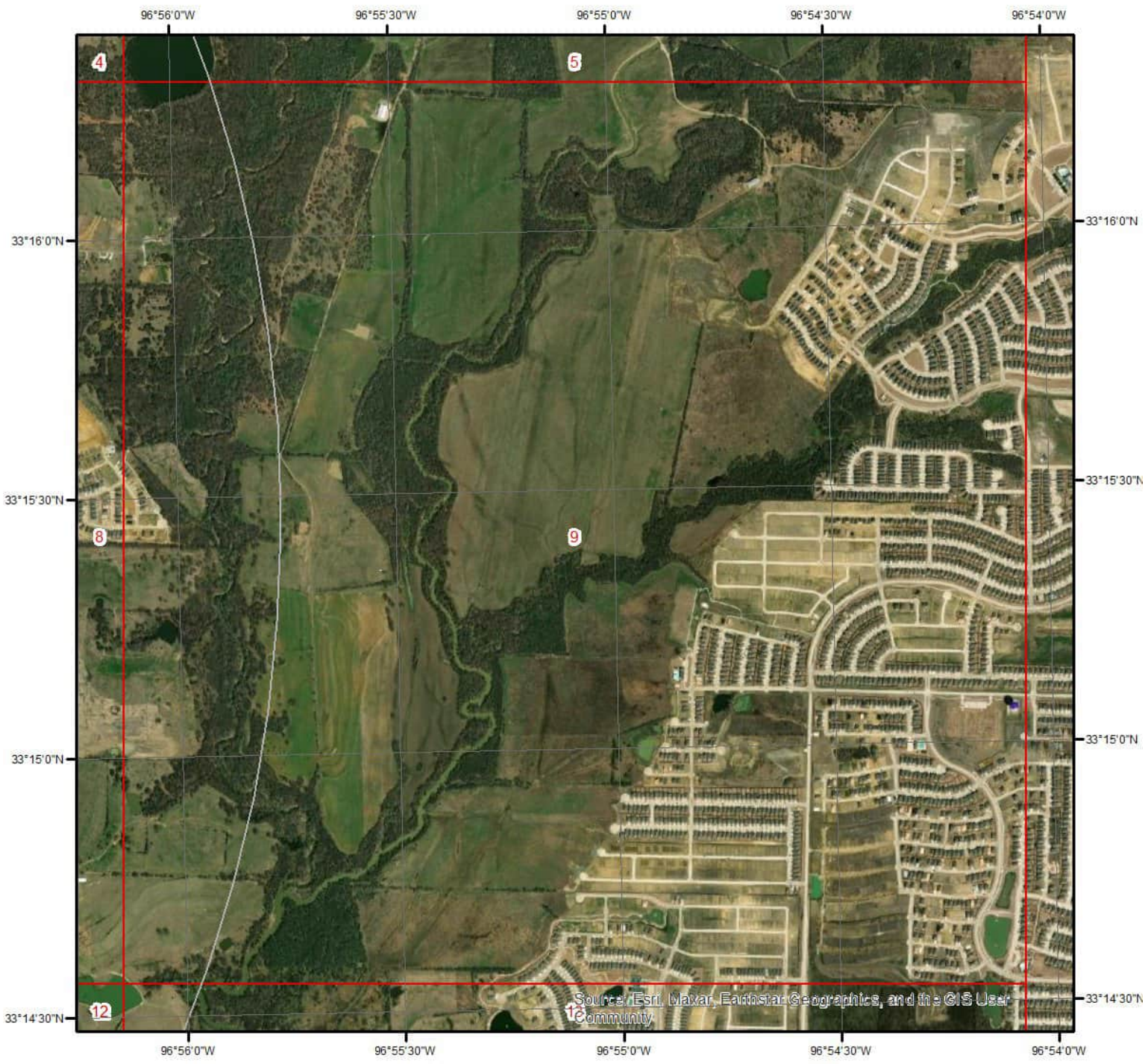


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| ▲ Sites with Higher Elevation  | ▲ OGW Sites with Higher Elevation  |
| ■ Sites with Same Elevation    | ■ OGW Sites with Same Elevation    |
| ▼ Sites with Lower Elevation   | ▼ OGW Sites with Lower Elevation   |
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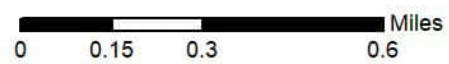




# Wells and Additional Sources



## Wells & Additional Sources - Page 9



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|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation  | ▲ OGW Sites with Higher Elevation  |
| ■ Sites with Same Elevation    | ■ OGW Sites with Same Elevation    |
| ▼ Sites with Lower Elevation   | ▼ OGW Sites with Lower Elevation   |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |





# Wells and Additional Sources



Source: Esri, Imagar, Earthstar Geographics, and the GIS User Community

## Wells & Additional Sources - Page 10

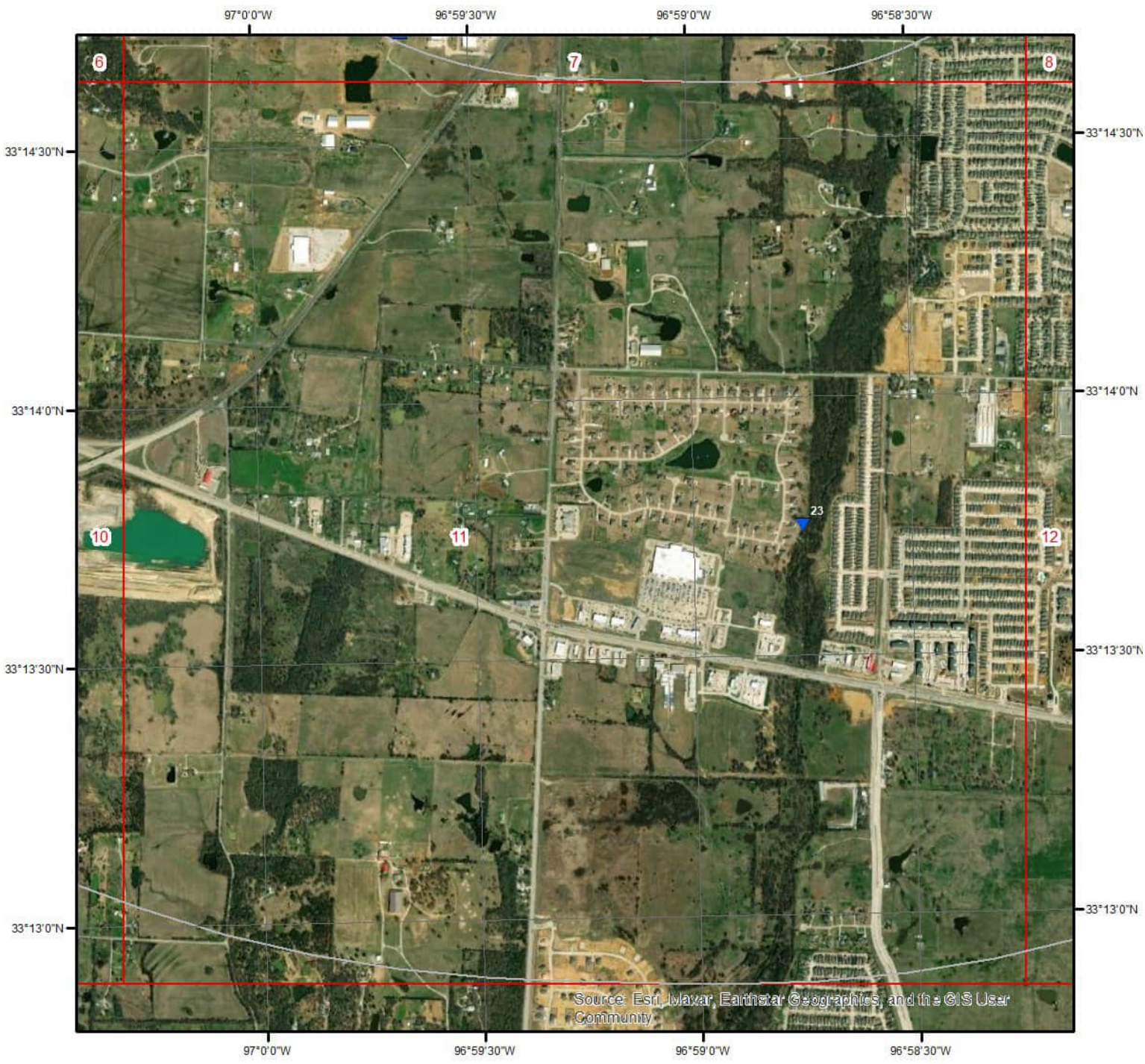


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|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation  | ▲ OGW Sites with Higher Elevation  |
| ■ Sites with Same Elevation    | ■ OGW Sites with Same Elevation    |
| ▼ Sites with Lower Elevation   | ▼ OGW Sites with Lower Elevation   |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |





# Wells and Additional Sources



## Wells & Additional Sources - Page 11

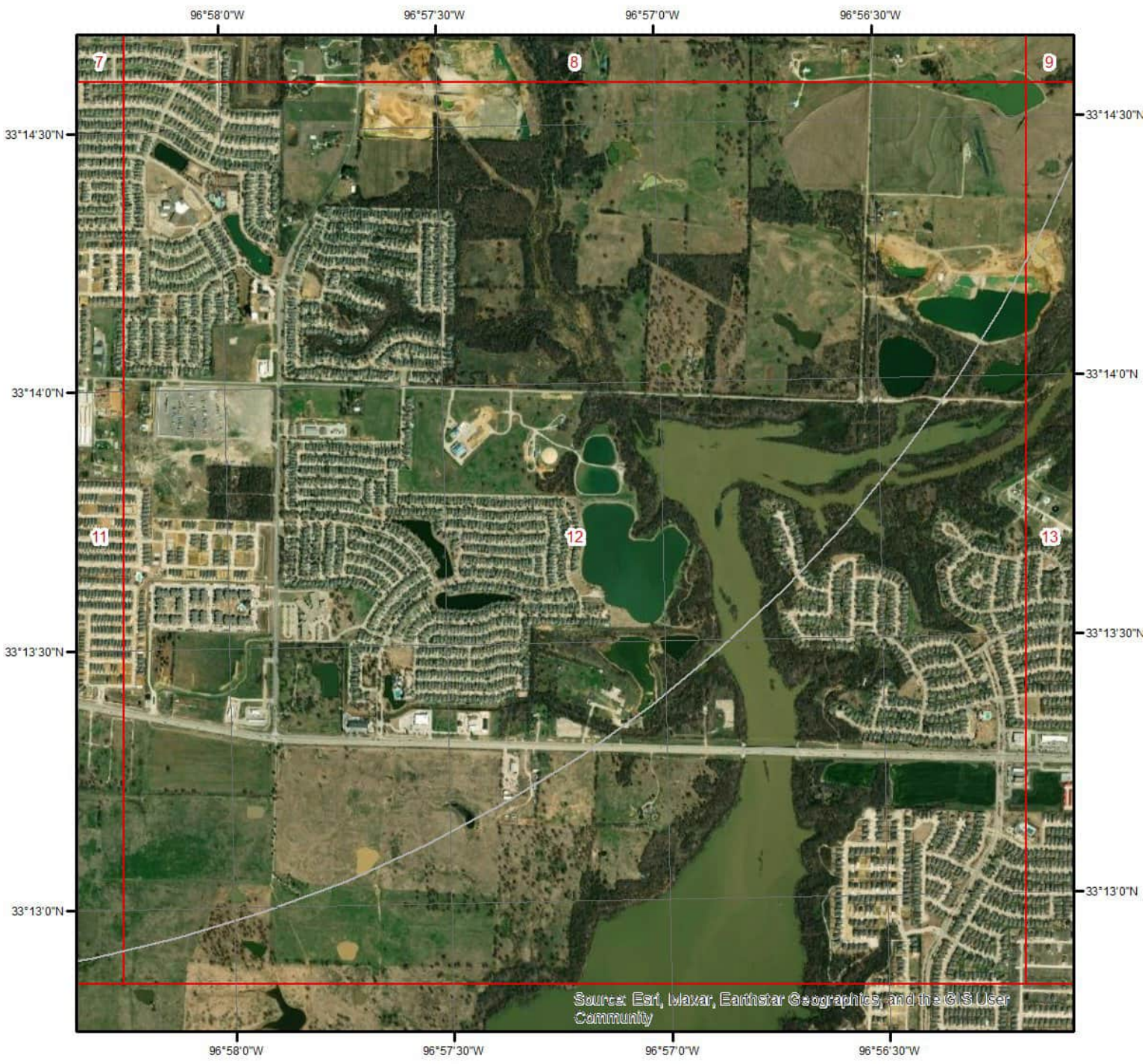


- |                                |                                    |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation  | ▲ OGW Sites with Higher Elevation  |
| ■ Sites with Same Elevation    | ■ OGW Sites with Same Elevation    |
| ▼ Sites with Lower Elevation   | ▼ OGW Sites with Lower Elevation   |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |





# Wells and Additional Sources



## Wells & Additional Sources - Page 12

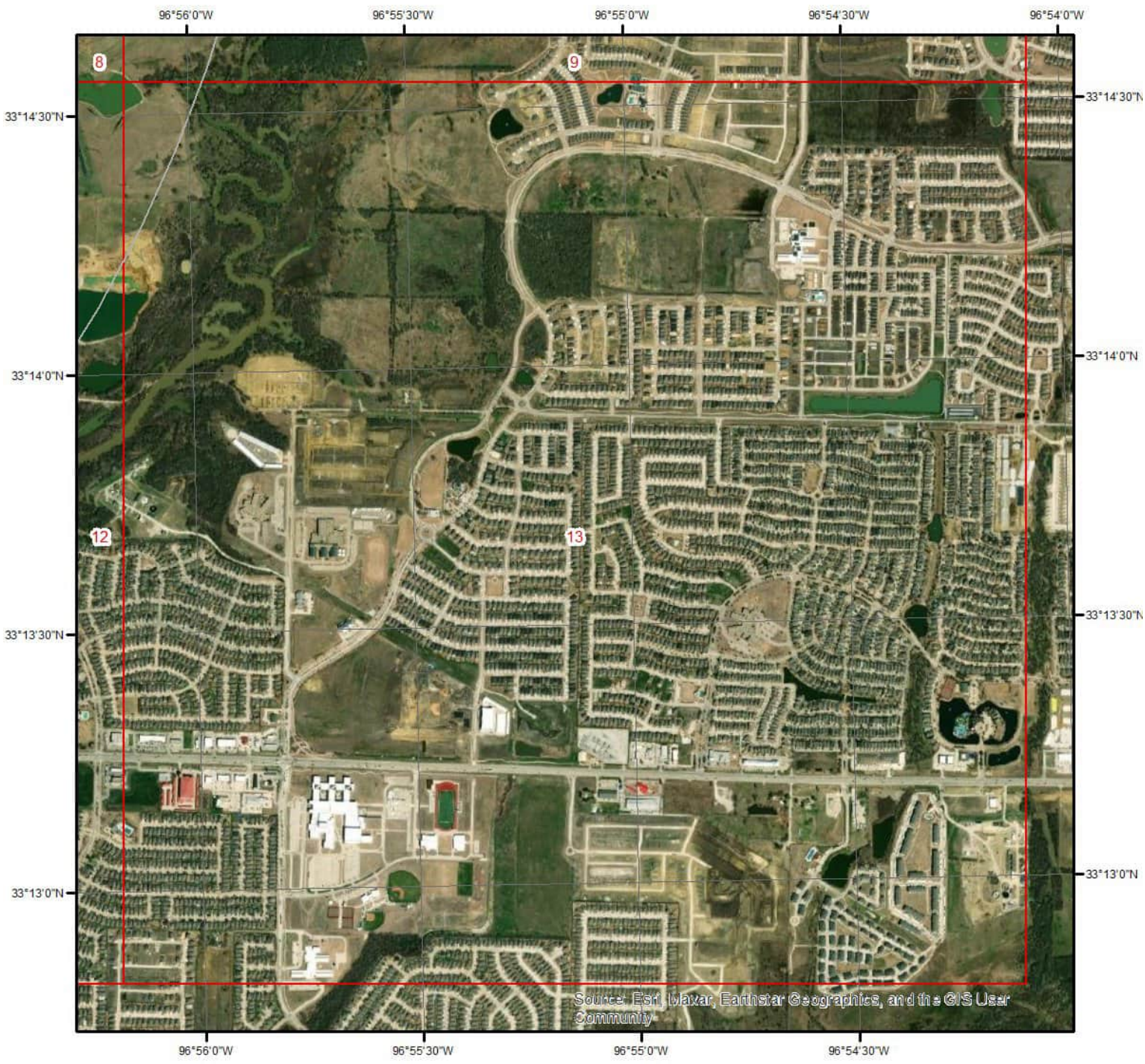


- |                                |                                    |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation  | ▲ OGW Sites with Higher Elevation  |
| ■ Sites with Same Elevation    | ■ OGW Sites with Same Elevation    |
| ▼ Sites with Lower Elevation   | ▼ OGW Sites with Lower Elevation   |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |





# Wells and Additional Sources



## Wells & Additional Sources - Page 13



- |                                |                                    |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation  | ▲ OGW Sites with Higher Elevation  |
| ■ Sites with Same Elevation    | ■ OGW Sites with Same Elevation    |
| ▼ Sites with Lower Elevation   | ▼ OGW Sites with Lower Elevation   |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |



# Wells and Additional Sources Summary

## Federal Sources

### Public Water Systems Violations and Enforcement Data

| Map Key | ID               | Distance (ft) | Direction |
|---------|------------------|---------------|-----------|
|         | No records found |               |           |

### Safe Drinking Water Information System (SDWIS)

| Map Key | ID               | Distance (ft) | Direction |
|---------|------------------|---------------|-----------|
|         | No records found |               |           |

### USGS National Water Information System

| Map Key | Monitoring Loc Identifier | Distance (ft) | Direction |
|---------|---------------------------|---------------|-----------|
| 5       | USGS-331503096591701      | 2694.11       | SSW       |

## State Sources

### Groundwater Database

| Map Key | State Well No | Distance (ft) | Direction |
|---------|---------------|---------------|-----------|
| 6       | 1841707       | 2703.25       | SSW       |
| 8       | 1841705       | 3369.47       | SE        |

### Harris Galveston Subsidence District Water Wells

| Map Key | ID               | Distance (ft) | Direction |
|---------|------------------|---------------|-----------|
|         | No records found |               |           |

### High Plains Water Wells

| Map Key | ID               | Distance (ft) | Direction |
|---------|------------------|---------------|-----------|
|         | No records found |               |           |

### Oil and Gas Wells

| Map Key | API      | Distance (ft) | Direction |
|---------|----------|---------------|-----------|
| 2       | 12130646 | 893.47        | NW        |

### Plotted Water Wells

| Map Key | WWD ID | Distance (ft) | Direction |
|---------|--------|---------------|-----------|
| 17      | 772817 | 4461.11       | NNE       |
| 17      | 772818 | 4461.11       | NNE       |

## Wells and Additional Sources Summary

|    |        |          |     |
|----|--------|----------|-----|
| 23 | 772838 | 10509.03 | S   |
| 24 | 773487 | 11138.93 | WNW |
| 25 | 772820 | 14083.77 | ENE |
| 26 | 773551 | 14735.56 | SW  |

### Plugged Water Wells

| Map Key | Well Rpt Track No | Distance (ft) | Direction |
|---------|-------------------|---------------|-----------|
| 11      |                   | 3526.42       | SE        |
| 13      |                   | 3691.13       | SE        |
| 19      |                   | 4905.78       | N         |
| 19      |                   | 4905.78       | N         |
| 19      |                   | 4905.78       | N         |
| 19      |                   | 4905.78       | N         |
| 19      |                   | 4905.78       | N         |
| 19      |                   | 4905.78       | N         |
| 19      |                   | 4905.78       | N         |

### Public Water Systems Wells and Surface Intakes

| Map Key | Water SRC | Distance (ft) | Direction |
|---------|-----------|---------------|-----------|
| 5       | G0610036D | 2694.11       | SSW       |
| 22      | G0610036K | 5160.94       | SSW       |

### Submitted Drillers Report Database

| Map Key | Well Rpt Track No | Distance (ft) | Direction |
|---------|-------------------|---------------|-----------|
| 1       | 191481            | 186.60        | ESE       |
| 3       | 289683            | 1340.03       | WNW       |
| 4       | 131236            | 1685.16       | NNE       |
| 7       | 178439            | 3134.73       | SSE       |
| 9       | 509640            | 3402.66       | NNW       |
| 10      | 372612            | 3483.11       | NNW       |
| 12      | 224398            | 3549.61       | ENE       |
| 14      | 102207            | 3927.36       | SE        |
| 15      | 134799            | 3950.67       | N         |
| 16      | 135356            | 4095.89       | NE        |
| 18      | 274661            | 4750.57       | SE        |
| 20      | 573321            | 5104.97       | ENE       |
| 21      | 109177            | 5113.34       | N         |
| 22      | 453013            | 5160.94       | SSW       |

### Underground Injection Control

| Map Key          | ID | Distance (ft) | Direction |
|------------------|----|---------------|-----------|
| No records found |    |               |           |

### Water Utility Database

| Map Key | WTRSRC    | Distance (ft) | Direction |
|---------|-----------|---------------|-----------|
| 5       | G0610036D | 2694.11       | SSW       |
| 22      | G0610036K | 5160.94       | SSW       |

### Well Log Reports from Plotted Water Wells



## Wells and Additional Sources Summary

| Map Key | ID               | Distance (ft) | Direction |
|---------|------------------|---------------|-----------|
|         | No records found |               |           |

### County Sources

#### Fort Bend Subsidence District Water Wells

| Map Key | ID               | Distance (ft) | Direction |
|---------|------------------|---------------|-----------|
|         | No records found |               |           |

# Wells and Additional Sources Detail Report

## USGS National Water Information System

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB       |
|---------|-----------|---------------|---------------|----------------|----------|
| 5       | SSW       | 0.51          | 2,694.11      | 619.41         | FED USGS |

|                             |   |                 |                   |
|-----------------------------|---|-----------------|-------------------|
| Organiz Identifier:         | USGS-TX                                   | Formation Type: | Hosston Formation |
| Organiz Name:               | USGS Texas Water Science Center           | Aquifer Name:   |                   |
| Well Depth:                 | 1512                                      | Aquifer Type:   |                   |
| Well Depth Unit:            | ft  | Country Code:   | US                |
| Well Hole Depth:            |   | Provider Name:  | NWIS              |
| W Hole Depth Unit:          |   | County:         | DENTON            |
| Construction Date:          |   | Latitude:       | 33.25085000000000 |
| Source Map Scale:           | 24000                                     | Longitude:      | -96.9882389000000 |
| Monitoring Loc Name:        | HW-18-41-707                              |                 |                   |
| Monitoring Loc Identifier:  | USGS-331503096591701                      |                 |                   |
| Monitoring Loc Type:        | Well                                      |                 |                   |
| Monitoring Loc Desc:        |   |                 |                   |
| HUC Eight Digit Code:       | 12030103                                  |                 |                   |
| Drainage Area:              |   |                 |                   |
| Drainage Area Unit:         |   |                 |                   |
| Contrib Drainage Area:      |   |                 |                   |
| Contrib Drainage Area Unit: |   |                 |                   |
| Horizontal Accuracy:        | .5  |                 |                   |
| Horizontal Accuracy Unit:   | seconds                                   |                 |                   |
| Horizontal Collection Mthd: | Reported.                                 |                 |                   |
| Horiz Coord Refer System:   | NAD83                                     |                 |                   |
| Vertical Measure:           | 620                                       |                 |                   |
| Vertical Measure Unit:      | feet                                      |                 |                   |
| Vertical Accuracy:          | 4.3                                       |                 |                   |
| Vertical Accuracy Unit:     | feet                                      |                 |                   |
| Vertical Collection Mthd:   | Interpolated from Digital Elevation Model |                 |                   |
| Vert Coord Refer System:    | NAVD88                                    |                 |                   |

## Groundwater Database

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB   |
|---------|-----------|---------------|---------------|----------------|------|
| 6       | SSW       | 0.51          | 2,703.25      | 619.86         | GWDB |

|                |                     |                     |   |
|----------------|---------------------|---------------------|---|
| State Well No: | 1841707             | Water Level Status: |   |
| GMA:           | 8                   | Cur Wtr Lvl Well:   | No  |
| RWPA:          | C - Region C        | Wtr Quality Avail:  | No  |
| GCD:           | North Texas GCD     | Curr Wtr Qual Well: | No  |
| Well Type:     | Withdrawal of Water | Reporting Agency:   | Texas Water Development Board                 |
| Pump:          | Submersible         | Other Data Avail:   | Drillers Log; Electric Log; Specific Capacity |

# Wells and Additional Sources Detail Report

|                     |  |                      |                              |
|---------------------|--|----------------------|------------------------------|
| Power Type:         | Electric Motor   | Well Use:            | Public Supply                |
| Well Rep Track No:  |  | Aquifer Code:        | 218TWMT                      |
| Plug Rep Track No:  |  | Aquifer Code Desc:   | Twin Mountains Formation     |
| USGS Site No:       |  | Aquifer ID:          | 28                           |
| TCEQ Source ID:     | G0610036D  | Aquifer:             | Trinity                      |
| GCD Well No:        |  | Classification:      | Major                        |
| Owner Well No:      | 4  | Aquifer Pick Mtd:    |                              |
| Other Well No:      |  | Driller:             | Strittmatter Irr. & Supply   |
| Prev State Well No: |  | Well Depth:          | 1512                         |
| Created Date:       | 1987-01-30   | Depth Source:        | Driller's Log                |
| Last Update Date:   | 2016-07-15   | Land Surf Elevation: | 620                          |
| Water Level:        | None   | Land Surf Elev Mtd:  | Digital Elevation Model -DEM |
| Latitude DD:        | 33.2508340   | Drilling Start Date: |                              |
| Dlat:               | 33   | Drilling Month:      | 1                            |
| Mlat:               | 15   | Drilling Day:        | 22                           |
| Slat:               | 3  | Drilling Year:       | 1986                         |
| Longitude DD:       | -96.9883340  | Drilling End Date:   | 1986-01-22                   |
| Dlong:              | 96   | Drilling Method:     | Mud (Hydraulic) Rotary       |
| Mlong:              | 59   | Bore Hole Compl:     | Gravel Pack w/Screen         |
| Slong:              | 18   | County:              | Denton                       |
| Coordinate Source:  | Global Positioning System - GPS  | River Basin:         | Trinity                      |
| Owner:              | Mustang SUD Well #4  |                      |                              |
| Remarks:            | Cemented from 1275 ft. to surface. Gravel packed. Reported yield 194 GPM after pump 1.25 hours in 1986. Specific capacity 2.43 GPM/ft. Pumping level 470 feet. |                      |                              |
| Original Source:    | Groundwater Database (GWDB) Reports; GIS shapefile of GWDB well locations  |                      |                              |

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB   |
|---------|-----------|---------------|---------------|----------------|------|
| 8       | SE        | 0.64          | 3,369.47      | 625.08         | GWDB |

|                     |                     |                      |                               |
|---------------------|---------------------|----------------------|-------------------------------|
| State Well No:      | 1841705             | Water Level Status:  |                               |
| GMA:                | 8                   | Cur Wtr Lvl Well:    | No                            |
| RWPA:               | C - Region C        | Wtr Quality Avail:   | No                            |
| GCD:                | North Texas GCD     | Curr Wtr Qual Well:  | No                            |
| Well Type:          | Withdrawal of Water | Reporting Agency:    | Texas Water Development Board |
| Pump:               | Submersible         | Other Data Avail:    | Drillers Log                  |
| Power Type:         | Electric Motor      | Well Use:            | Domestic                      |
| Well Rep Track No:  |                     | Aquifer Code:        | 218PLXY                       |
| Plug Rep Track No:  |                     | Aquifer Code Desc:   | Paluxy Sand                   |
| USGS Site No:       |                     | Aquifer ID:          | 28                            |
| TCEQ Source ID:     |                     | Aquifer:             | Trinity                       |
| GCD Well No:        |                     | Classification:      | Major                         |
| Owner Well No:      |                     | Aquifer Pick Mtd:    |                               |
| Other Well No:      |                     | Driller:             | Madewell Drlg. Co.            |
| Prev State Well No: |                     | Well Depth:          | 938                           |
| Created Date:       | 1978-05-12          | Depth Source:        | Driller's Log                 |
| Last Update Date:   |                     | Land Surf Elevation: | 618                           |
| Water Level:        | None                | Land Surf Elev Mtd:  | Interpolated From Topo Map    |

# Wells and Additional Sources Detail Report

|                    |   |                      |                        |
|--------------------|---|----------------------|------------------------|
| Latitude DD:       | 33.2505560  | Drilling Start Date: |                        |
| Dlat:              | 33  | Drilling Month:      | 8                      |
| Mlat:              | 15  | Drilling Day:        | 26                     |
| Slat:              | 2   | Drilling Year:       | 1974                   |
| Longitude DD:      | -96.9747220   | Drilling End Date:   | 1974-08-26             |
| Dlong:             | 96  | Drilling Method:     | Mud (Hydraulic) Rotary |
| Mlong:             | 58  | Bore Hole Compl:     | Open Hole              |
| Slong:             | 29  | County:              | Denton                 |
| Coordinate Source: | +/- 1 Second  | River Basin:         | Trinity                |
| Owner:             | Bailey Redfern  |                      |                        |
| Remarks:           | Cemented from 938 ft. to surface. Pump set at 400 ft. Open-hole completion. |                      |                        |
| Original Source:   | Groundwater Database (GWDB) Reports; GIS shapefile of GWDB well locations   |                      |                        |

## Oil and Gas Wells

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB  |
|---------|-----------|---------------|---------------|----------------|-----|
| 2       | NW        | 0.17          | 893.47        | 651.74         | OGW |

|                      |   |             |                    |
|----------------------|---|-------------|--------------------|
| API:                 | 12130646  | Object ID:  |                    |
| Uniq ID:             | 260593  | GIS Lat27:  | 33.2611835         |
| GIS API5:            | 30646   | GIS Long27: | -96.9880825        |
| GIS Well No:         | 1   | GIS Lat83:  | 33.26130151        |
| Sym No:              | 3   | GIS Long83: | -96.98836749       |
| GIS Symbol Desc:     | Dry Hole  | X:          | -96.98836743999217 |
| Reliab:              | 40  | Y:          | 33.26130159418717  |
| GIS Location Source: | Operator reported location - Distances and Plat |             |                    |

## Plotted Water Wells

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB          |
|---------|-----------|---------------|---------------|----------------|-------------|
| 17      | NNE       | 0.84          | 4,461.11      | 662.04         | WATER WELLS |

|               |  |               |                  |
|---------------|--|---------------|------------------|
| WWD ID:       | 772817   | Deg:          | 18               |
| Grid No:      | 18-41-7  | Sev Min:      | 41               |
| TX Grid ID:   | 30145.0  | Two Min:      | 7                |
| TX Grid:      | 30313.0  | Shape Length: | 0.0              |
| Perimeter:    | 16980.955  | Shape Area:   | 0.00173602686486 |
| County:       | DENTON   |               |                  |
| Data Source : | Water Well Report Viewer, 2.5 Minute Quad Grid (Map); TCEQ Water Well Public AGO |               |                  |

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB          |
|---------|-----------|---------------|---------------|----------------|-------------|
| 17      | NNE       | 0.84          | 4,461.11      | 662.04         | WATER WELLS |

|             |         |               |     |
|-------------|---------|---------------|-----|
| WWD ID:     | 772818  | Deg:          | 18  |
| Grid No:    | 18-41-7 | Sev Min:      | 41  |
| TX Grid ID: | 30145.0 | Two Min:      | 7   |
| TX Grid:    | 30313.0 | Shape Length: | 0.0 |





# Wells and Additional Sources Detail Report

Perimeter: 16984.406                      Shape Area: 0.001736086636  
 County: DENTON  
 Data Source : Water Well Report Viewer, 2.5 Minute Quad Grid (Map); TCEQ Water Well Public AGO

## Plugged Water Wells

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB            |
|---------|-----------|---------------|---------------|----------------|---------------|
| 11      | SE        | 0.67          | 3,526.42      | 623.25         | PLUGGED WELLS |

|                            |  |                     |                   |
|----------------------------|--|---------------------|-------------------|
| License No:                | 59338  | Well Address 1:     | 9500 Liberty Road |
| Variance No:               |  | Well Address 2:     |                   |
| Plug Rpt Track No:         | 201772   | Well City:          | Aubrey            |
| Well Rpt Track No:         |  | Well Zip:           | 76227             |
| Date Submitted:            | 2020-08-28   | Owner Well No:      |                   |
| No Wells Plugged:          | 1  | Owner Name:         | D. R. Horton      |
| Plugging Name:             |  | Owner Address 1:    | 4306 Miller Road  |
| Plugging Mtd Descr:        |  | Owner Address 2:    | Suite A           |
| Plugging Date:             | 2020-08-14   | Owner City:         | Rowlett           |
| Orig License No:           |  | Owner State:        | TX                |
| Orig Driller Name:         |  | Owner Zip:          | 75088             |
| Original Well Use:         | Withdrawal of Water  | Owner Oth Cntry:    |                   |
| Orig Wel Use Descr:        |  | Owner Country:      |                   |
| Orig Drill Date:           |  | County:             | Denton            |
| Apprentice Reg No:         |  | Latitude:           | 33.250283         |
| Apprentice Signed:         |  | Lat Degree:         | 33                |
| Driller Signed:            | Andrew Strittmatter  | Lat Minute:         | 15                |
| Driller Address 1:         |  | Lat Second:         | 1.02              |
| Driller Address 2:         |  | Longitude:          | -96.9743          |
| Driller City:              | Pilot Point  | Long Degree:        | 96                |
| Driller State:             | TX   | Long Minute:        | 58                |
| Driller Zip:               | 76258  | Long Second:        | 27.48             |
| Driller Oth Cntry:         |  | Hor Datum Type:     |                   |
| Driller Country:           |  | Grid No:            | 18-41-7           |
| Elevation:                 |  | Loc Verfd by Drllr: | Yes               |
| Company Name:              | Top Water Energy Services  |                     |                   |
| Original Company Name:     |  |                     |                   |
| Plugging Method:           | Large diameter well filled with clay material from top to bottom |                     |                   |
| Comments:                  |  |                     |                   |
| Well Location Description: |  |                     |                   |

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB            |
|---------|-----------|---------------|---------------|----------------|---------------|
| 13      | SE        | 0.70          | 3,691.13      | 619.18         | PLUGGED WELLS |

|                    |        |                 |                   |
|--------------------|--------|-----------------|-------------------|
| License No:        | 59338  | Well Address 1: | 9500 Liberty Road |
| Variance No:       |        | Well Address 2: |                   |
| Plug Rpt Track No: | 209966 | Well City:      | Aubrey            |
| Well Rpt Track No: |        | Well Zip:       | 76227             |

## Wells and Additional Sources Detail Report

|                            |  |                     |                  |
|----------------------------|--|---------------------|------------------|
| Date Submitted:            | 2021-07-02   | Owner Well No:      | East Hand Dug    |
| No Wells Plugged:          | 1  | Owner Name:         | D. R. Horton     |
| Plugger Name:              | Andrew Strittmatter  | Owner Address 1:    | 4306 Miller Road |
| Plugging Mtd Descr:        |  | Owner Address 2:    | Suite A          |
| Plugging Date:             | 2021-06-14   | Owner City:         | Rowlett          |
| Orig License No:           |  | Owner State:        | TX               |
| Orig Driller Name:         |  | Owner Zip:          | 75088            |
| Original Well Use:         | Withdrawal of Water  | Owner Oth Cntry:    |                  |
| Orig Wel Use Descr:        |  | Owner Country:      |                  |
| Orig Drill Date:           |  | County:             | Denton           |
| Apprentice Reg No:         |  | Latitude:           | 33.2504          |
| Apprentice Signed:         |  | Lat Degree:         | 33               |
| Driller Signed:            | Andrew Strittmatter  | Lat Minute:         | 15               |
| Driller Address 1:         |  | Lat Second:         | 1.44             |
| Driller Address 2:         |  | Longitude:          | -96.973283       |
| Driller City:              | Pilot Point  | Long Degree:        | 96               |
| Driller State:             | TX   | Long Minute:        | 58               |
| Driller Zip:               | 76258  | Long Second:        | 23.82            |
| Driller Oth Cntry:         |  | Hor Datum Type:     |                  |
| Driller Country:           |  | Grid No:            | 18-41-7          |
| Elevation:                 |  | Loc Verfd by Drllr: | Yes              |
| Company Name:              | Top Water Energy Services  |                     |                  |
| Original Company Name:     |  |                     |                  |
| Plugging Method:           | Large diameter well filled with clay material from top to bottom |                     |                  |
| Comments:                  |  |                     |                  |
| Well Location Description: |  |                     |                  |

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB            |
|---------|-----------|---------------|---------------|----------------|---------------|
| 19      | N         | 0.93          | 4,905.78      | 665.08         | PLUGGED WELLS |

|                     |                  |                  |                      |
|---------------------|------------------|------------------|----------------------|
| License No:         | 2948             | Well Address 1:  | 100 Highway 377 S    |
| Variance No:        |                  | Well Address 2:  |                      |
| Plug Rpt Track No:  | 65240            | Well City:       | Krugerville          |
| Well Rpt Track No:  |                  | Well Zip:        | 76227                |
| Date Submitted:     | 2010-08-09       | Owner Well No:   | MW-6                 |
| No Wells Plugged:   |                  | Owner Name:      | Triple A Fuels, Inc. |
| Plugger Name:       | Joseph L. Garcia | Owner Address 1: | 12342 Inwood Road    |
| Plugging Mtd Descr: | See Comments     | Owner Address 2: |                      |
| Plugging Date:      | 2010-07-26       | Owner City:      | Dallas               |
| Orig License No:    |                  | Owner State:     | TX                   |
| Orig Driller Name:  | UNKNOWN          | Owner Zip:       | 75244                |
| Original Well Use:  | Monitor          | Owner Oth Cntry: |                      |
| Orig Wel Use Descr: |                  | Owner Country:   |                      |
| Orig Drill Date:    |                  | County:          | Denton               |
| Apprentice Reg No:  | 58151            | Latitude:        | 33.2725              |
| Apprentice Signed:  | Joseph L. Garcia | Lat Degree:      | 33                   |

## Wells and Additional Sources Detail Report

|                            |  |                     |            |
|----------------------------|--|---------------------|------------|
| Driller Signed:            | Robert L. Flair  | Lat Minute:         | 16         |
| Driller Address 1:         | 2415 Cullen Street   | Lat Second:         | 21         |
| Driller Address 2:         |  | Longitude:          | -96.986111 |
| Driller City:              | Fort Worth   | Long Degree:        | 96         |
| Driller State:             | TX   | Long Minute:        | 59         |
| Driller Zip:               | 76107  | Long Second:        | 10         |
| Driller Oth Cntry:         |  | Hor Datum Type:     |            |
| Driller Country:           |  | Grid No:            | 18-41-7    |
| Elevation:                 |  | Loc Verfd by Drllr: | No         |
| Company Name:              | Sunbelt Industrial Services, Inc.  |                     |            |
| Original Company Name:     |  |                     |            |
| Plugging Method:           | Other  |                     |            |
| Comments:                  | Removed all PVC well casing from 0-25' of well. Plugged with 1 bag of Bentonite from 2-25' and 1/4 bag of Concrete from 0-2' below ground surface. |                     |            |
| Well Location Description: |  |                     |            |

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB            |
|---------|-----------|---------------|---------------|----------------|---------------|
| 19      | N         | 0.93          | 4,905.78      | 665.08         | PLUGGED WELLS |

|                        |                                   |                     |                      |
|------------------------|-----------------------------------|---------------------|----------------------|
| License No:            | 2948                              | Well Address 1:     | 100 Highway 377 S    |
| Variance No:           |                                   | Well Address 2:     |                      |
| Plug Rpt Track No:     | 65235                             | Well City:          | Krugerville          |
| Well Rpt Track No:     |                                   | Well Zip:           | 76227                |
| Date Submitted:        | 2010-08-09                        | Owner Well No:      | MW-2                 |
| No Wells Plugged:      |                                   | Owner Name:         | Triple A Fuels, Inc. |
| Plugging Name:         | Joseph L. Garcia                  | Owner Address 1:    | 12342 Inwood Road    |
| Plugging Mtd Descr:    | See Comments                      | Owner Address 2:    |                      |
| Plugging Date:         | 2010-07-26                        | Owner City:         | Dallas               |
| Orig License No:       |                                   | Owner State:        | TX                   |
| Orig Driller Name:     | UNKNOWN                           | Owner Zip:          | 75244                |
| Original Well Use:     | Monitor                           | Owner Oth Cntry:    |                      |
| Orig Wel Use Descr:    |                                   | Owner Country:      |                      |
| Orig Drill Date:       |                                   | County:             | Denton               |
| Apprentice Reg No:     | 58151                             | Latitude:           | 33.2725              |
| Apprentice Signed:     | Joseph L. Garcia                  | Lat Degree:         | 33                   |
| Driller Signed:        | Robert L. Flair                   | Lat Minute:         | 16                   |
| Driller Address 1:     | 2415 Cullen Street                | Lat Second:         | 21                   |
| Driller Address 2:     |                                   | Longitude:          | -96.986111           |
| Driller City:          | Fort Worth                        | Long Degree:        | 96                   |
| Driller State:         | TX                                | Long Minute:        | 59                   |
| Driller Zip:           | 76107                             | Long Second:        | 10                   |
| Driller Oth Cntry:     |                                   | Hor Datum Type:     |                      |
| Driller Country:       |                                   | Grid No:            | 18-41-7              |
| Elevation:             |                                   | Loc Verfd by Drllr: | No                   |
| Company Name:          | Sunbelt Industrial Services, Inc. |                     |                      |
| Original Company Name: |                                   |                     |                      |
| Plugging Method:       | Other                             |                     |                      |



## Wells and Additional Sources Detail Report

Comments: Removed all PVC well casing from 0-25' of well. Plugged with 1 bag of Bentonite from 2-25' and 1/4 bag of Concrete from 0-2' below ground surface.

Well Location Description:

| <b>Map Key</b> | <b>Direction</b> | <b>Distance (mi)</b> | <b>Distance (ft)</b> | <b>Elevation (ft)</b> | <b>DB</b>     |
|----------------|------------------|----------------------|----------------------|-----------------------|---------------|
| 19             | N                | 0.93                 | 4,905.78             | 665.08                | PLUGGED WELLS |

|                        |  |                     |                      |
|------------------------|--|---------------------|----------------------|
| License No:            | 2948   | Well Address 1:     | 100 Highway 377 S    |
| Variance No:           |  | Well Address 2:     |                      |
| Plug Rpt Track No:     | 65239  | Well City:          | Krugerville          |
| Well Rpt Track No:     |  | Well Zip:           | 76227                |
| Date Submitted:        | 2010-08-09   | Owner Well No:      | MW-5                 |
| No Wells Plugged:      |  | Owner Name:         | Triple A Fuels, Inc. |
| Plugging Name:         | Joseph L. Garcia   | Owner Address 1:    | 12342 Inwood Road    |
| Plugging Mtd Descr:    | See Comments   | Owner Address 2:    |                      |
| Plugging Date:         | 2010-07-26   | Owner City:         | Dallas               |
| Orig License No:       |  | Owner State:        | TX                   |
| Orig Driller Name:     | UNKNOWN  | Owner Zip:          | 75244                |
| Original Well Use:     | Monitor  | Owner Oth Cntry:    |                      |
| Orig Wel Use Descr:    |  | Owner Country:      |                      |
| Orig Drill Date:       |  | County:             | Denton               |
| Apprentice Reg No:     | 58151  | Latitude:           | 33.2725              |
| Apprentice Signed:     | Joseph L. Garcia   | Lat Degree:         | 33                   |
| Driller Signed:        | Robert L. Flair  | Lat Minute:         | 16                   |
| Driller Address 1:     | 2415 Cullen Street   | Lat Second:         | 21                   |
| Driller Address 2:     |  | Longitude:          | -96.986111           |
| Driller City:          | Fort Worth   | Long Degree:        | 96                   |
| Driller State:         | TX   | Long Minute:        | 59                   |
| Driller Zip:           | 76107  | Long Second:        | 10                   |
| Driller Oth Cntry:     |  | Hor Datum Type:     |                      |
| Driller Country:       |  | Grid No:            | 18-41-7              |
| Elevation:             |  | Loc Verfd by Drllr: | No                   |
| Company Name:          | Sunbelt Industrial Services, Inc.  |                     |                      |
| Original Company Name: |  |                     |                      |
| Plugging Method:       | Other  |                     |                      |
| Comments:              | Removed all PVC well casing from 0-25' of well. Plugged with 1 bag of Bentonite from 2-25' and 1/4 bag of Concrete from 0-2' below ground surface. |                     |                      |

Well Location Description:

| <b>Map Key</b> | <b>Direction</b> | <b>Distance (mi)</b> | <b>Distance (ft)</b> | <b>Elevation (ft)</b> | <b>DB</b>     |
|----------------|------------------|----------------------|----------------------|-----------------------|---------------|
| 19             | N                | 0.93                 | 4,905.78             | 665.08                | PLUGGED WELLS |

|                    |            |                 |                   |
|--------------------|------------|-----------------|-------------------|
| License No:        | 2948       | Well Address 1: | 100 Highway 377 S |
| Variance No:       |            | Well Address 2: |                   |
| Plug Rpt Track No: | 65234      | Well City:      | Krugerville       |
| Well Rpt Track No: |            | Well Zip:       | 76227             |
| Date Submitted:    | 2010-08-09 | Owner Well No:  | MW-7              |

## Wells and Additional Sources Detail Report

|                            |  |                     |                      |
|----------------------------|--|---------------------|----------------------|
| No Wells Plugged:          |  | Owner Name:         | Triple A Fuels, Inc. |
| Plugger Name:              | Joseph L. Garcia   | Owner Address 1:    | 12342 Inwood Road    |
| Plugging Mtd Descr:        | See Comments   | Owner Address 2:    |                      |
| Plugging Date:             | 2010-07-26   | Owner City:         | Dallas               |
| Orig License No:           |  | Owner State:        | TX                   |
| Orig Driller Name:         | UNKNOWN  | Owner Zip:          | 75244                |
| Original Well Use:         | Monitor  | Owner Oth Cntry:    |                      |
| Orig Wel Use Descr:        |  | Owner Country:      |                      |
| Orig Drill Date:           |  | County:             | Denton               |
| Apprentice Reg No:         | 58151  | Latitude:           | 33.2725              |
| Apprentice Signed:         | Joseph L. Garcia   | Lat Degree:         | 33                   |
| Driller Signed:            | Robert L. Flair  | Lat Minute:         | 16                   |
| Driller Address 1:         | 2415 Cullen Street   | Lat Second:         | 21                   |
| Driller Address 2:         |  | Longitude:          | -96.986111           |
| Driller City:              | Fort Worth   | Long Degree:        | 96                   |
| Driller State:             | TX   | Long Minute:        | 59                   |
| Driller Zip:               | 76107  | Long Second:        | 10                   |
| Driller Oth Cntry:         |  | Hor Datum Type:     |                      |
| Driller Country:           |  | Grid No:            | 18-41-7              |
| Elevation:                 |  | Loc Verfd by Drllr: | No                   |
| Company Name:              | Sunbelt Industrial Services, Inc.  |                     |                      |
| Original Company Name:     |  |                     |                      |
| Plugging Method:           | Other  |                     |                      |
| Comments:                  | Removed all PVC well casing from 0-20' of well. Plugged with 1 bag of Bentonite from 2-20' and 1/4 bag of Concrete from 0-2' below ground surface. |                     |                      |
| Well Location Description: |  |                     |                      |

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB            |
|---------|-----------|---------------|---------------|----------------|---------------|
| 19      | N         | 0.93          | 4,905.78      | 665.08         | PLUGGED WELLS |

|                     |                  |                  |                      |
|---------------------|------------------|------------------|----------------------|
| License No:         | 2948             | Well Address 1:  | 100 Highway 377 S    |
| Variance No:        |                  | Well Address 2:  |                      |
| Plug Rpt Track No:  | 65238            | Well City:       | Krugerville          |
| Well Rpt Track No:  |                  | Well Zip:        | 76227                |
| Date Submitted:     | 2010-08-09       | Owner Well No:   | MW-4                 |
| No Wells Plugged:   |                  | Owner Name:      | Triple A Fuels, Inc. |
| Plugger Name:       | Joseph L. Garcia | Owner Address 1: | 12342 Inwood Road    |
| Plugging Mtd Descr: | See Comments     | Owner Address 2: |                      |
| Plugging Date:      | 2010-07-26       | Owner City:      | Dallas               |
| Orig License No:    |                  | Owner State:     | TX                   |
| Orig Driller Name:  | UNKNOWN          | Owner Zip:       | 75244                |
| Original Well Use:  | Monitor          | Owner Oth Cntry: |                      |
| Orig Wel Use Descr: |                  | Owner Country:   |                      |
| Orig Drill Date:    |                  | County:          | Denton               |
| Apprentice Reg No:  | 58151            | Latitude:        | 33.2725              |
| Apprentice Signed:  | Joseph L. Garcia | Lat Degree:      | 33                   |
| Driller Signed:     | Robert L. Flair  | Lat Minute:      | 16                   |

## Wells and Additional Sources Detail Report

|                            |  |                     |            |
|----------------------------|--|---------------------|------------|
| Driller Address 1:         | 2415 Cullen Street   | Lat Second:         | 21         |
| Driller Address 2:         |  | Longitude:          | -96.986111 |
| Driller City:              | Fort Worth   | Long Degree:        | 96         |
| Driller State:             | TX   | Long Minute:        | 59         |
| Driller Zip:               | 76107  | Long Second:        | 10         |
| Driller Oth Cntry:         |  | Hor Datum Type:     |            |
| Driller Country:           |  | Grid No:            | 18-41-7    |
| Elevation:                 |  | Loc Verfd by Drllr: | No         |
| Company Name:              | Sunbelt Industrial Services, Inc.  |                     |            |
| Original Company Name:     |  |                     |            |
| Plugging Method:           | Other  |                     |            |
| Comments:                  | Removed all PVC well casing from 0-25' of well. Plugged with 1 bag of Bentonite from 2-25' and 1/4 bag of Concrete from 0-2' below ground surface. |                     |            |
| Well Location Description: |  |                     |            |

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB            |
|---------|-----------|---------------|---------------|----------------|---------------|
| 19      | N         | 0.93          | 4,905.78      | 665.08         | PLUGGED WELLS |

|                        |  |                     |                      |
|------------------------|--|---------------------|----------------------|
| License No:            | 2948   | Well Address 1:     | 100 Highway 377 S    |
| Variance No:           |  | Well Address 2:     |                      |
| Plug Rpt Track No:     | 65237  | Well City:          | Krugerville          |
| Well Rpt Track No:     |  | Well Zip:           | 76227                |
| Date Submitted:        | 2010-08-09   | Owner Well No:      | MW-3                 |
| No Wells Plugged:      |  | Owner Name:         | Triple A Fuels, Inc. |
| Plugging Name:         | Joseph L. Garcia   | Owner Address 1:    | 12342 Inwood Road    |
| Plugging Mtd Descr:    | See Comments   | Owner Address 2:    |                      |
| Plugging Date:         | 2010-07-26   | Owner City:         | Dallas               |
| Orig License No:       |  | Owner State:        | TX                   |
| Orig Driller Name:     | UNKNOWN  | Owner Zip:          | 75244                |
| Original Well Use:     | Monitor  | Owner Oth Cntry:    |                      |
| Orig Wel Use Descr:    |  | Owner Country:      |                      |
| Orig Drill Date:       |  | County:             | Denton               |
| Apprentice Reg No:     | 58151  | Latitude:           | 33.2725              |
| Apprentice Signed:     | Joseph L. Garcia   | Lat Degree:         | 33                   |
| Driller Signed:        | Robert L. Flair  | Lat Minute:         | 16                   |
| Driller Address 1:     | 2415 Cullen Street   | Lat Second:         | 21                   |
| Driller Address 2:     |  | Longitude:          | -96.986111           |
| Driller City:          | Fort Worth   | Long Degree:        | 96                   |
| Driller State:         | TX   | Long Minute:        | 59                   |
| Driller Zip:           | 76107  | Long Second:        | 10                   |
| Driller Oth Cntry:     |  | Hor Datum Type:     |                      |
| Driller Country:       |  | Grid No:            | 18-41-7              |
| Elevation:             |  | Loc Verfd by Drllr: | No                   |
| Company Name:          | Sunbelt Industrial Services, Inc.  |                     |                      |
| Original Company Name: |  |                     |                      |
| Plugging Method:       | Other  |                     |                      |
| Comments:              | Removed all PVC well casing from 0-25' of well. Plugged with 1 bag of Bentonite from 2-25' and 1/4 bag of Concrete from 0-2' below ground surface. |                     |                      |

## Wells and Additional Sources Detail Report

Well Location Description:

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB            |
|---------|-----------|---------------|---------------|----------------|---------------|
| 19      | N         | 0.93          | 4,905.78      | 665.08         | PLUGGED WELLS |

|                        |  |                     |                      |
|------------------------|--|---------------------|----------------------|
| License No:            | 2948   | Well Address 1:     | 100 Highway 377 S    |
| Variance No:           |  | Well Address 2:     |                      |
| Plug Rpt Track No:     | 65233  | Well City:          | Krugerville          |
| Well Rpt Track No:     |  | Well Zip:           | 76227                |
| Date Submitted:        | 2010-08-09   | Owner Well No:      | MW-1                 |
| No Wells Plugged:      |  | Owner Name:         | Triple A Fuels, Inc. |
| Plugger Name:          | Joseph L. Garcia   | Owner Address 1:    | 12342 Inwood Road    |
| Plugging Mtd Descr:    | See Comments   | Owner Address 2:    |                      |
| Plugging Date:         | 2010-07-26   | Owner City:         | Dallas               |
| Orig License No:       |  | Owner State:        | TX                   |
| Orig Driller Name:     | UNKNOWN  | Owner Zip:          | 75244                |
| Original Well Use:     | Monitor  | Owner Oth Cntry:    |                      |
| Orig Wel Use Descr:    |  | Owner Country:      |                      |
| Orig Drill Date:       |  | County:             | Denton               |
| Apprentice Reg No:     | 58151  | Latitude:           | 33.2725              |
| Apprentice Signed:     | Joseph L. Garcia   | Lat Degree:         | 33                   |
| Driller Signed:        | Robert L. Flair  | Lat Minute:         | 16                   |
| Driller Address 1:     | 2415 Cullen Street   | Lat Second:         | 21                   |
| Driller Address 2:     |  | Longitude:          | -96.986111           |
| Driller City:          | Fort Worth   | Long Degree:        | 96                   |
| Driller State:         | TX   | Long Minute:        | 59                   |
| Driller Zip:           | 76107  | Long Second:        | 10                   |
| Driller Oth Cntry:     |  | Hor Datum Type:     |                      |
| Driller Country:       |  | Grid No:            | 18-41-7              |
| Elevation:             |  | Loc Verfd by Drllr: | No                   |
| Company Name:          | Sunbelt Industrial Services, Inc.  |                     |                      |
| Original Company Name: |  |                     |                      |
| Plugging Method:       | Other  |                     |                      |
| Comments:              | Removed all PVC well casing from 0-20' of well. Plugged with 1 bag of Bentonite from 2-20' and 1/4 bag of Concrete from 0-2' below ground surface. |                     |                      |

Well Location Description:

### Public Water Systems Wells and Surface Intakes

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB   |
|---------|-----------|---------------|---------------|----------------|------|
| 5       | SSW       | 0.51          | 2,694.11      | 619.41         | PWSW |

|                  |                                      |            |           |
|------------------|--------------------------------------|------------|-----------|
| PWS ID:          | 0610036                              | Latitude:  | 33.25085  |
| Water SRC:       | G0610036D                            | Longitude: | -96.98824 |
| Database Source: | Public Water Supply Water Well Sites |            |           |

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB |
|---------|-----------|---------------|---------------|----------------|----|
|---------|-----------|---------------|---------------|----------------|----|



# Wells and Additional Sources Detail Report

22                      SSW                      0.98                      5,160.94                      664.60                      PWSW

PWS ID:                      0610036                      Latitude:                      33.2453  
 Water SRC:                      G0610036K                      Longitude:                      -96.99424444  
 Database Source:                      Public Water Supply Water Well Sites

## Submitted Drillers Report Database

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB        |
|---------|-----------|---------------|---------------|----------------|-----------|
| 1       | ESE       | 0.04          | 186.60        | 620.83         | SDR WELLS |

|                       |                          |                     |                               |
|-----------------------|--------------------------|---------------------|-------------------------------|
| License No:           | 2436                     | Well Address1:      | 3733 Liberty Rd               |
| PWS No:               |                          | Well Addr2:         |                               |
| Plug Rpt Track No:    |                          | Well City:          | Aubrey                        |
| Well Rpt Track No:    | 191481                   | Well Zip:           | 76227                         |
| Orig Well Rpt Trk No: |                          | Owner Well No:      |                               |
| Apprentice Reg No:    |                          | Owner Name:         | Const. Zones International LP |
| No of Wells Drill:    |                          | Owner Addr1:        | 105 W. Sherman                |
| Date Submitted:       | 2009-08-28               | Owner Addr2:        |                               |
| Type of Work:         | New Well                 | Owner City:         | Aubrey                        |
| Typ of Wrk Oth Descr: |                          | Owner State:        | TX                            |
| Seal Method:          | Pumped                   | Owner Zip:          | 76227                         |
| Seal Mthd Oth Desc:   |                          | Owner Country:      |                               |
| Plugged w/i 48Hrs:    | No                       | Driller Name:       | Jimmy D Miller                |
| Drilling Start Dt:    | 2006-07-14               | Driller Address1:   | 184 CR 3131                   |
| Drilling End Dt:      | 2006-07-14               | Driller Addr2:      |                               |
| Proposed Use:         | Domestic                 | Driller City:       | Decatur                       |
| Prop Use Oth Descr:   |                          | Driller State:      | TX                            |
| TCEQ Approve Plans:   |                          | Driller Zip:        | 76234                         |
| Aprv by Variance:     |                          | Driller Oth Cntry:  |                               |
| Loc Vfy by Driller:   | No                       | Driller Country:    |                               |
| Sealed by Driller:    | No                       | Dist to Sep Contam: | not in                        |
| Sealed by Name:       | James Dake               | Dist to Septic Tk:  |                               |
| Driller Signed:       | Jimmy D. Miller          | Dist to Prop Line:  | 50                            |
| Apprentice Signed:    | James Dake               | Dist Verifi Method: | Owner                         |
| Surface Compl:        | Surface Sleeve Installed | Horizon Datum Type: |                               |
| Surf Comp Oth Descr:  |                          | Elevation:          |                               |
| Complt by Driller:    |                          | Latitude:           | 33.257501                     |
| Pump Type:            | Submersible              | Lat Degree:         | 33                            |
| Pump Type Oth Descr:  |                          | Lat Minute:         | 15                            |
| Pump Depth:           | 200.00                   | Lat Second:         | 27                            |
| Chemical Analysis:    | No                       | Longitude:          | -96.981111                    |
| Injurious Water:      | No                       | Long Degree:        | 96                            |
| County:               | Denton                   | Long Minute:        | 58                            |
| Known Loc Error:      | No                       | Long Second:        | 52                            |
| Grid No:              | 18-41-7                  |                     |                               |
| Company Name:         | Jimmy D. Miller          |                     |                               |

# Wells and Additional Sources Detail Report

**Well Location Description:**

Comments: \$mew  
 Data Source: Full SDR Database; SDRDB Well Location (Map)

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB        |
|---------|-----------|---------------|---------------|----------------|-----------|
| 3       | WNW       | 0.25          | 1,340.03      | 657.69         | SDR WELLS |

|                            |  |                     |                 |
|----------------------------|--|---------------------|-----------------|
| License No:                | 1757   | Well Address1:      | 4381 S Hwy. 377 |
| PWS No:                    |  | Well Addr2:         |                 |
| Plug Rpt Track No:         |  | Well City:          | Krugerville     |
| Well Rpt Track No:         | 289683                                       | Well Zip:           | 76227           |
| Orig Well Rpt Trk No:      |  | Owner Well No:      |                 |
| Apprentice Reg No:         |  | Owner Name:         | 440 Ranch       |
| No of Wells Drill:         |  | Owner Addr1:        | 4381 S. Hwy 377 |
| Date Submitted:            | 2012-06-14                                   | Owner Addr2:        |                 |
| Type of Work:              | New Well                                     | Owner City:         | Krugerville     |
| Typ of Wrk Oth Descr:      |  | Owner State:        | TX              |
| Seal Method:               | Other  | Owner Zip:          | 76227           |
| Seal Mthd Oth Desc:        | Displacement                                 | Owner Country:      |                 |
| Plugged w/i 48Hrs:         | No   | Driller Name:       | Nelson Thomas   |
| Drilling Start Dt:         | 2010-06-05                                   | Driller Address1:   | PO Box 1184     |
| Drilling End Dt:           | 2010-09-05                                   | Driller Addr2:      |                 |
| Proposed Use:              | Irrigation                                   | Driller City:       | Bowie           |
| Prop Use Oth Descr:        |  | Driller State:      | TX              |
| TCEQ Approve Plans:        |  | Driller Zip:        | 76230           |
| Apprve by Variance:        |  | Driller Oth Cntry:  |                 |
| Loc Vfy by Driller:        | No   | Driller Country:    |                 |
| Sealed by Driller:         | No   | Dist to Sep Contam: | None            |
| Sealed by Name:            | CTWW   | Dist to Septic Tk:  |                 |
| Driller Signed:            | Nelson Thomas                                | Dist to Prop Line:  | 100             |
| Apprentice Signed:         |  | Dist Verifi Method: | Owner           |
| Surface Compl:             | Unknown                                      | Horizon Datum Type: |                 |
| Surf Comp Oth Descr:       |  | Elevation:          |                 |
| Complt by Driller:         |  | Latitude:           | 33.261112       |
| Pump Type:                 | Submersible                                  | Lat Degree:         | 33              |
| Pump Type Oth Descr:       |  | Lat Minute:         | 15              |
| Pump Depth:                | 987.00                                       | Lat Second:         | 40              |
| Chemical Analysis:         | No   | Longitude:          | -96.990834      |
| Injurious Water:           |  | Long Degree:        | 96              |
| County:                    | Denton                                       | Long Minute:        | 59              |
| Known Loc Error:           | No   | Long Second:        | 27              |
| Grid No:                   | 18-41-7                                      |                     |                 |
| Company Name:              | Central Texas Water Well                     |                     |                 |
| Well Location Description: |  |                     |                 |
| Comments:                  | ^EAD   |                     |                 |
| Data Source:               | Full SDR Database; SDRDB Well Location (Map) |                     |                 |

## Wells and Additional Sources Detail Report

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB        |
|---------|-----------|---------------|---------------|----------------|-----------|
| 4       | NNE       | 0.32          | 1,685.16      | 635.67         | SDR WELLS |

|                            |  |                     |                       |
|----------------------------|--|---------------------|-----------------------|
| License No:                | 54790  | Well Address1:      | 8959 Ike Byrom Road   |
| PWS No:                    |  | Well Addr2:         |                       |
| Plug Rpt Track No:         |  | Well City:          | Aubrey                |
| Well Rpt Track No:         | 131236                                       | Well Zip:           | 76227                 |
| Orig Well Rpt Trk No:      |  | Owner Well No:      |                       |
| Apprentice Reg No:         |  | Owner Name:         | Noel Goin             |
| No of Wells Drill:         |  | Owner Addr1:        | 8959 Ike Byrom Road   |
| Date Submitted:            | 2008-01-09                                   | Owner Addr2:        |                       |
| Type of Work:              | New Well                                     | Owner City:         | Aubrey                |
| Typ of Wrk Oth Descr:      |  | Owner State:        | TX                    |
| Seal Method:               | Other  | Owner Zip:          | 76227                 |
| Seal Mthd Oth Desc:        | Halliburton Method                           | Owner Country:      |                       |
| Plugged w/i 48Hrs:         | No   | Driller Name:       | Alan Strittmatter     |
| Drilling Start Dt:         | 2003-11-12                                   | Driller Address1:   | 800 North Highway 377 |
| Drilling End Dt:           | 2003-11-17                                   | Driller Addr2:      |                       |
| Proposed Use:              | Irrigation                                   | Driller City:       | Pilot Point           |
| Prop Use Oth Descr:        |  | Driller State:      | TX                    |
| TCEQ Approve Plans:        |  | Driller Zip:        | 76258                 |
| Apprve by Variance:        |  | Driller Oth Cntry:  |                       |
| Loc Vfy by Driller:        | No   | Driller Country:    |                       |
| Sealed by Driller:         | Yes  | Dist to Sep Contam: | n/a                   |
| Sealed by Name:            |  | Dist to Septic Tk:  |                       |
| Driller Signed:            | Alan Strittmatter                            | Dist to Prop Line:  |                       |
| Apprentice Signed:         |  | Dist Verifi Method: |                       |
| Surface Compl:             | Alternative Procedure Used                   | Horizon Datum Type: |                       |
| Surf Comp Oth Desc:        |  | Elevation:          |                       |
| Complt by Driller:         |  | Latitude:           | 33.263334             |
| Pump Type:                 |  | Lat Degree:         | 33                    |
| Pump Type Oth Desc:        |  | Lat Minute:         | 15                    |
| Pump Depth:                |  | Lat Second:         | 48                    |
| Chemical Analysis:         |  | Longitude:          | -96.981111            |
| Injurious Water:           | No   | Long Degree:        | 96                    |
| County:                    | Denton                                       | Long Minute:        | 58                    |
| Known Loc Error:           | No   | Long Second:        | 52                    |
| Grid No:                   | 18-41-7                                      |                     |                       |
| Company Name:              | Strittmatter Irrigation                      |                     |                       |
| Well Location Description: |  |                     |                       |
| Comments:                  | ^EO  |                     |                       |
| Data Source:               | Full SDR Database; SDRDB Well Location (Map) |                     |                       |

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB        |
|---------|-----------|---------------|---------------|----------------|-----------|
| 7       | SSE       | 0.59          | 3,134.73      | 603.84         | SDR WELLS |

## Wells and Additional Sources Detail Report

|                            |  |                     |                   |
|----------------------------|--|---------------------|-------------------|
| License No:                | 1820   | Well Address1:      | 9496 LIBERTY RD.  |
| PWS No:                    |  | Well Addr2:         |                   |
| Plug Rpt Track No:         |  | Well City:          |                   |
| Well Rpt Track No:         | 178439                                       | Well Zip:           | 76227             |
| Orig Well Rpt Trk No:      |  | Owner Well No:      | N/A               |
| Apprentice Reg No:         |  | Owner Name:         | EDDIE STEVENS     |
| No of Wells Drill:         |  | Owner Addr1:        | 9496 LIBERTY RD.  |
| Date Submitted:            | 2009-05-16                                   | Owner Addr2:        |                   |
| Type of Work:              | New Well                                     | Owner City:         | KURGERVILLE       |
| Typ of Wrk Oth Descr:      |  | Owner State:        | TX                |
| Seal Method:               | Other  | Owner Zip:          | 76227             |
| Seal Mthd Oth Descr:       | TRIMMIE                                      | Owner Country:      |                   |
| Plugged w/i 48Hrs:         | No   | Driller Name:       | Roger Elwyn Niles |
| Drilling Start Dt:         | 2009-05-14                                   | Driller Address1:   | 370 CR#2114       |
| Drilling End Dt:           | 2009-05-16                                   | Driller Addr2:      |                   |
| Proposed Use:              | Irrigation                                   | Driller City:       | GAINESVILLE       |
| Prop Use Oth Descr:        |  | Driller State:      | TX                |
| TCEQ Approve Plans:        |  | Driller Zip:        | 76240             |
| Aprv by Variance:          |  | Driller Oth Cntry:  |                   |
| Loc Vfy by Driller:        | No   | Driller Country:    |                   |
| Sealed by Driller:         | Yes  | Dist to Sep Contam: | 150               |
| Sealed by Name:            |  | Dist to Septic Tk:  |                   |
| Driller Signed:            | ROGER ELWYN NILES                            | Dist to Prop Line:  | 57                |
| Apprentice Signed:         |  | Dist Verifi Method: | TAPE              |
| Surface Compl:             | Surface Sleeve Installed                     | Horizon Datum Type: |                   |
| Surf Comp Oth Descr:       |  | Elevation:          | 582               |
| Complt by Driller:         |  | Latitude:           | 33.249445         |
| Pump Type:                 | Submersible                                  | Lat Degree:         | 33                |
| Pump Type Oth Descr:       |  | Lat Minute:         | 14                |
| Pump Depth:                | 180.00                                       | Lat Second:         | 58                |
| Chemical Analysis:         |  | Longitude:          | -96.98            |
| Injurious Water:           |  | Long Degree:        | 96                |
| County:                    | Denton                                       | Long Minute:        | 58                |
| Known Loc Error:           | No   | Long Second:        | 48                |
| Grid No:                   | 18-49-1                                      |                     |                   |
| Company Name:              | SEA-LITE DRILLING CO                         |                     |                   |
| Well Location Description: |  |                     |                   |
| Comments:                  |  |                     |                   |
| Data Source:               | Full SDR Database; SDRDB Well Location (Map) |                     |                   |

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB        |
|---------|-----------|---------------|---------------|----------------|-----------|
| 9       | NNW       | 0.64          | 3,402.66      | 647.94         | SDR WELLS |

|             |      |                |                 |
|-------------|------|----------------|-----------------|
| License No: | 4743 | Well Address1: | 4765 US Hwy 377 |
| PWS No:     |      | Well Addr2:    |                 |



## Wells and Additional Sources Detail Report

|                            |  |                     |                      |
|----------------------------|--|---------------------|----------------------|
| Plug Rpt Track No:         |  | Well City:          | Aubrey               |
| Well Rpt Track No:         | 509640                                       | Well Zip:           | 76227                |
| Orig Well Rpt Trk No:      |  | Owner Well No:      |                      |
| Apprentice Reg No:         |  | Owner Name:         | CDKK Properties, LLC |
| No of Wells Drill:         | 1  | Owner Addr1:        | 12829 Foutch Rd.     |
| Date Submitted:            | 2018-08-13                                   | Owner Addr2:        |                      |
| Type of Work:              | New Well                                     | Owner City:         | Pilot Point          |
| Typ of Wrk Oth Descr:      |  | Owner State:        | TX                   |
| Seal Method:               | Slurry                                       | Owner Zip:          | 76258                |
| Seal Mthd Oth Desc:        |  | Owner Country:      |                      |
| Plugged w/i 48Hrs:         | No   | Driller Name:       | Mike Bowen           |
| Drilling Start Dt:         | 2018-07-20                                   | Driller Address1:   | 4787 Clear Creek LP  |
| Drilling End Dt:           | 2018-07-21                                   | Driller Addr2:      |                      |
| Proposed Use:              | Irrigation                                   | Driller City:       | St Jo                |
| Prop Use Oth Descr:        |  | Driller State:      | TX                   |
| TCEQ Approve Plans:        |  | Driller Zip:        | 76265                |
| Apprve by Variance:        |  | Driller Oth Cntry:  |                      |
| Loc Vfy by Driller:        | Yes  | Driller Country:    |                      |
| Sealed by Driller:         | Yes  | Dist to Sep Contam: | 120                  |
| Sealed by Name:            |  | Dist to Septic Tk:  | 100                  |
| Driller Signed:            | Mike Bowen                                   | Dist to Prop Line:  | 20                   |
| Apprentice Signed:         |  | Dist Verifi Method: | Tape                 |
| Surface Compl:             | Surface Sleeve Installed                     | Horizon Datum Type: | WGS84                |
| Surf Comp Oth Desc:        |  | Elevation:          |                      |
| Complt by Driller:         | Yes  | Latitude:           | 33.268383            |
| Pump Type:                 | Submersible                                  | Lat Degree:         | 33                   |
| Pump Type Oth Desc:        |  | Lat Minute:         | 16                   |
| Pump Depth:                | 240.00                                       | Lat Second:         | 6.18                 |
| Chemical Analysis:         | No   | Longitude:          | -96.987883           |
| Injurious Water:           | No   | Long Degree:        | 96                   |
| County:                    | Denton                                       | Long Minute:        | 59                   |
| Known Loc Error:           | No   | Long Second:        | 16.38                |
| Grid No:                   | 18-41-7                                      |                     |                      |
| Company Name:              | Texoma Drilling LLC Mike Bowen               |                     |                      |
| Well Location Description: |  |                     |                      |
| Comments:                  |  |                     |                      |
| Data Source:               | Full SDR Database; SDRDB Well Location (Map) |                     |                      |

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB        |
|---------|-----------|---------------|---------------|----------------|-----------|
| 10      | NNW       | 0.66          | 3,483.11      | 651.66         | SDR WELLS |

|                       |        |                |                 |
|-----------------------|--------|----------------|-----------------|
| License No:           | 54440  | Well Address1: | 200 widcat road |
| PWS No:               |        | Well Addr2:    |                 |
| Plug Rpt Track No:    |        | Well City:     | Aubrey          |
| Well Rpt Track No:    | 372612 | Well Zip:      | 78620           |
| Orig Well Rpt Trk No: |        | Owner Well No: | 1               |

## Wells and Additional Sources Detail Report

|                            |  |                     |                        |
|----------------------------|--|---------------------|------------------------|
| Apprentice Reg No:         |  | Owner Name:         | Crystal Springs Events |
| No of Wells Drill:         |  | Owner Addr1:        | P.O. Box 936           |
| Date Submitted:            | 2014-08-25   | Owner Addr2:        |                        |
| Type of Work:              | New Well   | Owner City:         | Aubrey                 |
| Typ of Wrk Oth Descr:      |  | Owner State:        | TX                     |
| Seal Method:               | Other  | Owner Zip:          | 78620                  |
| Seal Mthd Oth Desc:        | tremie pipe, pumped with 3.5 HP                          | Owner Country:      |                        |
| Plugged w/i 48Hrs:         | No   | Driller Name:       | Matt Andrus            |
| Drilling Start Dt:         | 2014-01-07   | Driller Address1:   | 206 Westpark N         |
| Drilling End Dt:           | 2014-02-12   | Driller Addr2:      |                        |
| Proposed Use:              | Irrigation   | Driller City:       | McKinney               |
| Prop Use Oth Descr:        |  | Driller State:      | TX                     |
| TCEQ Approve Plans:        |  | Driller Zip:        | 75071                  |
| Aprvve by Variance:        |  | Driller Oth Cntry:  |                        |
| Loc Vfy by Driller:        | No   | Driller Country:    |                        |
| Sealed by Driller:         | No   | Dist to Sep Contam: | >150'                  |
| Sealed by Name:            | Andrus Drilling  | Dist to Septic Tk:  |                        |
| Driller Signed:            | Matt Andrus  | Dist to Prop Line:  | >50'                   |
| Apprentice Signed:         |  | Dist Verifi Method: | tape measure           |
| Surface Compl:             | Surface Slab Installed                                   | Horizon Datum Type: |                        |
| Surf Comp Oth Desc:        |  | Elevation:          |                        |
| Complt by Driller:         |  | Latitude:           | 33.268611              |
| Pump Type:                 | Submersible  | Lat Degree:         | 33                     |
| Pump Type Oth Desc:        |  | Lat Minute:         | 16                     |
| Pump Depth:                | 100.00   | Lat Second:         | 7                      |
| Chemical Analysis:         | No   | Longitude:          | -96.986667             |
| Injurious Water:           | No   | Long Degree:        | 96                     |
| County:                    | Denton   | Long Minute:        | 59                     |
| Known Loc Error:           | No   | Long Second:        | 12                     |
| Grid No:                   | 18-41-7  |                     |                        |
| Company Name:              | Andrus Drilling Company                                  |                     |                        |
| Well Location Description: |  |                     |                        |
| Comments:                  | Owner was present and approved well construction onsite. |                     |                        |
| Data Source:               | Full SDR Database; SDRDB Well Location (Map)             |                     |                        |

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB        |
|---------|-----------|---------------|---------------|----------------|-----------|
| 12      | ENE       | 0.67          | 3,549.61      | 623.54         | SDR WELLS |

|                       |            |                |                |
|-----------------------|------------|----------------|----------------|
| License No:           | 2499       | Well Address1: | Ike Byrom Rd   |
| PWS No:               |            | Well Addr2:    |                |
| Plug Rpt Track No:    |            | Well City:     | Krugerville    |
| Well Rpt Track No:    | 224398     | Well Zip:      |                |
| Orig Well Rpt Trk No: |            | Owner Well No: |                |
| Apprentice Reg No:    | 56252      | Owner Name:    | Dale Jordan    |
| No of Wells Drill:    |            | Owner Addr1:   | P.O. Box 77942 |
| Date Submitted:       | 2010-07-23 | Owner Addr2:   |                |

## Wells and Additional Sources Detail Report

|                            |  |                     |                      |
|----------------------------|--|---------------------|----------------------|
| Type of Work:              | New Well                                     | Owner City:         | Fort Worth           |
| Typ of Wrk Oth Descr:      |  | Owner State:        | TX                   |
| Seal Method:               | Slurry                                       | Owner Zip:          | 76177                |
| Seal Mthd Oth Desc:        |  | Owner Country:      |                      |
| Plugged w/i 48Hrs:         | No   | Driller Name:       | Gary Clark Prater    |
| Drilling Start Dt:         | 2009-06-16                                   | Driller Address1:   | 6963 US Hwy 81 North |
| Drilling End Dt:           | 2009-06-17                                   | Driller Addr2:      |                      |
| Proposed Use:              | Domestic                                     | Driller City:       | Bowie                |
| Prop Use Oth Descr:        |  | Driller State:      | TX                   |
| TCEQ Approve Plans:        |  | Driller Zip:        | 76230                |
| Aprv by Variance:          |  | Driller Oth Cntry:  |                      |
| Loc Vfy by Driller:        | No   | Driller Country:    |                      |
| Sealed by Driller:         | No   | Dist to Sep Contam: | none                 |
| Sealed by Name:            | Prater Drilling                              | Dist to Septic Tk:  |                      |
| Driller Signed:            | Gary Prater                                  | Dist to Prop Line:  | 100+                 |
| Apprentice Signed:         | Bill Prater                                  | Dist Verifi Method: | Measured             |
| Surface Compl:             | Surface Sleeve Installed                     | Horizon Datum Type: |                      |
| Surf Comp Oth Descr:       |  | Elevation:          |                      |
| Complt by Driller:         |  | Latitude:           | 33.262501            |
| Pump Type:                 |  | Lat Degree:         | 33                   |
| Pump Type Oth Descr:       |  | Lat Minute:         | 15                   |
| Pump Depth:                |  | Lat Second:         | 45                   |
| Chemical Analysis:         | No   | Longitude:          | -96.970555           |
| Injurious Water:           | No   | Long Degree:        | 96                   |
| County:                    | Denton                                       | Long Minute:        | 58                   |
| Known Loc Error:           | No   | Long Second:        | 14                   |
| Grid No:                   | 18-41-7                                      |                     |                      |
| Company Name:              | Prater Water Well                            |                     |                      |
| Well Location Description: |  |                     |                      |
| Comments:                  | \$mew  |                     |                      |
| Data Source:               | Full SDR Database; SDRDB Well Location (Map) |                     |                      |

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB        |
|---------|-----------|---------------|---------------|----------------|-----------|
| 14      | SE        | 0.74          | 3,927.36      | 599.72         | SDR WELLS |

|                       |            |                |                       |
|-----------------------|------------|----------------|-----------------------|
| License No:           | 54840      | Well Address1: | 2459 Dr. Sanders Road |
| PWS No:               |            | Well Addr2:    |                       |
| Plug Rpt Track No:    |            | Well City:     | Crossroads            |
| Well Rpt Track No:    | 102207     | Well Zip:      | 76227                 |
| Orig Well Rpt Trk No: |            | Owner Well No: |                       |
| Apprentice Reg No:    | WWA1999    | Owner Name:    | Holly Beadle          |
| No of Wells Drill:    |            | Owner Addr1:   | 2459 Dr. Sanders Road |
| Date Submitted:       | 2007-01-17 | Owner Addr2:   |                       |
| Type of Work:         | New Well   | Owner City:    | Crossroads            |
| Typ of Wrk Oth Descr: |            | Owner State:   | TX                    |
| Seal Method:          | Poured     | Owner Zip:     | 76227                 |

## Wells and Additional Sources Detail Report

|                            |  |                     |                           |
|----------------------------|--|---------------------|---------------------------|
| Seal Mthd Oth Desc:        |  | Owner Country:      |                           |
| Plugged w/i 48Hrs:         | No   | Driller Name:       | Dale Chepulis             |
| Drilling Start Dt:         | 2006-09-23                                   | Driller Address1:   | 1647 Witt Road, Suite 105 |
| Drilling End Dt:           | 2006-09-24                                   | Driller Addr2:      |                           |
| Proposed Use:              | Irrigation                                   | Driller City:       | Frisco                    |
| Prop Use Oth Descr:        |  | Driller State:      | TX                        |
| TCEQ Approve Plans:        |  | Driller Zip:        | 75034                     |
| Apprve by Variance:        |  | Driller Oth Cntry:  |                           |
| Loc Vfy by Driller:        | No   | Driller Country:    |                           |
| Sealed by Driller:         | Yes  | Dist to Sep Contam: |                           |
| Sealed by Name:            |  | Dist to Septic Tk:  |                           |
| Driller Signed:            | Dale Chepulis                                | Dist to Prop Line:  |                           |
| Apprentice Signed:         | Bradley Harrison                             | Dist Verifi Method: |                           |
| Surface Compl:             | Surface Sleeve Installed                     | Horizon Datum Type: |                           |
| Surf Comp Oth Desc:        |  | Elevation:          |                           |
| Complt by Driller:         |  | Latitude:           | 33.248334                 |
| Pump Type:                 | Submersible                                  | Lat Degree:         | 33                        |
| Pump Type Oth Desc:        |  | Lat Minute:         | 14                        |
| Pump Depth:                | 100.00                                       | Lat Second:         | 54                        |
| Chemical Analysis:         | No   | Longitude:          | -96.975555                |
| Injurious Water:           | No   | Long Degree:        | 96                        |
| County:                    | Denton                                       | Long Minute:        | 58                        |
| Known Loc Error:           | No   | Long Second:        | 32                        |
| Grid No:                   | 18-49-1                                      |                     |                           |
| Company Name:              | Earth Tech                                   |                     |                           |
| Well Location Description: |  |                     |                           |
| Comments:                  |  |                     |                           |
| Data Source:               | Full SDR Database; SDRDB Well Location (Map) |                     |                           |

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB        |
|---------|-----------|---------------|---------------|----------------|-----------|
| 15      | N         | 0.75          | 3,950.67      | 657.09         | SDR WELLS |

|                       |            |                   |                      |
|-----------------------|------------|-------------------|----------------------|
| License No:           | 2555       | Well Address1:    | 15020 Twin Oaks Lane |
| PWS No:               |            | Well Addr2:       |                      |
| Plug Rpt Track No:    |            | Well City:        | Krugerville          |
| Well Rpt Track No:    | 134799     | Well Zip:         | 76227                |
| Orig Well Rpt Trk No: |            | Owner Well No:    |                      |
| Apprentice Reg No:    |            | Owner Name:       | John Brogdon         |
| No of Wells Drill:    |            | Owner Addr1:      | 1502 Twin Oaks Lane  |
| Date Submitted:       | 2008-02-19 | Owner Addr2:      |                      |
| Type of Work:         | New Well   | Owner City:       | Aubrey               |
| Typ of Wrk Oth Descr: |            | Owner State:      | TX                   |
| Seal Method:          | Other      | Owner Zip:        | 76227                |
| Seal Mthd Oth Desc:   | Grout      | Owner Country:    |                      |
| Plugged w/i 48Hrs:    | No         | Driller Name:     | Henry Floyd Erwin    |
| Drilling Start Dt:    | 2007-08-07 | Driller Address1: | 6991 FM 4            |



## Wells and Additional Sources Detail Report

|                            |  |                     |            |
|----------------------------|--|---------------------|------------|
| Drilling End Dt:           | 2007-08-07                                   | Driller Addr2:      |            |
| Proposed Use:              | Domestic                                     | Driller City:       | Jacksboro  |
| Prop Use Oth Descr:        |  | Driller State:      | TX         |
| TCEQ Approve Plans:        |  | Driller Zip:        | 76458      |
| Approve by Variance:       |  | Driller Oth Cntry:  |            |
| Loc Vfy by Driller:        | No   | Driller Country:    |            |
| Sealed by Driller:         | No   | Dist to Sep Contam: |            |
| Sealed by Name:            | Erwin  | Dist to Septic Tk:  |            |
| Driller Signed:            | Henry Erwin                                  | Dist to Prop Line:  |            |
| Apprentice Signed:         |  | Dist Verifi Method: |            |
| Surface Compl:             | Surface Sleeve Installed                     | Horizon Datum Type: |            |
| Surf Comp Oth Desc:        |  | Elevation:          | 672        |
| Complt by Driller:         |  | Latitude:           | 33.269722  |
| Pump Type:                 | Submersible                                  | Lat Degree:         | 33         |
| Pump Type Oth Desc:        |  | Lat Minute:         | 16         |
| Pump Depth:                | 240.00                                       | Lat Second:         | 11         |
| Chemical Analysis:         | No   | Longitude:          | -96.983611 |
| Injurious Water:           | No   | Long Degree:        | 96         |
| County:                    | Denton                                       | Long Minute:        | 59         |
| Known Loc Error:           | No   | Long Second:        | 1          |
| Grid No:                   | 18-41-7                                      |                     |            |
| Company Name:              | Erwin Water Well Drilling                    |                     |            |
| Well Location Description: |  |                     |            |
| Comments:                  |  |                     |            |
| Data Source:               | Full SDR Database; SDRDB Well Location (Map) |                     |            |

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB        |
|---------|-----------|---------------|---------------|----------------|-----------|
| 16      | NE        | 0.78          | 4,095.89      | 642.85         | SDR WELLS |

|                       |            |                   |                   |
|-----------------------|------------|-------------------|-------------------|
| License No:           | 2555       | Well Address1:    | Off Hwy 377       |
| PWS No:               |            | Well Addr2:       |                   |
| Plug Rpt Track No:    |            | Well City:        | Aubrey            |
| Well Rpt Track No:    | 135356     | Well Zip:         | 76227             |
| Orig Well Rpt Trk No: |            | Owner Well No:    |                   |
| Apprentice Reg No:    |            | Owner Name:       | Dale Jordan       |
| No of Wells Drill:    |            | Owner Addr1:      | P.O. Box 77942    |
| Date Submitted:       | 2008-02-26 | Owner Addr2:      |                   |
| Type of Work:         | New Well   | Owner City:       | Ft. Worth         |
| Typ of Wrk Oth Descr: |            | Owner State:      | TX                |
| Seal Method:          | Other      | Owner Zip:        | 76177             |
| Seal Mthd Oth Desc:   | Grout      | Owner Country:    |                   |
| Plugged w/i 48Hrs:    | No         | Driller Name:     | Henry Floyd Erwin |
| Drilling Start Dt:    | 2007-12-20 | Driller Address1: | 6991 FM 4         |
| Drilling End Dt:      | 2007-12-20 | Driller Addr2:    |                   |
| Proposed Use:         | Domestic   | Driller City:     | Jacksboro         |
| Prop Use Oth Descr:   |            | Driller State:    | TX                |

## Wells and Additional Sources Detail Report

|                            |  |                     |            |
|----------------------------|--|---------------------|------------|
| TCEQ Approve Plans:        |  | Driller Zip:        | 76458      |
| Apprve by Variance:        |  | Driller Oth Cntry:  |            |
| Loc Vfy by Driller:        | No   | Driller Country:    |            |
| Sealed by Driller:         | No   | Dist to Sep Contam: |            |
| Sealed by Name:            | Erwin  | Dist to Septic Tk:  |            |
| Driller Signed:            | Henry Erwin                                  | Dist to Prop Line:  |            |
| Apprentice Signed:         |  | Dist Verifi Method: |            |
| Surface Compl:             | Surface Sleeve Installed                     | Horizon Datum Type: |            |
| Surf Comp Oth Desc:        |  | Elevation:          |            |
| Complt by Driller:         |  | Latitude:           | 33.268889  |
| Pump Type:                 | Submersible                                  | Lat Degree:         | 33         |
| Pump Type Oth Desc:        |  | Lat Minute:         | 16         |
| Pump Depth:                | 240.00                                       | Lat Second:         | 8          |
| Chemical Analysis:         | No   | Longitude:          | -96.975555 |
| Injurious Water:           | No   | Long Degree:        | 96         |
| County:                    | Denton                                       | Long Minute:        | 58         |
| Known Loc Error:           | No   | Long Second:        | 32         |
| Grid No:                   | 18-41-7                                      |                     |            |
| Company Name:              | Erwin Water Well Drilling                    |                     |            |
| Well Location Description: |  |                     |            |
| Comments:                  |  |                     |            |
| Data Source:               | Full SDR Database; SDRDB Well Location (Map) |                     |            |

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB        |
|---------|-----------|---------------|---------------|----------------|-----------|
| 18      | SE        | 0.90          | 4,750.57      | 606.55         | SDR WELLS |

|                       |            |                    |                    |
|-----------------------|------------|--------------------|--------------------|
| License No:           | 56060      | Well Address1:     | 2433 DR SANDERS RD |
| PWS No:               |            | Well Addr2:        |                    |
| Plug Rpt Track No:    |            | Well City:         | AUBREY             |
| Well Rpt Track No:    | 274661     | Well Zip:          | 76227              |
| Orig Well Rpt Trk No: |            | Owner Well No:     |                    |
| Apprentice Reg No:    | 58440      | Owner Name:        | HARRY TIPTON       |
| No of Wells Drill:    |            | Owner Addr1:       | 2433 DR SANDERS RD |
| Date Submitted:       | 2011-12-21 | Owner Addr2:       |                    |
| Type of Work:         | New Well   | Owner City:        | AUBREY             |
| Typ of Wrk Oth Descr: |            | Owner State:       | TX                 |
| Seal Method:          | Poured     | Owner Zip:         | 76227              |
| Seal Mthd Oth Desc:   |            | Owner Country:     |                    |
| Plugged w/i 48Hrs:    | No         | Driller Name:      | James Dake         |
| Drilling Start Dt:    | 2011-10-24 | Driller Address1:  | P.O. BOX 1322      |
| Drilling End Dt:      | 2011-10-24 | Driller Addr2:     |                    |
| Proposed Use:         | Domestic   | Driller City:      | BRIDGEPORT         |
| Prop Use Oth Descr:   |            | Driller State:     | TX                 |
| TCEQ Approve Plans:   |            | Driller Zip:       | 76426              |
| Apprve by Variance:   |            | Driller Oth Cntry: |                    |
| Loc Vfy by Driller:   | No         | Driller Country:   |                    |

## Wells and Additional Sources Detail Report

|                            |  |                     |            |
|----------------------------|--|---------------------|------------|
| Sealed by Driller:         | No   | Dist to Sep Contam: | 150+       |
| Sealed by Name:            | JD   | Dist to Septic Tk:  |            |
| Driller Signed:            | JAMES DAKE                                   | Dist to Prop Line:  | 85         |
| Apprentice Signed:         | PHILLIP DILLAMAN                             | Dist Verifi Method: | OWNER      |
| Surface Compl:             | Surface Sleeve Installed                     | Horizon Datum Type: |            |
| Surf Comp Oth Desc:        |  | Elevation:          |            |
| Complt by Driller:         |  | Latitude:           | 33.246389  |
| Pump Type:                 | Submersible                                  | Lat Degree:         | 33         |
| Pump Type Oth Desc:        |  | Lat Minute:         | 14         |
| Pump Depth:                | 180.00                                       | Lat Second:         | 47         |
| Chemical Analysis:         | No   | Longitude:          | -96.974167 |
| Injurious Water:           | No   | Long Degree:        | 96         |
| County:                    | Denton                                       | Long Minute:        | 58         |
| Known Loc Error:           | No   | Long Second:        | 27         |
| Grid No:                   | 18-49-1                                      |                     |            |
| Company Name:              | AFFORDABLE/CONLEY                            |                     |            |
| Well Location Description: |  |                     |            |
| Comments:                  |  |                     |            |
| Data Source:               | Full SDR Database; SDRDB Well Location (Map) |                     |            |

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB        |
|---------|-----------|---------------|---------------|----------------|-----------|
| 20      | ENE       | 0.97          | 5,104.97      | 633.86         | SDR WELLS |

|                       |                       |                     |                       |
|-----------------------|-----------------------|---------------------|-----------------------|
| License No:           | 2464                  | Well Address1:      | Steward Rd.           |
| PWS No:               |                       | Well Addr2:         |                       |
| Plug Rpt Track No:    |                       | Well City:          | Aubrey                |
| Well Rpt Track No:    | 573321                | Well Zip:           | 76227                 |
| Orig Well Rpt Trk No: |                       | Owner Well No:      | Silverado Well #2     |
| Apprentice Reg No:    |                       | Owner Name:         | Mustang S.U.D.        |
| No of Wells Drill:    | 1                     | Owner Addr1:        | 7985 F.M. 2931        |
| Date Submitted:       | 2021-05-11            | Owner Addr2:        |                       |
| Type of Work:         | New Well              | Owner City:         | Aubrey                |
| Typ of Wrk Oth Descr: |                       | Owner State:        | TX                    |
| Seal Method:          | Positive Displacement | Owner Zip:          | 76227                 |
| Seal Mthd Oth Desc:   |                       | Owner Country:      |                       |
| Plugged w/i 48Hrs:    | No                    | Driller Name:       | Cory Lynn Miller      |
| Drilling Start Dt:    | 2020-11-09            | Driller Address1:   | 7355 St. Hwy 154 East |
| Drilling End Dt:      | 2021-05-07            | Driller Addr2:      |                       |
| Proposed Use:         | Public Supply         | Driller City:       | Winnsboro             |
| Prop Use Oth Descr:   |                       | Driller State:      | TX                    |
| TCEQ Approve Plans:   | Yes                   | Driller Zip:        | 75494                 |
| Apprve by Variance:   |                       | Driller Oth Cntry:  |                       |
| Loc Vfy by Driller:   | Yes                   | Driller Country:    |                       |
| Sealed by Driller:    | Yes                   | Dist to Sep Contam: | 300+                  |
| Sealed by Name:       |                       | Dist to Septic Tk:  | 300+                  |
| Driller Signed:       | Cory L. Miller        | Dist to Prop Line:  | 150+                  |

## Wells and Additional Sources Detail Report

|                            |  |                     |           |
|----------------------------|--|---------------------|-----------|
| Apprentice Signed:         |  | Dist Verifi Method: | Engineer  |
| Surface Compl:             | Surface Slab Installed                       | Horizon Datum Type: |           |
| Surf Comp Oth Desc:        |  | Elevation:          | 625       |
| Complt by Driller:         | Yes  | Latitude:           | 33.26497  |
| Pump Type:                 | Submersible                                  | Lat Degree:         | 33        |
| Pump Type Oth Desc:        |  | Lat Minute:         | 15        |
| Pump Depth:                | 1349.00                                      | Lat Second:         | 53.89     |
| Chemical Analysis:         | Yes  | Longitude:          | -96.96631 |
| Injurious Water:           | No   | Long Degree:        | 96        |
| County:                    | Denton                                       | Long Minute:        | 57        |
| Known Loc Error:           | No   | Long Second:        | 58.72     |
| Grid No:                   | 18-41-7                                      |                     |           |
| Company Name:              | C. Miller Drilling                           |                     |           |
| Well Location Description: |  |                     |           |
| Comments:                  |  |                     |           |
| Data Source:               | Full SDR Database; SDRDB Well Location (Map) |                     |           |

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB        |
|---------|-----------|---------------|---------------|----------------|-----------|
| 21      | N         | 0.97          | 5,113.34      | 671.30         | SDR WELLS |

|                       |                            |                     |                       |
|-----------------------|----------------------------|---------------------|-----------------------|
| License No:           | 54790                      | Well Address1:      | 8959 Ike Byrom Road   |
| PWS No:               |                            | Well Addr2:         |                       |
| Plug Rpt Track No:    |                            | Well City:          | Aubrey                |
| Well Rpt Track No:    | 109177                     | Well Zip:           | 76227                 |
| Orig Well Rpt Trk No: |                            | Owner Well No:      |                       |
| Apprentice Reg No:    |                            | Owner Name:         | Noel Goin             |
| No of Wells Drill:    |                            | Owner Addr1:        | 8959 Ike Byrom Road   |
| Date Submitted:       | 2007-04-13                 | Owner Addr2:        |                       |
| Type of Work:         | New Well                   | Owner City:         | Aubrey                |
| Typ of Wrk Oth Descr: |                            | Owner State:        | TX                    |
| Seal Method:          | Positive Displacement      | Owner Zip:          | 76227                 |
| Seal Mthd Oth Desc:   |                            | Owner Country:      |                       |
| Plugged w/i 48Hrs:    | No                         | Driller Name:       | Alan Strittmatter     |
| Drilling Start Dt:    | 2003-11-07                 | Driller Address1:   | 800 North Highway 377 |
| Drilling End Dt:      | 2004-09-08                 | Driller Addr2:      |                       |
| Proposed Use:         | Domestic                   | Driller City:       | Pilot Point           |
| Prop Use Oth Descr:   |                            | Driller State:      | TX                    |
| TCEQ Approve Plans:   |                            | Driller Zip:        | 76258                 |
| Aprv by Variance:     |                            | Driller Oth Cntry:  |                       |
| Loc Vfy by Driller:   | No                         | Driller Country:    |                       |
| Sealed by Driller:    | Yes                        | Dist to Sep Contam: | 240                   |
| Sealed by Name:       |                            | Dist to Septic Tk:  |                       |
| Driller Signed:       | Alan Strittmatter          | Dist to Prop Line:  |                       |
| Apprentice Signed:    |                            | Dist Verifi Method: | Measured              |
| Surface Compl:        | Alternative Procedure Used | Horizon Datum Type: |                       |
| Surf Comp Oth Desc:   |                            | Elevation:          |                       |



## Wells and Additional Sources Detail Report

|                            |  |              |            |
|----------------------------|--|--------------|------------|
| Complt by Driller:         | Latitude:                                    | 33.272778    |            |
| Pump Type:                 | Submersible                                  | Lat Degree:  | 33         |
| Pump Type Oth Desc:        |  | Lat Minute:  | 16         |
| Pump Depth:                | 189.00                                       | Lat Second:  | 22         |
| Chemical Analysis:         |  | Longitude:   | -96.981111 |
| Injurious Water:           | No   | Long Degree: | 96         |
| County:                    | Denton                                       | Long Minute: | 58         |
| Known Loc Error:           | No   | Long Second: | 52         |
| Grid No:                   | 18-41-7                                      |              |            |
| Company Name:              | Strittmatter Irrigation                      |              |            |
| Well Location Description: |  |              |            |
| Comments:                  | \$dfs  |              |            |
| Data Source:               | Full SDR Database; SDRDB Well Location (Map) |              |            |

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB        |
|---------|-----------|---------------|---------------|----------------|-----------|
| 22      | SSW       | 0.98          | 5,160.94      | 664.60         | SDR WELLS |

|                       |                        |                     |                       |
|-----------------------|------------------------|---------------------|-----------------------|
| License No:           | 2464                   | Well Address1:      | US HWY 377            |
| PWS No:               |                        | Well Addr2:         |                       |
| Plug Rpt Track No:    |                        | Well City:          | Crossroads            |
| Well Rpt Track No:    | 453013                 | Well Zip:           | 76227                 |
| Orig Well Rpt Trk No: |                        | Owner Well No:      | Riley                 |
| Apprentice Reg No:    |                        | Owner Name:         | Mustang S.U.D.        |
| No of Wells Drill:    | 1                      | Owner Addr1:        | 7985 FM 2931          |
| Date Submitted:       | 2017-06-21             | Owner Addr2:        |                       |
| Type of Work:         | New Well               | Owner City:         | Aubrey                |
| Typ of Wrk Oth Descr: |                        | Owner State:        | TX                    |
| Seal Method:          | Positive Displacement  | Owner Zip:          | 76227                 |
| Seal Mthd Oth Desc:   |                        | Owner Country:      |                       |
| Plugged w/i 48Hrs:    | No                     | Driller Name:       | Cory Lynn Miller      |
| Drilling Start Dt:    | 2016-11-07             | Driller Address1:   | 7355 St. Hwy 154 East |
| Drilling End Dt:      | 2017-05-26             | Driller Addr2:      |                       |
| Proposed Use:         | Public Supply          | Driller City:       | Winnsboro             |
| Prop Use Oth Descr:   |                        | Driller State:      | TX                    |
| TCEQ Approve Plans:   | Yes                    | Driller Zip:        | 75494                 |
| Aprv by Variance:     |                        | Driller Oth Cntry:  |                       |
| Loc Vfy by Driller:   | Yes                    | Driller Country:    |                       |
| Sealed by Driller:    | No                     | Dist to Sep Contam: | 150+                  |
| Sealed by Name:       | Basic Energy Service   | Dist to Septic Tk:  | 150+                  |
| Driller Signed:       | Cory L. Miller         | Dist to Prop Line:  | 100+                  |
| Apprentice Signed:    |                        | Dist Verifi Method: | Engineer              |
| Surface Compl:        | Surface Slab Installed | Horizon Datum Type: |                       |
| Surf Comp Oth Descr:  |                        | Elevation:          |                       |
| Complt by Driller:    | Yes                    | Latitude:           | 33.2453               |
| Pump Type:            |                        | Lat Degree:         | 33                    |
| Pump Type Oth Descr:  |                        | Lat Minute:         | 14                    |

## Wells and Additional Sources Detail Report

|                                  |  |            |
|----------------------------------|--|------------|
| Pump Depth:                      | Lat Second:  | 43.08      |
| Chemical Analysis: Yes           | Longitude:   | -96.994244 |
| Injurious Water: No              | Long Degree:   | 96         |
| County: Denton                   | Long Minute:   | 59         |
| Known Loc Error: No              | Long Second:   | 39.28      |
| Grid No: 18-49-1                 |  |            |
| Company Name: C. Miller Drilling |  |            |
| Well Location Description:       |  |            |
| Comments:                        | The Pressure Cementing was done by Basic Energy Services and C. Miller Drilling and the Halliburton Method Positive Interior Method with a Drillable Float Collar at 1368 feet and Drillable Float Shoe at 1409 feet was used. |            |
| Data Source:                     | Full SDR Database; SDRDB Well Location (Map)   |            |

### Water Utility Database

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB  |
|---------|-----------|---------------|---------------|----------------|-----|
| 5       | SSW       | 0.51          | 2,694.11      | 619.41         | WUD |

|                             |                           |
|-----------------------------|---------------------------|
| PWS ID: 0610036             | Segment:                  |
| WTRSRC: G0610036D           | System Sta:               |
| ID No: G0610036D            | Contact Phone: 9404409561 |
| St Well No: 1841707         | Primary Co:               |
| Operating Status: ABANDONED | Contact Ti:               |
| Well Depth: 1512            | Utility Name: MUSTANG SUD |
| Water Usag:                 | Utility Na:               |
| Static Lev:                 | Aquifer: 218TWMT          |
| Date Drilled: 01/22/1986    | Waterbody:                |
| Compliant: Yes              | Latitude: 33.25084961     |
| Screen Bottom: 1472         | Longitude: -96.98824002   |
| Screen Top: 1290            | Hdatum: 83                |
| Gallons Per Minute: 225     | Horz Meth: GPS_DIFF       |
| Depth Agen: DRILL           | Horz Acc: 15              |
| EPID: 004                   | Horz Ref: STRUC_CEN       |
| Type :                      | Horz Date: 31-Oct-2006    |
| CAD No:                     | Horz Org: TCEQ            |
| Constr: T                   | Horz Datum: NAD83         |
| Confine: T                  | Quadnum: 3396-232         |
| CCN:                        | Ownr Des:                 |
| Alluvial: N                 |                           |

| Map Key | Direction | Distance (mi) | Distance (ft) | Elevation (ft) | DB  |
|---------|-----------|---------------|---------------|----------------|-----|
| 22      | SSW       | 0.98          | 5,160.94      | 664.60         | WUD |

|                               |                |
|-------------------------------|----------------|
| PWS ID: 0610036               | Segment:       |
| WTRSRC: G0610036K             | System Sta:    |
| ID No:                        | Contact Phone: |
| St Well No:                   | Primary Co:    |
| Operating Status: OPERATIONAL | Contact Ti:    |

## Wells and Additional Sources Detail Report

|                     |            |               |              |
|---------------------|------------|---------------|--------------|
| Well Depth:         | 1490       | Utility Name: | MUSTANG SUD  |
| Water Usag:         |            | Utility Na:   |              |
| Static Lev:         |            | Aquifer:      | 218TWMT      |
| Date Drilled:       | 05/26/2017 | Waterbody:    |              |
| Compliant:          |            | Latitude:     | 33.2453      |
| Screen Bottom:      | 0          | Longitude:    | -96.99424444 |
| Screen Top:         | 0          | Hdatum:       |              |
| Gallons Per Minute: | 0          | Horz Meth:    | GPS_DIFF     |
| Depth Agen:         | DRILL      | Horz Acc:     | -9999        |
| EPID:               |            | Horz Ref:     | STRUC_CEN    |
| Type :              |            | Horz Date:    | 26-May-2017  |
| CAD No:             |            | Horz Org:     | DRILL        |
| Constr:             |            | Horz Datum:   | NAD83        |
| Confine:            |            | Quadnum:      | 3396-223     |
| CCN:                |            | Ownr Des:     |              |
| Alluvial:           |            |               |              |

## Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *DENTON* County: **3**

*Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L*

*Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L*

*Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L*

---

### Federal Area Radon Information for *DENTON* County

|                      |  |
|----------------------|--|
| No Measures/Homes:   | 30   |
| Geometric Mean:      | 0.8  |
| Arithmetic Mean:     | 1  |
| Median:              | 0.9  |
| Maximum:             | 3  |
| % >4 pCi/L:          | 0  |
| % >20 pCi/L:         | 0  |
| Notes on Data Table: | TABLE 1. Screening indoor radon data from the State/EPA Residential Radon Survey of Texas conducted during 1990-91. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested. |



## **Federal Sources**

### **FEMA National Flood Hazard Layer**

**FEMA FLOOD**

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

### **Indoor Radon Data**

**INDOOR RADON**

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

### **Public Water Systems Violations and Enforcement Data**

**PWSV**

List of drinking water violations and enforcement actions from the Safe Drinking Water Information System (SDWIS) made available by the Drinking Water Protection Division of the US EPA's Office of Groundwater and Drinking Water. Enforcement sensitive actions are not included in the data released by the EPA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

### **Radon Zone Level**

**RADON ZONE**

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

### **Safe Drinking Water Information System (SDWIS)**

**SDWIS**

The Safe Drinking Water Information System (SDWIS) contains information about public water systems as reported to US Environmental Protection Agency (EPA) by the states. Addresses may correspond with the location of the water system, or with a contact address.

### **Soil Survey Geographic database**

**SSURGO**

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

### **U.S. Fish & Wildlife Service Wetland Data**

**US WETLAND**

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

### **USGS Current Topo**

**US TOPO**

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

### **USGS Geology**

**US GEOLOGY**

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

### **USGS National Water Information System**

**FED USGS**

The U.S. Geological Survey (USGS)'s National Water Information System (NWIS) is the nation's principal repository of water resources data. This database includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data.

## **State Sources**

### **Groundwater Database**

**GWDB**

The Texas Water Development Board (TWDB) Groundwater Database (GWDB) contains information on

## Appendix

selected water wells, springs, oil/gas tests (that were originally intended to be or were converted to water wells), water levels and water quality.

### **Harris Galveston Subsidence District Water Wells**

**WW HARRIS GAL**

List of water wells in the Harris-Galveston Subsidence District (HGSD). The HGSD was created by the 64th Texas Legislature as an underground water conservation district in 1975 to provide regulation of groundwater withdrawal to control subsidence.

### **High Plains Water Wells**

**WW HIGH PLAINS**

Inventory of water wells in the High Plains Underground Water Conservation District No. 1 (HPUWCD), which was created in 1951. As a political subdivision of Texas, HPUWCD is charged with protecting, preserving and conserving aquifers within the District's 16-county service area.

### **Oil and Gas Wells**

**OGW**

Oil and Gas Well Data made available by the Railroad Commission of Texas.

### **Pipelines**

**PIPELINE**

Locations of interstate and intrastate gas and liquids pipelines, made available by the Railroad Commission of Texas (RRC). Data is derived from RRC T-4 Permit applications ("Application for Permit to Operate a Pipeline in Texas"), which facilitate regulatory functions of the Pipeline Safety Section of the RRC. The digital data used to create the files was taken from the forms system within the RRC, from the General Land Office (GLO) county survey maps, and, United States Geological Survey (USGS) quadrangle maps.

### **Plotted Water Wells**

**WATER WELLS**

A list of water wells in Texas that are plotted in Texas Commission on Environmental Quality (TCEQ) Water Well Report Viewer. The database provides the best representation of water well driller's reports available to the TCEQ as of the date of records collected. Note: records are plotted using the Texas Land Survey Grid System, identifying the 2.5 minute grid where wells are located but do not contain the offset necessary to pinpoint a specific location. Therefore, plotted locations are accurate to a resolution of 2.5 minute (2-3 miles).

### **Plugged Water Wells**

**PLUGGED WELLS**

A list of plugged water wells from the Submitted Drillers Report (SDR) Database. This list is maintained by the Texas Water Development Board (TWDB).

### **Public Water Systems Wells and Surface Intakes**

**PWSW**

Public Water Supply Water Well Sites and Public Water Supply Surface Water Intake Sites in the State of Texas made available by the Texas Commission on Environmental Quality (TCEQ). The locations for these layers were obtained by the Water Supply Division as recorded from various sources, and the data provider indicates that some locational errors have been identified. As resources allow, TCEQ intends to improve the accuracy of these locations to meet the standards set forth in the agency's Positional Data Policy.

### **Submitted Drillers Report Database**

**SDR WELLS**

The Submitted Drillers Report (SDR) Database is populated from the online Texas Well Report Submission and Retrieval System (TWRSSRS) which is a cooperative Texas Department of Licensing and Regulation (TDLR) and Texas Water Development Board (TWDB) application that registered water-well drillers use to submit their required reports.

### **Surveys**

**SURVEY**

Survey boundaries made available by the Railroad Commission of Texas (RRC). A survey is a certified measured description of a piece of land. In Texas, original surveys were performed as part of the patenting process whereby land was transferred from the public domain. These "patent surveys", recorded at the Texas General Land Office (GLO), constitute an official land grid for the State and are the basis for subsequent land surveys. The digital data used to create surveys were taken from the forms system within the RRC, from the General Land Office (GLO) county survey maps, and United States Geological Survey (USGS) quadrangle maps.

### **Underground Injection Control**

**UIC**

List of underground injection control (UIC) permits in the Texas Commission on Environmental Quality (TCEQ) Central Registry database. Includes Class I, Class III, Class IV, Class 5, and non permitted UICs; does not include injection wells regulated by the Railroad Commission of Texas.

## Water Utility Database

WUD

The Water Utility Database is defined as a collection of data from Texas Water Districts, Public Drinking Water Systems and Water and Sewer Utilities who submit information to the TCEQ. This database is an integrated database designed and developed to replace over 160 stand alone legacy systems representing over 5 million records of the former Texas Water Commission and the Texas Department of Health.

## Well Log Reports from Plotted Water Wells

WELL LOGS

Locations of TCEQ Water Wells as derived from well logs in the Texas Commission on Environmental Quality (TCEQ) Water Well Report Viewer, which includes unnumbered water wells and those plotted to 2.5 minute grid locations (2-3 miles). In this collection of Well Log Reports, locations have been manually verified.

## County Sources

### Fort Bend Subsidence District Water Wells

WW FORT BEND

List of water wells in the Fort Bend Subsidence District, boundaries of which are defined as all the territory within Fort Bend County. The Fort Bend Subsidence District was created by the Texas Legislature in 1989 as a conservation and reclamation district to control land subsidence and manage groundwater resources through regulation, conservation, and coordination with suppliers of alternative water sources to assure an adequate quantity and quality of water for the future. The District's purpose is to provide for the regulation of the withdrawal of groundwater within the District to prevent subsidence that contributes to flooding, inundation or overflow of areas within the District, including rising waters resulting from storms or hurricanes.

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## **APPENDIX D: QUALIFICATIONS**

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## Education

B.S in Environmental Science, Texas A&M University – Corpus Christi, Texas

## Training

40 Hour HAZWOPER (Hazardous Waste Operations & Emergency Response)

## Highlights

4 years in environmental due diligence field conducting Phase I Environmental Site Assessments, Transaction Screen Assessments, Environmental Desktop Reports, Limited Environmental Risk Assessments on properties including but not limited to; undeveloped/vacant, restaurants, hotels, carwashes, apartment complexes, medical office buildings, gas stations, industrial warehouses, electrical and gas-powered plants, industrial, commercial, and retail properties.

## Experience Summary

Ms. Salamanca is currently a Project Assessor for Partner Engineering and Science, Inc. (Partner). She performs Phase I ESA field reconnaissance and writes technical due diligence reports. She has approximately four years' experience conducting due diligence work and has extensive experience with various commercial, light industrial and industrial properties.

## Project Experience

*Oil and Gas Due Diligence* -Field inspector and technical report writing for Modified Phase I ESAs and/or ESA reports on numerous oil and gas well production locations, injection and disposal wells, tank batteries, compressor stations, gas plants, field offices, and pipe yards throughout Texas and Kansas.

*Regulatory Compliance* -Inspector on various Storm Water Pollution Prevention Plan (SWPPP) construction sites in North Texas.

## Publications

Xu, X.; Wei, H.; Barker, G.; Holt, K.; Julian, S.; Light, T.; Melton, S.; Salamanca, A.; Moffett, K; Hodges, B.; McClelland, J.; Hardison, A. K.: **Tidal Freshwater Zones as Hotspots for Biogeochemical Cycling: Sediment Organic Matter Decomposition in the Lower Reaches of Two South Texas Rivers.** Publication in *Estuaries and Coasts*, a journal of the Coastal and Estuarine Research Federation (2020).

## Contact

asalamanca@partneresi.com



## Education

Bachelors of Art, Environmental Studies, Ramapo College-5/2015  
Masters of Art, Sustainability Studies, Ramapo College- 5/2017

## Highlights

Mrs. McCann currently has four and a half years of experience in writing Phase I Environmental Assessments including historical reviews, and conducting files reviews, and site inspections. Mrs. McCann has two years of experience as a Radon Measurement technician in the State of New Jersey. In Addition, Mrs. McCann has experience performing Energy Audits.

## Experience Summary

She has experience in due diligence assessments for a variety of property types and the needs and requirements of varied number of reporting standards, including ASTM standards, EPA's All Appropriate Inquiry (AAI), and customized client formats. Mrs. McCann has been performing Phase I Environmental Site Assessments, Energy Audits, and Radon Measurement assessments for residential building, commercial office buildings, shopping centers, industrial properties, and laboratories.

## Project Experience

*Phase I ESA - Callicoon, New York.* Ms. McCann assessed a 400-ac ski resort previously equipped with nine underground storage tanks with multiple associated spill case and currently equipped with a sewage water treatment plant, and multiple auto repair shops.

*Phase I ESA - Newark, New Jersey.* Ms. McCann assessed an auto repair shop under Licensed Site Remediation Professional (LSRP) oversight to be redeveloped for residential use.

*Phase I ESA - Teaneck, New Jersey.* Ms. McCann participated in the assessment of a precious metals and nuclear lab.

*Radon Measurement – Various Locations* Ms. McCann performed radon surveys at several multifamily residential sites in New Jersey and New York.

*Energy Audit - Kutztown, Pennsylvania* Ms. McCann participated in an Energy Audit for a six-building residential complex.

*Energy Audit - Temple, Pennsylvania* Ms. McCann participated in an Energy Audit for a six-building residential complex.

## Affiliations

Hawthorne Environmental Commission  
Hawthorne Green Team

## Contact

cmccann@partneresi.com



## Highlights

6 years of experience performing general environmental consulting (Phase I Environmental Site Assessments & Phase II Environmental Site Assessments)

4 years of experience working under the NJDEP Technical Requirement for Site Remediation performing Preliminary Assessments, Site Investigations, Remedial Investigations, and Remedial Actions under the supervision of the Licensed Site Remedial Professionals (LSRPs).

## Experience Summary

Mr. Reynics serves as a Project Scientist for Partner Engineering and Science, Inc. (Partner) and has performed numerous Phase I and Phase II Environmental Site Assessments on residential, commercial, and industrial facilities throughout the northeast and mid-Atlantic regions. He has significant experience investigating and providing remedial oversight a variety of property types that are regulated by the New Jersey Department of Environmental Protection (NJ DEP), New York State Department of Environmental Conservation (NYS DEC), and New York City Office of Environmental Remediation (NYC OER), Connecticut Department of Energy and Environment (CT DEEP), and Pennsylvania Department of Environmental Protection (PA DEP).

## Project Experience

*Preliminary Assessment Report, Elmwood Park, NJ.* Mr. Reynics prepared a Preliminary Assessment Report of a former commercial dry-cleaning facility. The facility formerly utilized chlorinated solvents on-site from 1970 to 1985 and was constructed with interior floor drains which discharged to on-site drywells. The facility also formerly operated a dry-cleaning sludge underground storage tank. Historical investigations of the site revealed both on-site and off-site contamination of soil and groundwater.

*Preliminary Assessment Report, Ramsey, NJ.* Mr. Reynics prepared a portfolio of six Preliminary Assessment Reports of car dealerships for a prospective buyer. The dealership conducted maintenance activities onsite and were equipped with hydraulic lifts, oil/water separators, floor drains, and hazardous materials storage room.

*Preliminary Assessment Report, Kenilworth, NJ.* Mr. Reynics prepared a Preliminary Assessment Report to meet the requirements of the Industrial Site Recovery Act (ISRA) for a furniture manufacturing facility. The facility utilized various volatile organic chemical based, stains, lacquers, and cleaners and was connected to a former septic system and drywells.

*Preliminary Assessment Report, Elizabeth, NJ.* Mr. Reynics prepared a Preliminary Assessment Report at a warehouse facility for the bulk storage and distribution of regulated hazardous materials. The facility historically was developed with a rail spur and operated as a loading/unloading and storage facility for an oil refinery in the 1920s through the 1940s.

*Phase II Portfolio, UST Investigations, Pennsylvania & Maryland.* Mr. Reynics collected soil and groundwater samples around numerous heating oil USTs at several properties in Maryland and Pennsylvania as part of due diligence for a real estate transaction.



## Ryan Reynics

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*UST Removal, Bristol CT.* Mr. Reynics provided oversight during the removal of a leaking underground storage tank. The tank was located in close proximity to building foundation which added an extra layer of safety precaution. The leaking tank contaminated by soil and groundwater and required an extensive remediation excavation with de-watering.

*Site Investigation, Remedial Investigation and Action, Commercial Redevelopment, Union, New Jersey.* Mr. Reynics delineated PAH impacted soils via soil borings and facilitated the excavation of approximately 900-tons of impacted soil, telephone poles, and historic fill over two excavations from a redevelopment project in Union, NJ. Mr. Reynics also provided air monitoring (O<sub>2</sub>, CO<sub>2</sub>, H<sub>2</sub>S, and LEL) support during construction excavations for building footers and municipal sewer connection in the public right-of-way.

*Site Investigation, Parking Garage, Queens, New York.* Per NYC OER requirements, Mr. Reynics oversaw the installation of 13 borings for soils, groundwater and soil gas sampling. Additionally, Mr. Reynics collected two sub-slab soil gas samples and sampled three permanent groundwater monitoring wells previously installed.

*Brownfields Cleanup Program, Jackson Heights Shopping Center, Queens, New York.* This Site is developed with a shopping center containing an active dry cleaning facility. Mr. Reynics has performed multiple rounds of groundwater and indoor air sampling, as well as SSDS system installation oversight.

### Training

40-Hour HAZWOPER

OSHA 8-Hour HAZWOPER Refreshers, Current

OSHA 10 Hour Construction Safety

Montclair State University - New Jersey Regulatory Training in Underground Storage Tanks

### Education

Bachelor of Arts, Environmental Studies, Rowan University

### Contact

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