

Project No. ASF19-053-00  
May 24, 2019



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**RE: Phase I Environmental Site Assessment  
Proposed Property Acquisition  
48.575 Acres of Land  
Tract 2  
Mockford Survey No. 285  
New Braunfels, Comal County, Texas**

Dear Mr. Short:

**Raba Kistner Environmental, Inc. (RKEI)** is pleased to submit the attached Phase I Environmental Site Assessment (ESA-I) report for the above-referenced property. This report was prepared for New Braunfels Utilities (CLIENT), and may not provide adequate information for other purposes or parties. If other parties wish to rely on this report, please have them contact us so that a mutual understanding and agreement of the terms and conditions for our services can be established prior to their use of this information. Reliance on the information provided in this ESA-I report for the purposes of conducting "All Appropriate Inquiry" (AAI) is subject to the conditions in *ASTM E 1527-13 §4.6* describing the continued viability of an ESA-I.

We appreciate the opportunity to have been of professional service on this important project. Should there be any questions or additional information required, please contact our office at your earliest convenience.

Very truly yours,

**RABA KISTNER ENVIRONMENTAL, INC.**

  
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KWG/BDS/srw

Attachments

Copies submitted: Above (1 Electronic PDF Copy)

**PHASE I  
ENVIRONMENTAL SITE ASSESSMENT**

For

**PROPOSED ACQUISITION PROPERTY  
48.575 ACRES  
TRACT 2  
MOCKFORD SURVEY NO. 285  
NEW BRAUNFELS, COMAL COUNTY, TEXAS**

Prepared for

**NEW BRAUNFELS UTILITIES**  
New Braunfels, Texas

Prepared by

**RABA KISTNER ENVIRONMENTAL, INC.**  
San Antonio, Texas

**PROJECT NO. ASF19-053-00**

May 2019

## TABLE OF CONTENTS

1.0	EXECUTIVE SUMMARY .....	1
2.0	INTRODUCTION .....	3
2.1	Purpose .....	3
2.2	Scope of Services .....	3
2.3	Limitations and Exceptions of Assessment .....	3
2.4	Special Terms and Conditions .....	4
2.5	User Reliance .....	4
3.0	PROPERTY DESCRIPTION .....	6
3.1	Property Location .....	6
3.2	Legal Description .....	6
3.3	Current Use of Property .....	6
3.4	Description of Structures, Roads, or Other Improvements .....	6
3.5	Current Use of Adjacent Properties .....	6
4.0	USER PROVIDED INFORMATION .....	7
4.1	Environmental Liens .....	7
4.2	Activity and Land Use Limitations .....	7
4.3	Specialized Knowledge .....	7
4.4	Property Valuation Reduction .....	7
4.5	Commonly Known or Reasonable Ascertainable Information .....	7
4.6	Presence or Likely Presence of Contamination .....	7
5.0	RECORDS REVIEW .....	8
5.1	Physical Setting .....	8
5.1.1	Topography and Drainage .....	8
5.1.2	Soil Survey .....	8
5.1.3	Geology .....	8
5.1.4	Groundwater Depth and Movement .....	8
5.2	Historical Records .....	9
5.2.1	Historical Property Use .....	9
5.2.2	City Directories .....	9
5.2.3	Fire Insurance Maps .....	10
5.2.4	Historical Topographic Maps .....	10
5.2.5	Historical Use of Adjacent Properties .....	10
5.3	Standard Environmental Records Review .....	11
5.4	Additional Environmental Record Sources .....	11
5.5	Previous Environmental Reports .....	12
5.5.1	David Mckenzie et.al, October 28, 1995 .....	12
6.0	SITE RECONNAISSANCE .....	14
6.1	Methodology and Limiting Conditions .....	14
6.2	General Site Setting .....	14
6.2.1	Sewage Disposal System .....	14
6.2.2	Surface Stormwater Drainage .....	14
6.2.3	Potable Water Supply .....	14
6.2.4	Surface Water .....	14
6.2.5	Site Plan .....	14
6.3	Interior Observations .....	15
6.3.1	Heating and Cooling .....	15
6.3.2	Stains or Corrosion .....	15
6.3.3	Drains or Sumps .....	15

6.4	Exterior Observations .....	15
6.4.1	Pits, Ponds, or Lagoons .....	15
6.4.2	Stained Soils or Stressed Vegetation .....	15
6.4.3	Solid Waste Disposal .....	15
6.4.4	Process Wastewater .....	15
6.4.5	Wells .....	15
6.4.6	Septic Systems .....	15
6.4.7	Odors .....	16
6.4.8	Pools of Liquid .....	16
6.4.9	Underground and Above Ground Storage Tanks (UST/AST) .....	16
6.4.10	Drums .....	16
6.4.11	Hazardous Substance and Petroleum Products Containers .....	16
6.4.12	Known or Observed Usage of Hazardous Substances .....	16
6.4.13	Unidentified Substance Containers .....	16
6.4.14	Polychlorinated Biphenyls (PCBs) .....	16
6.4.15	Potential for On-site/Offsite Migration of Hazardous Materials or Petroleum Products .....	16
7.0	INTERVIEWS .....	17
7.1	Interview with Site Owner .....	17
7.2	Interviews with Local Government Officials .....	18
8.0	FINDINGS AND CONCLUSIONS .....	19
9.0	RECOMMENDATIONS .....	20
10.0	DATA GAPS .....	21
11.0	NON-SCOPE CONSIDERATIONS .....	22
12.0	REFERENCES .....	23
13.0	ENVIRONMENTAL PROFESSIONAL STATEMENT .....	24
14.0	PROFESSIONAL QUALIFICATIONS AND SIGNATURE PAGE .....	25

## **ATTACHMENTS**

Figure 1 – Area Location Map

Figure 2 – Topographic Map (USGS)

Figure 3 – Site Plan

Attachment A – Photographs of Site and Vicinity

Attachment B – User Questionnaire

Attachment C – Physical Setting Maps

Attachment D – Water Well Report

Attachment E – Historical Aerial Photographs

Attachment F – City Directory Report

Attachment G – Fire Insurance Map Report

Attachment H – Historical Topographic Maps

Attachment I – GeoSearch Radius Report

Attachment J – Oil & Gas Report

Attachment K - Previous Environmental Report



## 1.0 EXECUTIVE SUMMARY

As authorized by Mr. Mike Short with New Braunfels Utilities (CLIENT), **Raba Kistner Environmental, Inc. (RKEI)** has completed a Phase I Environmental Site Assessment (ESA-I) for a 48.575-acre vacant tract of land. The subject property is located in the west sector of New Braunfels at the terminus of Westpointe Drive in New Braunfels, Comal County, Texas; (hereinafter referred to as the SITE). The ESA-I was conducted on behalf of CLIENT in accordance with **RKEI Proposal Number PSF19-126-00**, dated April 18, 2019. The performance of this study was conducted in general accordance with procedures set forth in the following guidance document: *American Society of Testing and Materials (ASTM) Practice E 1527-13, Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The limitations and exceptions of this assessment are discussed on **Section 2.3** of this report.

At the time of the reconnaissance activities, **RKEI** observed the SITE as a vacant property improved with one vacant metal cabin. The findings and recommendations developed during this ESA-I are presented as follows:

- During SITE reconnaissance activities, **RKEI** did not observe evidence of the following: bulk storage of hazardous materials and/or petroleum products in underground or aboveground storage tanks (USTs/ASTs); process wastewater generation; oil or gas wells; hazardous material usage; stained soils or stressed vegetation; suspect polychlorinated biphenyls (PCBs) or other features on the SITE that would suggest potential *recognized environmental conditions (RECs)* associated with the SITE.
- A search of federal (U.S. Environmental Protection Agency [EPA]) and state (Texas Commission on Environmental Quality [TCEQ]) environmental regulatory databases by GeoSearch (an environmental database source), did not report any regulated facility findings within the standard 1.0-mile search radius of the SITE, as defined by the *ASTM Standard E 1527-13, All Appropriate Inquiry (AAI)*.
- Based on the collective information reviewed as part of this ESA-I study, there was no evidence that the subject property is currently under federal or state environmental enforcement action. **RKEI** found no evidence to suggest the subject property is subject to any environmental liens and/or activity and use limitations (AULs) that would affect the SITE from an environmental standpoint.
- The subject property reconnaissance and regulatory database review generally revealed no evidence of environmental contaminant *vapor intrusion, controlled, historical or recognized environmental conditions* associated with the subject property.
- **RKEI** identified the location of a previously mapped cave, by David McKenzie and others, known as the Coreth Bat Cave. According to a Texas Speleological Survey dated October 28, 1995 for the New Braunfels Independent School District (NBISD), the cave is approximately 69 feet in depth and 575 feet in length. The SITE including the cave is wholly encompassed within the Edwards Aquifer Recharge Zone (EARZ) based on official maps published by the Texas Commission on Environmental Quality (TCEQ).

- Based on the information developed as the result of ESA-I activities, no further environmental assessment activities are warranted for the SITE at this time; however, given the location of the SITE within the Edwards Aquifer Recharge Zone and the on-SITE location of Coreth Bat Cave, performance of a geologic assessment is recommended to evaluate potential impacts of planned construction activities pursuant to applicable Edwards Aquifer Protection Program (EAPP) rules as specified in *Title 30 of the Texas Administrative Code, Section 213 (30 TAC §213, effective April 24, 2008)*.

This executive summary is an overview only and should not be relied upon as the sole source of the reported results without first reading the full contents of this report, including attached materials.

## 2.0 INTRODUCTION

### 2.1 Purpose

This ESA-I was conducted to inform the CLIENT (*user*) regarding recognized past or current uses of hazardous substances or evidence of contaminants, as set forth within the scope of the *Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (42 U.S.C. §9601)*, in addition to petroleum products. The ESA-I process is generally intended to permit the *user* to satisfy one of the requirements to qualify for the *innocent landowner, contiguous property owner, or bona fide prospective purchaser* limitations to CERCLA liability a.k.a., “*landowner liability protections*,” or “*LLPs*”: That is, to provide documentation that “*appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice*” was conducted as defined in 42 USC § 9601(35) (B).

Information about the SITE regarding recognized past or current uses of hazardous substances or evidence of contaminants within the scope of CERCLA and petroleum products is reported herein and is subject to the limitations, terms, and conditions described in the following section.

### 2.2 Scope of Services

The ESA-I was conducted on behalf of CLIENT in accordance with ***RKEI Proposal Number PSF19-126-00, dated April 18, 2019***. The performance of this study was conducted in general accordance with procedures set forth in the following guidance document: *American Society of Testing and Materials (ASTM) Practice E 1527-13, Environmental Site Assessments: Phase I Environmental Site Assessment Process*. Specifically, the scope of work for the ESA-I include the following components as a minimum: (1) Interviews with past and present owners if ascertainable; (2) Interviews with local government officials; (3) Review of historical sources of information; (4) Review of federal, state, tribal, and local government records; (5) Site reconnaissance by an Environmental Professional; and (6) Report preparation.

### 2.3 Limitations and Exceptions of Assessment

The following key terms utilized in this ESA-I study report and defined in accordance with *ASTM E 1527-13* guidance. These terms are not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

- A *recognized environmental condition (REC)*, as defined by *ASTM*, is the presence or likely presence of *any hazardous substances or petroleum products on the SITE under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products* in, on, or at a property.
- A *controlled recognized environmental condition (CREC)* is a *REC* resulting from a *past release of hazardous substances or petroleum products* that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to

remain in place subject to the implementation of required land use controls, restrictions or limitations.

- A *historical recognized environmental condition (HREC)* is a past *release* of any *hazardous substances or petroleum products* that has occurred in connection with the project property and has been addressed to the satisfaction of the applicable regulatory authority. The SITE may also meet unrestricted land use criteria established by a regulatory authority, without subjecting the SITE to any required controls.
- *Vapor encroachment* is the likely presence of *chemical of concern (COC)* vapors in the vadose zone of the *target property* caused by the release of contaminated soil or groundwater either on or near the SITE.

In general, the ESA-I is a risk management process. It is intended to reduce environmental risk, not wholly eliminate it. The conclusions and recommendations of this ESA-I are based upon: (i) Research and evaluation of readily available and practically reviewable documents and databases; (ii) Interviews with persons knowledgeable about the SITE; and (iii) reconnaissance by an environmental professional. **RKEI** makes no warranty, expressed or implied, as to the accuracy or completeness of the information provided by the various governmental regulatory agencies and other referenced information sources used during this ESA-I. Other legal obligations with regard to hazardous substances or petroleum products discovered within the SITE are beyond the scope of work for this study. This ESA-I does not include environmental sampling or testing of any kind. Furthermore, the location or identification of undocumented buried tanks or concealed wastes, hidden conditions, and subsurface conditions are not included.

This assessment was conducted at the request of CLIENT utilizing methods and procedures consistent with good commercial or customary practices designed to conform to industry standards. The independent conclusions represent the best professional judgment of the Environmental Professional based on the conditions that existed and the information and the data available to **RKEI** during the course of this assignment. Factual information regarding operations, conditions and test data provided by CLIENT, owner, or their representative has been assumed to be correct and complete.

## 2.4 Special Terms and Conditions

No special terms or conditions were applicable to this ESA-I report.

## 2.5 User Reliance

This report, prepared on behalf of CLIENT, may not provide adequate information for other parties. If other parties wish to rely on this report, please have them contact us so that a mutual understanding and agreement of the terms and conditions for our services can be established prior to their use of this information. Reliance on the information and conclusions presented in this report by any other parties is not authorized by **RKEI**.

**RKEI** will not extend reliance or liability on the information provided in this ESA-I report beyond *ASTM E 1527's "shelf life"* requirements of one year unless an update assessment has been performed by **RKEI** after 180 days per *ASTM E 1527-13 §4.6* describing the continued viability of an ESA-I.

Moreover, due to requirements developed by the U.S. Small Business Administration (SBA) as a result of SOP50-10[5] effective June 2008 (revised March 2009), **RKEI** cannot extend reliance on the ESA-I report to the SBA or its development company loan programs (a.k.a. Certified Development Company [CDC]), should CLIENT seek funding through the SBA or its CDC under an SBA 7(a) and 504 loan program.

### 3.0 PROPERTY DESCRIPTION

#### 3.1 Property Location

As depicted on the Area Location Map (**Figure 1**), the SITE constitutes approximately 48.757 acres of vacant land located in the west sector of New Braunfels at the terminus of Westpointe Drive in New Braunfels, Comal County, Texas. The SITE is accessible from the north side of the property at the terminus of Westpointe Drive and along an unpaved access road to the south adjacent New Braunfels Utilities drinking water chlorination facility. Based on the review of official maps published by the TCEQ, the SITE is wholly located within the EARZ.

#### 3.2 Legal Description

According to the CAT 1A/TSPS Boundary Survey conducted by HMT Engineering and Surveying, the reported SITE legal description is identified as follows:

*TRACT 2, 48.575 ACRES, LOCATED IN THE WILLIAM MOCKFORD SURVEY NO. 285, A-393,  
AND THE S.A. & M.G. RAILROAD CO. SERVEY, A-590, COMAL COUNTY, TEXAS*

According to the records reviewed from the Comal County Appraisal district, via property search (<https://propaccess.trueautomation.com/mapSearch/?cid=56&p=73044>), SITE ownership is reported vested in New Braunfels ISD. No record of environmental lien or land use restrictions for the SITE was identified in the environmental regulatory database, **Section 5.3** of this ESA-I report.

#### 3.3 Current Use of Property

At the time of the reconnaissance activities, **RKEI** observed the SITE as a vacant real estate property.

#### 3.4 Description of Structures, Roads, or Other Improvements

**RKEI** observed the SITE as mostly unimproved with the exception of one vacant metal cabin structure near the center of the SITE. No other improvements were identified on the SITE.

Photographs taken during the SITE reconnaissance are provided as **Attachment A**.

#### 3.5 Current Use of Adjacent Properties

Observed use and condition of adjacent properties includes the following: vacant, undeveloped property to the north and east with a single-family residential community further north; New Braunfels Utilities drinking water chlorination facility to the south; and Cemex-Balcones Quarry to the west of the SITE. Evidence of *RECs* were not observed in connection with the adjacent properties.

#### **4.0 USER PROVIDED INFORMATION**

The purpose of the information is to describe tasks to be performed by the *user* that will assist in the identification of possible *recognized environmental conditions* in connection with the SITE. The *user* is defined by *ASTM E 1527-13* as: The party seeking to use Practice *E 1527* to complete an environmental site assessment of the property. A *user* may include, without limitation, a potential purchaser of *property*, a potential tenant of *property*, an *owner of property*, a lender, or a *property manager*. The *user* has specific obligations for completing a successful application of this Practice as defined in *ASTM E 1527-13 §6.0* describing the *user's* responsibilities.

An ASTM E 1527-13 *user* questionnaire was completed by Mr. Michael Short, Director of Water Services for New Braunfels Utilities, on May 21, 2019. A copy of the completed questionnaire is included as **Attachment B**.

#### **4.1 Environmental Liens**

The *user* is not aware of any environmental cleanup liens against the property that are filed or recorded under federal, state or local law.

#### **4.2 Activity and Land Use Limitations**

The *user* is not aware of Activity and Use Limitations (AULs), such as engineering controls, land use restrictions, or institutional controls that are in place at the SITE and/or have been filed or recorded in a registry under federal, state, or local law.

#### **4.3 Specialized Knowledge**

The *user* did not report specialized knowledge and experience for the SITE.

#### **4.4 Property Valuation Reduction**

The *user* did report that the purchase price for the SITE is reflective of the fair market value for the property.

#### **4.5 Commonly Known or Reasonable Ascertainable Information**

The *user* did not report to have reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of release or threat of release from hazardous material.

#### **4.6 Presence or Likely Presence of Contamination**

The *user* does not have reported knowledge of obvious indications of the presence or likely presence of contamination at the SITE.

## 5.0 RECORDS REVIEW

### 5.1 Physical Setting

#### 5.1.1 Topography and Drainage

According to the *2013 New Braunfels West, Texas Quadrangle United States Geological Survey (USGS) Topographic Map (Figure 2)*, the surface elevation of the SITE ranges approximately 880 feet to 910 feet above mean sea level with overall topographic relief gently sloping south.

The SITE is not located within the 100-year flood plain (Zone X) as depicted in the FEMA map provided in the GeoSearch *Physical Setting Maps Report (Attachment C)*. The SITE has a topographic plateau near the north corner, which allows stormwater drainage to flow in all directions. One shallow ephemeral drainage was observed near the west corner of the SITE entering two corrugated metal culverts under a perimeter road located on the south adjacent property.

#### 5.1.2 Soil Survey

According to the GeoSearch *Physical Setting Maps Report (Attachment C)*, the native, surficial soil for the SITE is mapped as Rumple-Comfort association, 1 to 8 percent slopes (map unit RUD). As described in the *USDA Web Soil Survey (<https://soilseries.sc.egov.usda.gov/osdname.aspx>)* the Rumple series consists of moderately deep, well drained, moderately slow permeable soils formed in residuum and colluvium derived from limestone. These gently to moderately sloping soils occur on backslopes of low hills on dissected plateaus. Thickness tends to range from 20 inches to 40 inches to the lithic contact.

#### 5.1.3 Geology

According to the GeoSearch *Physical Setting Maps Report (Attachment C)*, the underlying geologic formation is mapped as Edwards Limestone (map unit Ked). Ked lithology is dominantly a carbonate limestone with some fine-grained reformed dolostone and chert nodules. This formation is an important aquifer that provides freshwater much of south Texas. The Edwards is measured between 350-400 feet thick in which the upper part of the formation is argillaceous with even bed thickness and the lower part comprises more dolostone and chert containing various marine fossils. Karst features are prominent within this formation, specifically within the Balcones Fault Zone, which can provide direct access to the aquifer.

#### 5.1.4 Groundwater Depth and Movement

Occasionally, groundwater occurs in shallow, discontinuous or “perched” water-bearing units. These shallow water-bearing units are the groundwater zones most likely to be impacted by releases from underground storage tank systems or surface spills. Faulting within the Balcones Fault Zone can act as a barrier or a conduit for groundwater flow. In general, groundwater tends to mimic surface topography with influence towards area streams, creeks, rivers, etc. The general visible topographic grade of the SITE vicinity is sloping to the south-southwest.



According to the GeoSearch *Water Well Report (Attachment D)*, dated May 7, 2019, a total of ten water wells/soil borings were identified within a 0.5 mile radius of the SITE. Of the findings, no water wells were reported for the SITE or adjacent properties with the exception of the south adjacent New Braunfels drinking water chlorination plant. Four reported domestic supply water wells are owned and operated by New Braunfels Utilities and are further discussed in **Section 5.4** of this report.

## 5.2 Historical Records

The objective of the historical records review is to develop a history of the previous uses of the property and surrounding area to evaluate the likelihood of past uses having contributed to RECs in connection with the property.

### 5.2.1 Historical Property Use

RKEI reviewed available historical aerial photography (**Attachment E**) dated 1938, 1952, 1958, 1964, 1969, 1973, 1976, 1983, 1987, 1995, 2004, 2005, 2008, 2010, 2012, 2014, and 2016 to obtain information pertaining to historical uses of the SITE. A summary of these aerial photographs are as follows:

- 1938-1952: The SITE is depicted as vacant, undeveloped land with scattered tree cover.
- 1958-2004: The SITE is depicted as previously described with the exception of the appearance of a single cabin structure with one access path traversing the SITE from north to south.
- 2005-2016: The SITE is depicted as previously described with an increase in tree cover throughout the reviewed timeframe. Remanence of the unimproved access path is vaguely present.

Based on additional historical information evaluated during this ESA-I process, RECs were not identified for the SITE.

### 5.2.2 City Directories

City directories such as R. L. Polk & Co. and Cole Directory include year-by-year listings of property occupancy by address. A summary of the GeoSearch *City Directory Report* findings (**Attachment F**), dated May 7, 2019 for Westpointe Drive and Independence Drive includes commercial and residential listings starting in the year 2005, respectively, with no addresses listed prior. The findings are representative of developed land located on, adjacent, and in the vicinity of the SITE.

TABLE 1 – CITY DIRECTORIES (SIGNIFICANT FINDINGS)		
Year	Westpointe Drive	Independence Drive
2016	2745 – Mission Hill Apartments	1650 – Nexus Medical Consulting, LLC. 1672 – Wayland Baptist University 1776 – Shlotzsky's restaurant
	<u>Significant Findings:</u> None	<u>Significant Findings:</u> None

TABLE 1 – CITY DIRECTORIES (SIGNIFICANT FINDINGS)		
Year	Westpointe Drive	Independence Drive
2011	Street not listed  <b><u>Significant Findings:</u></b> None	1650 – Harrison Worldwide Enterprises; Scooter Storte Ltd. (Physicians and Surgeons equipment); and Teresa Wells  <b><u>Significant Findings:</u></b> None
2005	Street not listed  <b><u>Significant Findings:</u></b> None	1650 – The Scooter Store Green Bay LLC. 1672 – Autogas systems (software company)  <b><u>Significant Findings:</u></b> None
2001	Street not listed  <b><u>Significant Findings:</u></b> None	Street not listed  <b><u>Significant Findings:</u></b> None

Based on the city directory data, findings did not reveal any evidence of *RECs* for the SITE.

#### 5.2.3 Fire Insurance Maps

In the late nineteenth century, the Sanborn Company began preparing property usage maps for use by fire insurance companies primarily for properties located in urban and other populated areas. The *GeoSearch Fire Insurance Map Report (Attachment G)* dated May 7, 2019) reviewed during this ESA-I reported no coverage available for the SITE.

#### 5.2.4 Historical Topographic Maps

The *Historical Topographic Maps* for the SITE taken from 7.5-minute series topographic maps prepared by the U.S. Geologic Survey (*New Braunfels West, Texas Quadrangle*) dated May 7, 2019 (***Attachment H***) for the years 1958, 1958 photorevised 1973, 1988, and 2013 were reviewed during this ESA-I study for historical SITE usage. Although the maps are primarily representative of topography, their map legend occasionally includes structures/features on a property. According to the topographic maps reviewed by **RKEI**, the SITE and adjacent properties are not depicted with any map legend markings denoting potential features of environmental concern (i.e. gravel pits, landfill, or mining) with the exception of the south of the property, which depicts large quarry activity since the 1958 topographic map. Based on distance and downgradient orientation to the SITE, impact from this source is considered unlikely.

#### 5.2.5 Historical Use of Adjacent Properties

**RKEI** reviewed available historical aerial photography dated 1938, 1952, 1958, 1964, 1969, 1973, 1976, 1983, 1987, 1995, 2004, 2005, 2008, 2010, 2012, 2014, and 2016 to obtain information pertaining to historical uses of the SITE adjacent properties. A summary of these findings are as follows:

TABLE 2 – HISTORICAL AERIAL PHOTOGRAPHS				
Year	North	South	East	West
1938-2012	Vacant land	Vacant land	The east adjacent property is depicted as vacant land with a stock pond.	Vacant land
2014	Same as above	The south adjacent property depicts construction activity by the appearance of dirt access roads and an equipment staging area.	The east adjacent property appears with a dirt access road along the east border of the SITE. Westpointe Drive is appears.	The west adjacent property appears with the perimeter fence line cleared of trees.
2016	Same as above	The south adjacent property appears as a completed drinking water chlorination facility with four circular gravel pads for water wells.	Same as above	Same as above

Additional historical records (i.e., city directories and topographic maps) were reviewed to obtain information pertaining to historical uses of the SITE adjacent properties. Based on the records reviewed, the adjacent properties are not considered a potential *REC* for the SITE.

### 5.3 Standard Environmental Records Review

The objective of the environmental regulatory agency database review is to obtain and review records that will help identify *RECs* in connection with the SITE. The environmental regulatory database search was performed by GeoSearch. A *Findings Map* and GeoSearch *Radius Report* are presented in **Attachment I**. This report meets the government records search requirement of *ASTM E 1527-13, All Appropriate Inquiry (AAI)*. The *Radius Report* dated May 7, 2019 did not identify any regulatory findings within one-mile radius of the SITE.

### 5.4 Additional Environmental Record Sources

During the course of this ESA-I study, **RKEI** supplemented the standard environmental record sources by reviewing reasonably ascertainable records on May 7, 2019 pertaining to the SITE and adjacent properties:

Water Supply and Monitoring Wells: According to Texas Water Development Board's *Water Information Integration and Dissemination* website at <http://www2.twdb.texas.gov/apps/WaterDataInteractive/GroundWaterDataViewer> and the GeoSearch Water Well report, no water supply and/or monitoring wells are reported on the SITE or

adjacent properties with the exception of the south adjacent property. Four public supply water wells are owned by New Braunfels Utilities and are identified as follows:

- Public supply well #1 (TX353695), well completed in February 7, 2014 to a depth of 520 feet bgs, static water level was measured at 265 feet bgs.
- Public supply well #2 (TX353699), well completed in February 7, 2014 to a depth of 620 feet bgs, static water level was measured at 260 feet bgs.
- Public supply well #3 (TX359175), well completed in April 10, 2014 to a depth of 520 feet bgs, static water level was measured at 263 feet bgs.
- Public supply well #4 (TX367180), well completed in June 25, 2014 to a depth of 620 feet bgs, static water level was measured at 263 feet bgs.

Oil Well, Gas Wells, and Pipelines: According to Texas Railroad Commission map records available online at <http://www.gisp.rrc.state.tx.us/GISViewer2/>, no gas or oil wells are mapped on or adjacent to the SITE. This database is updated on a daily basis. In addition, the GeoSearch *Oil & Gas Report (Attachment J)* dated May 3, 2019 did not identify any oil or natural gas wells on the SITE or adjacent properties.

Closed Landfill Inventory: According to the *Closed Landfill Inventory* published by the Alamo Area Council of Governments (AACOG) at [www.aacog.com](http://www.aacog.com), accessed May 3, 2019, no unpermitted landfills are located on, or within the SITE vicinity.

## 5.5 Previous Environmental Reports

RKEI reviewed file information pertaining to previous environmental studies performed by Furgo-McClelland dated October 28, 1995 and prepared for New Braunfels Independent School District. This document was made available by Mr. Daryl Stoker, NBISD Director of Facilities Management, (**Attachment K**) and included hand-drawn map location and cross-section profile of the Coreth Bat Cave located on the SITE. The document is identified below:

David McKenzie, Bill Russel, James Reddell, Marcelino Reyes, and David Mason, October 28, 1995.  
*Coreth Bat Cave, New Braunfels West Quadrangle, Comal County, Texas, Texas Speleological Survey.*

A synopsis of pertinent information obtained from our review of existing file information is presented in the following section.

### 5.5.1 David McKenzie et.al, October 28, 1995

The Coreth Bat Cave (also known as R.R. Coreth Caverns) has been known to the speleological community for an extensive period of time. The cave was visited by David McKenzie, Bill Russel, James Reddell, Marcelino Reyes, and David Mason on October 28, 1995 to conduct a biological study and map the extent of the cave.

According to the preliminary summary provided, Mr. Bill Russel writes that considerable evidence of past extensive bat population is evident; however, there is no evidence of recent habitation by bats. Mr. Russel presumes that due to the dense vegetation cover, the bats are unable to return to the cave.

The biological study reviled 14 invertebrate fauna species, none of which are known as endangered or petitioned for listing. The cave was measured to a depth of 69 feet and extended 575 feet in length. Mr. Russel recommended that the vegetation be cleared from above and around the entrance sink in order to allow bats to return to the cave.

During SITE reconnaissance activities, **RKEI** located the cave entrance from the hand-drawn map illustrating the location. The location of the cave is identified in **Figure 3 – Site Plan**.

## 6.0 SITE RECONNAISSANCE

The objective of reconnaissance activities is to obtain information indicating the likelihood of identifying *recognized environmental conditions* in connection with the SITE.

### 6.1 Methodology and Limiting Conditions

Kyle Gillespie of **RKEI**, meeting the requirements per *ASTM Practice E 1527-13* for an environmental professional, conducted SITE reconnaissance activities on May 3, 2019. The SITE and its perimeter were traversed by foot while the surrounding area of was observed on foot and from a vehicle.

**RKEI** did not encounter SITE access limitations imposed by physical obstructions, such as adjacent buildings, bodies of water, asphalt, or other paved areas, and limiting conditions (e.g., adverse weather conditions).

### 6.2 General Site Setting

#### 6.2.1 Sewage Disposal System

The SITE area is serviced by City of New Braunfels Water Systems for sanitary sewage disposal.

#### 6.2.2 Surface Stormwater Drainage

During reconnaissance activities it appears that the SITE contains a topographic plateau near the north corner. This allows for surface drainage to flow in all directions. Surface stormwater east of the plateau flows to an ephemeral drainage ultimately discharging into the Cemex Balcones Quarry. Surface stormwater west of the plateau will flow southwest to an ephemeral drainage ultimately discharging into the Dry Comal Creek to the south.

#### 6.2.3 Potable Water Supply

**RKEI** understands that potable water is supplied to the SITE area, by New Braunfels Utilities, a State approved potable water purveyor.

#### 6.2.4 Surface Water

**RKEI** did not observe any creeks, streams, or surface water impoundments on the SITE.

#### 6.2.5 Site Plan

A Site Plan is superimposed on a January 2018 *Google Earth* aerial image in **Figure 3**, depicting SITE conditions as observed during May 3, 2019 reconnaissance activities.

### **6.3 Interior Observations**

#### **6.3.1 Heating and Cooling**

**RKEI** observed one vacant metal cabin structure on the property. Half of the structure appeared to be built on a concrete foundation with the other half of the cabin observed with a wood floor. The interior of the structure hosted disintegrating bedding mattresses, kitchen cabinetry, and an old kitchen range/oven. No modern heating or air conditioning equipment was observed.

#### **6.3.2 Stains or Corrosion**

**RKEI** observed no stains or corrosion associated with the cabin.

#### **6.3.3 Drains or Sumps**

**RKEI** did not observe plumbing associated with the cabin.

### **6.4 Exterior Observations**

#### **6.4.1 Pits, Ponds, or Lagoons**

Evidence of pits, ponds, or lagoons were not observed nor identified in connection with waste disposal or waste treatment on the SITE.

#### **6.4.2 Stained Soils or Stressed Vegetation**

Evidence of stained soils or stressed vegetation as a result of a release of hazardous materials and/or petroleum products was not observed on the SITE.

#### **6.4.3 Solid Waste Disposal**

No evidence of areas apparently filled or graded by non-natural causes suggesting solid waste disposal were observed on the SITE.

#### **6.4.4 Process Wastewater**

Process wastewater was not observed on the SITE.

#### **6.4.5 Wells**

No wells were observed on the SITE.

#### **6.4.6 Septic Systems**

**RKEI** neither observed nor identified any onsite septic systems or cesspools.

#### 6.4.7 Odors

Strong, pungent, or noxious odors were not identified on the SITE.

#### 6.4.8 Pools of Liquid

**RKEI** did not observe any pools of liquid on the SITE.

#### 6.4.9 Underground and Above Ground Storage Tanks (UST/AST)

USTs and ASTs were not observed on the SITE.

#### 6.4.10 Drums

**RKEI** observed three, empty and rusted 55-gallon drums. There is no evidence of soil staining around barrels. No hazardous waste was observed in or labeled on the drums. It appears these drums were used from household trash.

#### 6.4.11 Hazardous Substance and Petroleum Products Containers

**RKEI** did not observe hazardous substance and/or petroleum product containers on the SITE.

#### 6.4.12 Known or Observed Usage of Hazardous Substances

Observed usage of hazardous substances was not identified on the SITE during reconnaissance activities.

#### 6.4.13 Unidentified Substance Containers

**RKEI** did not observe any unidentified substance containers on or about the SITE during the reconnaissance.

#### 6.4.14 Polychlorinated Biphenyls (PCBs)

Electrical transformers are a potential source of environmental concern due to the potential presence of polychlorinated biphenyls (PCBs) contained in dielectric fluids used in some units. Three pole-mounted transformers were observed on the south adjacent property along the southeast border of the SITE. These transformers appeared in good working condition with no signs of leakage of interior fluids.

#### 6.4.15 Potential for On-site/Offsite Migration of Hazardous Materials or Petroleum Products

**RKEI** did not observe any visual or documented evidence of migration of hazardous substances or petroleum hydrocarbons from the SITE.



## 7.0 INTERVIEWS

The objective of interviews is to obtain information that may indicate *RECs* in connection with the SITE. This section includes information obtained from verbal discussions with individuals and organizations familiar with the SITE.

### 7.1 Interview with Site Owner

During this ESA-I process an owner interview was completed by SITE owner representative, Mr. Daryl Stoker, NBISD Director of Facilities Management, on May 13, 2019. A brief summarization of the interview is described as follows:

- How long has the SITE been under current ownership?  
***"Since December of 1995."***
- What has the SITE been utilized for under current ownership?  
***"Vacant land."***
- What condition (e.g., developed, undeveloped) was the SITE when acquired?  
***"The same current condition."***
- What was the prior use of the property before it was in your possession?  
***"Assumed agricultural."***
- Has the SITE been subject to AST's or UST's for water/oil/gas/hazardous material?  
***"No."***
- Do you know of any environmental enforcement actions pertaining to the property (liens/land use restrictions)?  
***"No."***
- Are there or have there been any hazardous materials stored on SITE?  
***"No."***
- Do you know of any hazardous spills or environmental concerns on adjacent properties?  
***"No."***
- Are there any water wells on the property? If so where are they? What are their uses?  
***"No."***
- Do you know of any information related to the environmental condition of the SITE?  
***"There is a presumed cave on the property; however, combined efforts of NBISD and TCEQ have not successfully located the cave opening."***

Based on the interview with Mr. Roger Joseph, potential *RECs* for the SITE were not identified; however, the presumed cave was located during SITE reconnaissance, identified in **Figure 3**, and discussed in section the previous reports provides by the landowner in **Section 5.5.1**.

## **7.2 Interviews with Local Government Officials**

On March 1, 2019 **RKEI** contacted the City of New Braunfels Open Government via email public information request to determine if the SITE has been subject to any adverse environmental conditions. As of the date of this report, response from the City of New Braunfels has not been received.

## 8.0 FINDINGS AND CONCLUSIONS

**RKEI** performed an ESA-I for an approximate 48.757 acres of vacant land located in the west sector of New Braunfels at the terminus of Westpointe Drive in New Braunfels, Comal County, Texas. The findings and recommendations developed during this ESA-I are presented as follows:

- During SITE reconnaissance activities, **RKEI** did not observe evidence of the following: bulk storage of hazardous materials and/or petroleum products in underground or aboveground storage tanks (USTs/ASTs); process wastewater generation; oil or gas wells; hazardous material usage; stained soils or stressed vegetation; suspect polychlorinated biphenyls (PCBs) or other features on the SITE that would suggest potential *recognized environmental conditions (RECs)* associated with the SITE.
- A search of federal (U.S. Environmental Protection Agency [EPA]) and state (Texas Commission on Environmental Quality [TCEQ]) environmental regulatory databases by GeoSearch (an environmental database source), did not report any regulated facility findings within the standard 1.0-mile search radius of the SITE, as defined by the *ASTM Standard E 1527-13, All Appropriate Inquiry (AAI)*.
- Based on the collective information reviewed as part of this ESA-I study, there was no evidence that the subject property is currently under federal or state environmental enforcement action. **RKEI** found no evidence to suggest the subject property is subject to any environmental liens and/or activity and use limitations (AULs) that would affect the SITE from an environmental standpoint.
- The subject property reconnaissance and regulatory database review generally revealed no evidence of environmental contaminant *vapor intrusion, controlled, historical or recognized environmental conditions* associated with the subject property.
- **RKEI** identified the location of a previously mapped cave, by David McKenzie and others, known as the Coreth Bat Cave. According to a Texas Speleological Survey dated October 28, 1995 for the New Braunfels Independent School District (NBISD), the cave is approximately 69 feet in depth and 575 feet in length. The SITE including the cave is wholly encompassed within the Edwards Aquifer Recharge Zone (EARZ) based on official maps published by the Texas Commission on Environmental Quality (TCEQ).

## **9.0 RECOMMENDATIONS**

Based on the information developed as the result of ESA-I activities, no further environmental assessment activities are warranted for the SITE at this time; however, given the location of the SITE within the Edwards Aquifer Recharge Zone and the one-SITE location of Coreth Bat Cave, performance of a geologic assessment is recommended to evaluate potential impacts of planned construction activities pursuant to applicable Edwards Aquifer Protection Program (EAPP) rules as specified in Title 30 of the Texas Administrative Code, Section 213 (30 TAC §213, effective April 24, 2008).

## **10.0 DATA GAPS**

A *data gap* per *ASTM E 1527-13* constitutes a lack of or inability to obtain information required by the ESA-I process despite good faith efforts by the Environmental Professional to gather such information. No *data gaps* were experienced during this ESA-I process.

## **11.0 NON-SCOPE CONSIDERATIONS**

Non-scope considerations (i.e., air quality, asbestos, cultural resources, mold, lead-based paint, waters of the U.S., etc.) per *ASTM Standard E 1527-13 §13.1.5* were not addressed as part of this ESA-I study effort.

## 12.0 REFERENCES

The following documents, maps, or other publications may have been utilized specifically in the preparation of this Phase I Environmental Site Assessment report or generally in the development of the report format. References to specific documents are also provided in appropriate sections of this report.

- American Society for Testing and Materials (ASTM). 2013. *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, Designation E 1527-13*.
- City of New Braunfels Open Government. *Online Public Information Request* via email on March 1, 2019).
- Comal County Appraisal District. Property search, <https://propaccess.trueautomation.com/clientdb/?cid=56>, (accessed March 15, 2019).
- David McKenzie, Bill Russel, James Reddell, Marcelino Reyes, and David Mason, October 28, 1995. *Coreth Bat Cave, New Braunfels West Quadrangle, Comal County, Texas, Texas Speleological Survey*.
- GeoSearch. May 7, 2019. *Radius Report with GeoPlus*.
- Google Earth. January 2018. *Site Plan*.
- Texas Commission on Environmental Quality. Edwards Aquifer Viewer, <https://tceq.maps.arcgis.com/apps/webappviewer/>, (accessed May 15, 2019).
- Texas Railroad Commission. *Oil & Gas Well Database*. <http://www.qisp.rrc.state.tx.us/GISViewer2/>, (accessed May 3, 2019).
- Texas Water Development Board. *Online water well database*. <http://www2.twdb.texas.gov/apps/WaterDataInteractive/GroundWaterDataViewer>, (accessed May 3, 2019).
- United States Department of Agriculture National Resource Conservation Service. *Web Soil Survey*. <http://websoilsurvey.nrcs.usda.gov/app/>, (May 3, 2019).
- United States Geological Survey. *Geology Description*. <https://mrdata.usgs.gov/geology/state/sqmc-unit.php?unit=TXQbc%3B0>, (accessed May 3, 2019).

### **13.0 ENVIRONMENTAL PROFESSIONAL STATEMENT**

The environmental professionals that performed the ESA-I declare 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*, and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the SITE. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in *CFR Part 312*.



#### 14.0 PROFESSIONAL QUALIFICATIONS AND SIGNATURE PAGE

**RKEI** is a multi-disciplined engineering and consulting firm with over forty years of experience in the areas of environmental assessments, environmental audits, hazardous waste site restoration, environmental compliance and permitting, geological assessments, geotechnical evaluations, petroleum storage tank site monitoring and remediation, and wastewater monitoring. **RKEI** has been involved with thousands of environmental assessments and remediation projects throughout Texas.

Kyle Gillespie is the Environmental Geologist that performed this ESA-I report and Brian D. Strye provided peer review and oversight. Mr. Gillespie has a Bachelor of Science degree in Geology and is pursuing a Master of Science at the University of Texas San Antonio. He is trained in air quality monitoring, asbestos/lead-based paint surveying, and other risk-based assessments. Mr. Strye has a Master of Science degree in Environmental Science and has over twenty years of direct environmental consulting experience, which includes performance and oversight of ESA-I projects.

The environmental professionals that performed this ESA-I represent that, to the best of their knowledge, the statements and facts in this ESA-I are true and correct and, to the best of the assessor's knowledge, no material facts have been suppressed or misstated.



Kyle W. Gillespie, B.S.  
Environmental Geologist

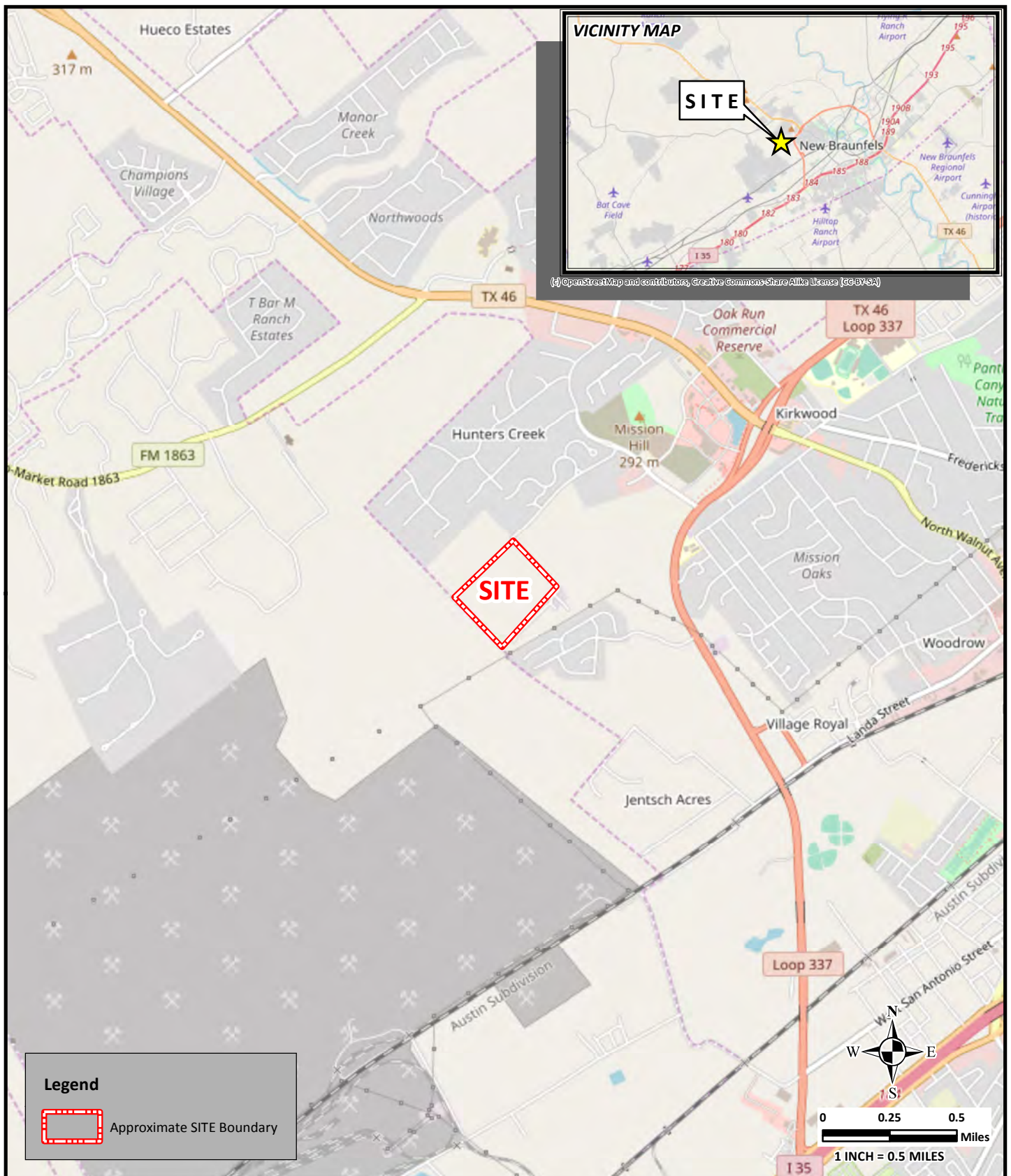


Brian D. Strye, M.S.  
Environmental Project Manager

## **ATTACHMENTS**

**FIGURE 1**

**AREA LOCATION MAP**



Raba Kistner Environmental, Inc.  
12821 West Golden Lane  
San Antonio, Texas 78249

www.rkci.com

P 210 :: 699 :: 9090

F 210 :: 699 :: 6426

TBPE Firm F-3257 / TBPG Firm #50220

## AREA LOCATION MAP

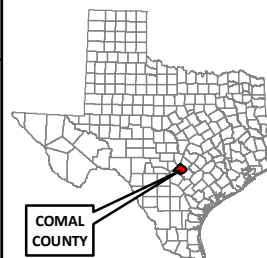
PHASE I ESA

PROPOSED PROPERTY ACQUISITION

48.575 ACRES OF LAND

TRACT 2 - MOCKFORD SURVEY No. 285

NEW BRAUNFELS, COMAL COUNTY, TEXAS



PROJECT No.:

ASF19-053-00

ISSUE DATE: 05-24-19

DRAWN BY: LAW

CHECKED BY: KWG

REVIEWED BY: BDS

**FIGURE**

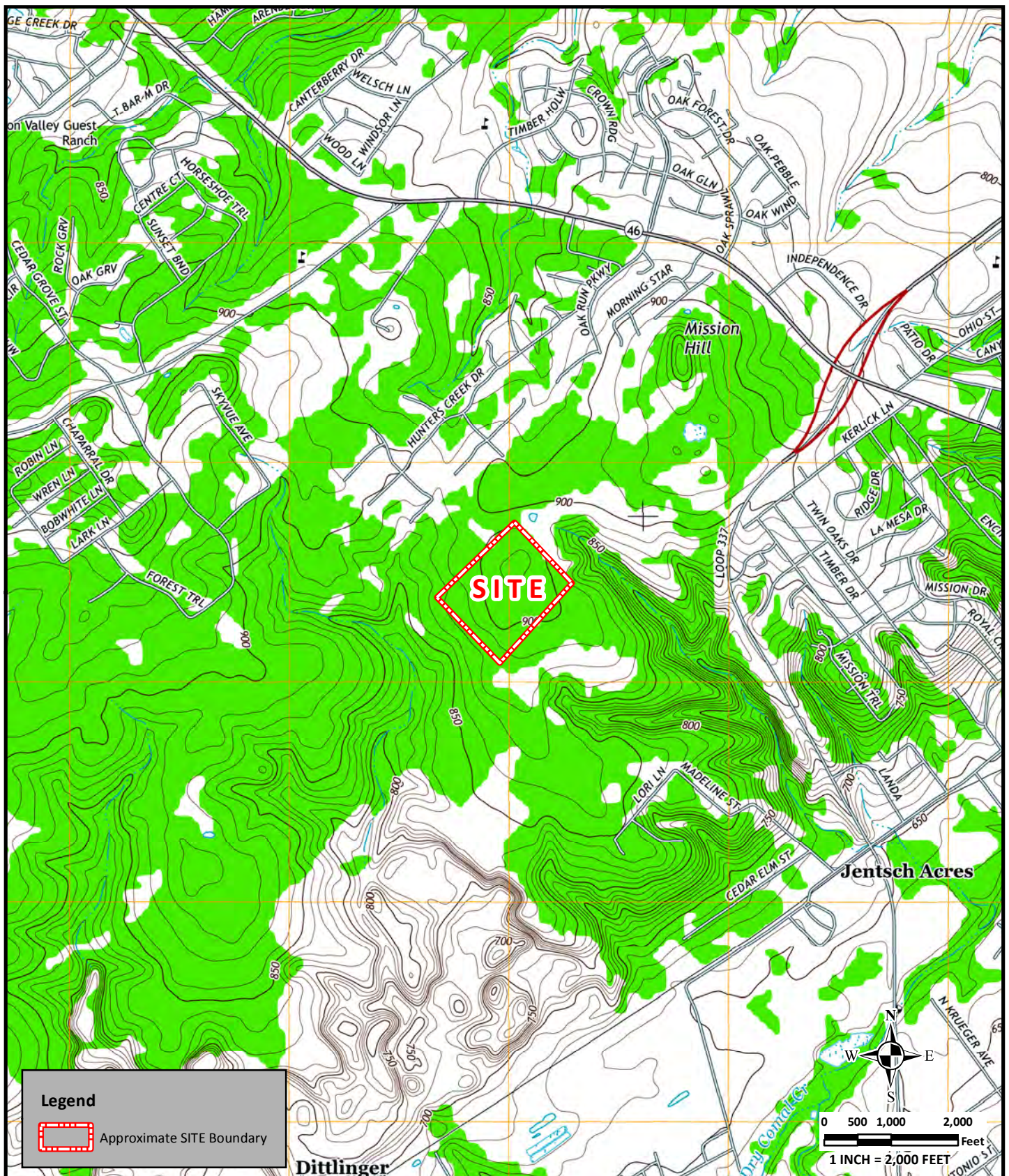
**1**

NOTE: This Drawing is Provided for Illustration Only, May Not be to Scale and is Not Suitable for Design or Construction Purposes

**FIGURE 2**

**TOPOGRAPHIC MAP (USGS)**





**50 YEARS RABA KISTNER**  
Building Better Tomorrows  
Raba Kistner Environmental, Inc.  
12821 West Golden Lane  
San Antonio, Texas 78249  
www.rkci.com  
P 210 :: 699 :: 9090  
F 210 :: 699 :: 6426  
TBPE Firm F-3257 / TBPG Firm #50220

SOURCE: University of Texas, Perry-Castañeda Library Map Collection, USGS Topographic 7.5 Minute Quadrangle, New Braunfels West - 2013.

## TOPOGRAPHIC MAP (USGS)

PHASE I ESA

PROPOSED PROPERTY ACQUISITION

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### REVISIONS:

No.	DATE	DESCRIPTION

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ISSUE DATE: 05-24-19

DRAWN BY: LAW

CHECKED BY: KWG

REVIEWED BY: BDS

### FIGURE

**2**

NOTE: This Drawing is Provided for Illustration Only, May Not be to Scale and is Not Suitable for Design or Construction Purposes



**FIGURE 3**

**SITE PLAN**



Raba Kistner Environmental, Inc.  
12821 West Golden Lane  
San Antonio, Texas 78249

www.rkci.com

P 210 :: 699 :: 9090

F 210 :: 699 :: 6426

TBPE Firm F-3257 / TBPG Firm #50220

## SITE PLAN

### PHASE I ESA

PROPOSED PROPERTY ACQUISITION

48.575 ACRES OF LAND

TRACT 2 - MOCKFORD SURVEY No. 285

NEW BRAUNFELS, COMAL COUNTY, TEXAS

#### REVISIONS:

No.	DATE	DESCRIPTION

#### PROJECT No.:

ASF19-053-00

ISSUE DATE: 05-24-19

DRAWN BY: LAW

CHECKED BY: KWG

REVIEWED BY: BDS

#### FIGURE

**3**

NOTE: This Drawing is Provided for Illustration Only, May Not be to Scale and is Not Suitable for Design or Construction Purposes



**ATTACHMENT A**

**PHOTOGRAPHS OF SITE AND VICINITY**



**Photo 1.** View of SITE from the northwest corner.



**Photo 2.** View of SITE from the southeast corner.



**Photo 3.** View of SITE from the southwest corner.



**Photo 4.** View of SITE from the northwest corner. View to the east.





**Photo 5.** Coreth Bat Cave located in the northeast portion of the SITE. View to the northeast.



**Photo 6.** Metal structure near the south-central portion of the SITE.



**Photo 7.** Interior view of metal structure.



**Photo 8.** Interior view of the back portion of the metal structure.





**Photo 9.** Miscellaneous debris north of the metal structure.



**Photo 10.** 55-gallon drum west of the metal structure.



**Photo 11.** 55-gallon drum south the metal structure.



**Photo 12.** Northwest adjacent property (Westpointe Drive with residential beyond).

Photographs were taken on 5/3/19.





**Photo 13.** South adjacent property (New Braunfels Utilities property).



**Photo 14.** Pole-mounted electrical transformers on the south adjacent property.



**Photo 15.** Aboveground storage tanks on the south adjacent property.



**Photo 16.** Backup generator on the south adjacent property. Note water well.

Photographs were taken on 5/3/19.



**Photo 17.** Water well on the south adjacent property.



**Photo 18.** East adjacent property (Cemex Balcones Quarry).

Photographs were taken on 5/3/19.

**ATTACHMENT B**

**USER QUESTIONNAIRE**



# ASTM E 1527-13 Phase I Environmental Site Assessment

## USER QUESTIONNAIRE

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "*Brownfields Amendments*"), the user must provide the following information to the Environmental Professional for the property (SITE). Failure to provide this information could result in a determination that "*All Appropriate Inquiry*" is not complete.

1. **Environmental cleanup liens that are filed or recorded against the property (40 CFR 312.25).**  
Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law? YES NO
2. **Activity and land use limitations that are in place on the SITE or that have been filed or recorded in a registry (40 CFR 312.26 (a)(1)(v) and (vi)).**  
Are you aware of any activity and land use limitations, such as engineering controls, land use restrictions or institutional controls that are in place for the property and/or have been filed or recorded in a registry under federal, tribal, state or local law? YES NO
3. **Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28).**  
As the user of this ESA, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or adjacent properties so that you would have specialized knowledge of the chemicals and processes used by this type of business? YES NO
4. **Relationship of the purchase price to the fair market value of the property if it were not contaminated (40 CFR 312.29).**  
Does the purchase price being paid for this property reasonably reflect the fair market value of the property? YES NO NA  
If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property? YES NO NA
5. **Commonly known or reasonably ascertainable information about the property (40 CFR 312.30)**  
Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? YES NO  
For example, as user,
  - (a.) Do you know past uses of the property? YES NO
  - (b.) Do you know of specific chemicals that are present or once were present at the property?  
YES NO
  - (c.) Do you know of spills or other chemical releases that have taken place at the property?  
YES NO
  - (d.) Do you know of any environmental cleanups that have taken place at the property?  
YES NO
6. **The degree of obviousness of the presence or likely presence of contamination at the property and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).**  
As the user of this ESA, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?  
YES NO

**Note:** The *user* is defined by ASTM E 1527-13 as: The party seeking to use Practice E 1527 to complete an environmental site assessment of the property. A *user* may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager. The *user* has specific obligations for completing a successful application of this Practice as defined in ASTM E1527-13 §6.0 describing the *user's* responsibilities.

USER: \_\_\_\_\_

DATE: \_\_\_\_\_



**ATTACHMENT C**

**PHYSICAL SETTING MAPS**

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## ***GeoPlus Physical Setting Maps***

---

[Satellite view](#)

*Target Property:*

**NBU ESA  
3295 Westpointe Dr  
New Braunfels, Comal County, Texas 78132**

*Prepared For:*

**Raba Kistner Environmental-San Antonio**

**Order #: 125959**

**Job #: 292182**

**Project #: ASF19-053-00**

**Date: 05/07/2019**

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## Table of Contents

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<i>Target Property Summary</i> . . . . .	1
<i>FEMA Map</i> . . . . .	2
<i>FEMA Report</i> . . . . .	3
<i>NWI Map</i> . . . . .	4
<i>NWI Report</i> . . . . .	5
<i>SOIL Map</i> . . . . .	6
<i>SOIL Report</i> . . . . .	7
<i>GEOLOGY Map</i> . . . . .	8
<i>GEOLOGY Report</i> . . . . .	9

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## Disclaimer

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[www.geo-search.com](http://www.geo-search.com) 888-396-0042

## Target Property Summary

### **Target Property Information**

NBU ESA

3295 Westpointe Dr

New Braunfels, Texas 78132

#### **Coordinates**

Area centroid (-98.173223, 29.7051968)

912 feet above sea level

#### **USGS Quadrangle**

New Braunfels West, TX

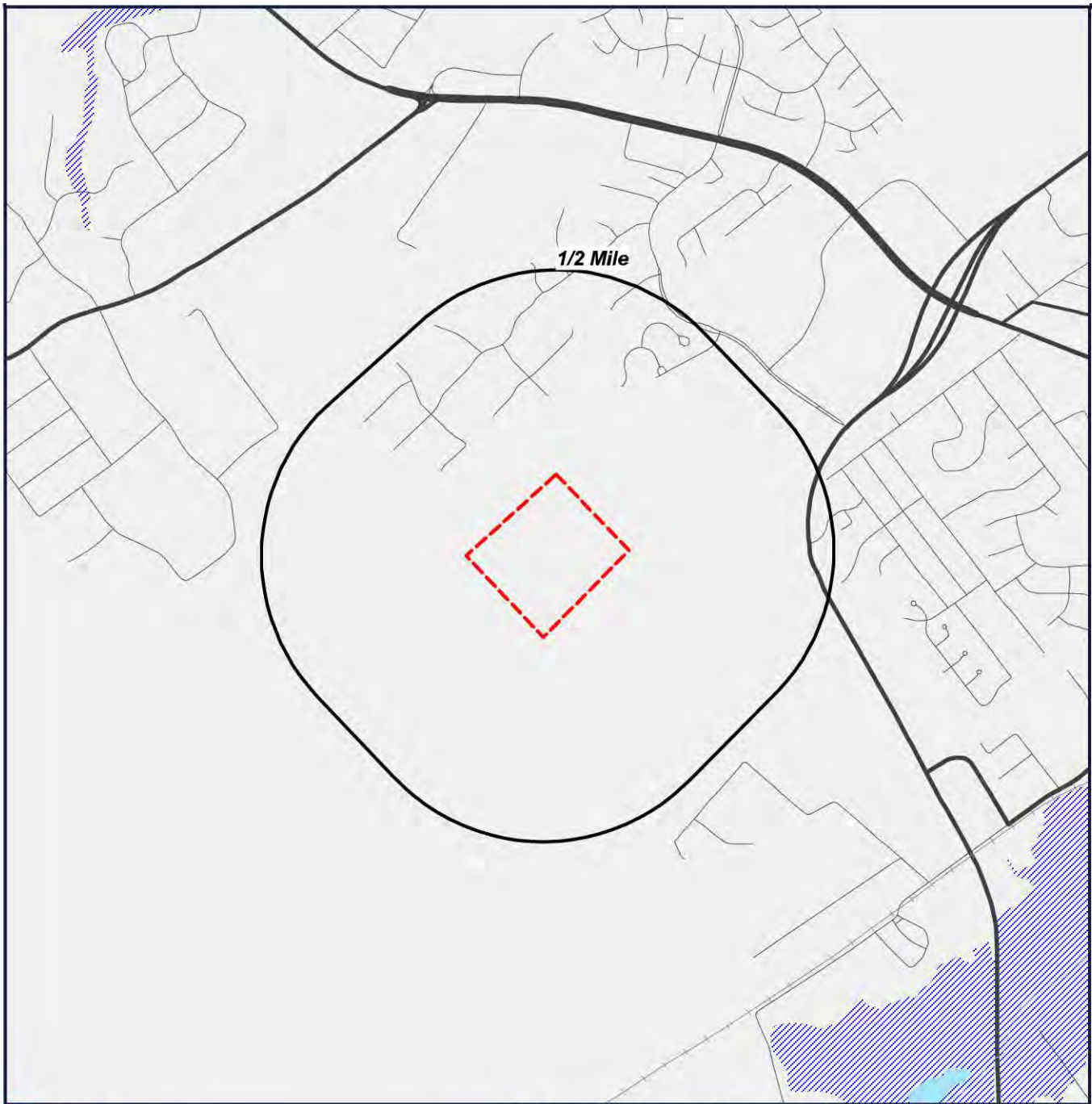
### **Geographic Coverage Information**

**County/Parish:** Comal (TX)

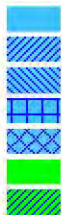
**ZipCode(s):**

New Braunfels TX: 78130, 78132

# FEMA Map



Target Property (TP)



ZONE A  
ZONE AE  
ZONE AH  
ZONE A0  
ZONE AR  
ZONE V  
ZONE VE



ZONE D  
ZONE X  
AREA NOT INCLUDED  
OPEN WATER  
NDA - DIGITAL DATA NOT AVAILABLE

**NBU ESA**  
**3295 Westpointe Dr**  
**New Braunfels, Texas**  
**78132**

Letter of map revision date: 04/25/2019  
Latest study effective date: 04/05/2019  
Panel #: 48091C0190F



0' 1000' 2000' 3000'  
SCALE: 1" = 2000'

[Click here to access Satellite view](#)

# FEMA Report

## FEMA - Federal Emergency Management Agency

The National Flood Hazard Layer (NFHL) data used in this report is derived from the Federal Emergency Management Agency. The NFHL dataset is a compilation of effective Flood Insurance Rate Map (FIRM) databases (a collection of the digital data that are used in GIS systems for creating new Flood Insurance Rate Maps) and Letters of Map Change (Letters of Map Amendment and Letters of Map Revision only) that create a seamless GIS data layer for United States and its territories. The NFHL is updated as new study or LOMC data becomes effective. Note: Currently, not all areas have modernized FIRM database data available. As a result, users may need to refer to the effective Flood Insurance Rate Map for effective flood hazard information.

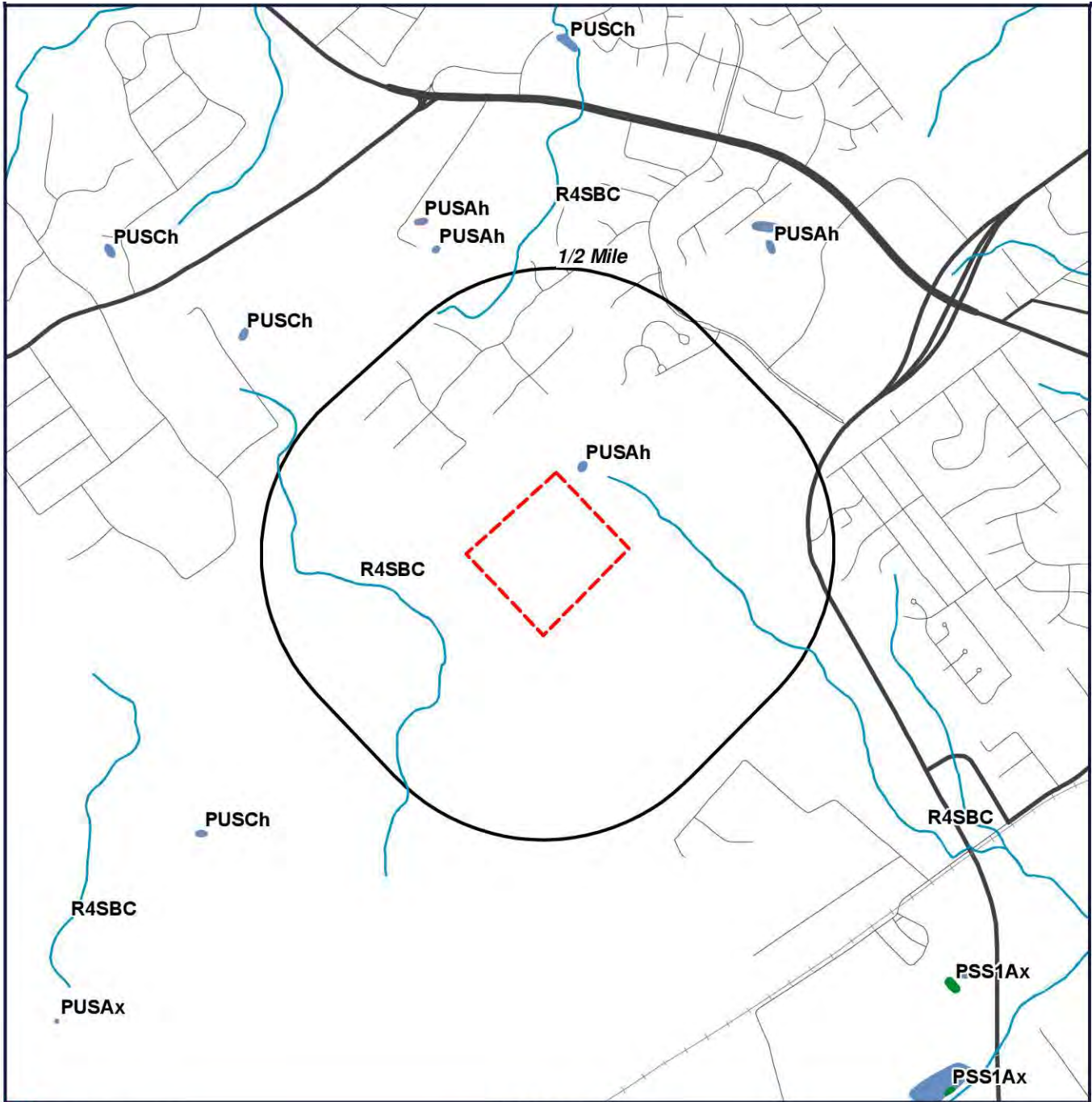
## FEMA Flood Zone Definitions within Search Radius

X	Zone X
---	--------

An area that is determined to be outside the 100 and 500 year floodplains.



# NWI Map



Target Property (TP)

ESTUARINE AND MARINE DEEPWATER  
 ESTUARINE AND MARINE WETLAND  
 FRESHWATER EMERGENT WETLAND  
 FRESHWATER FORESTED/ SHRUB WETLAND

LAKE  
 OTHER  
 RIVERINE

**NBU ESA**  
**3295 Westpointe Dr**  
**New Braunfels, Texas**  
**78132**

FRESHWATER POND  
 NDA - DIGITAL DATA NOT AVAILABLE

Map Date: 05/01/2018



0' 1000' 2000' 3000'  
 SCALE: 1" = 2000'

[Click here to access Satellite view](#)



## NWI Report

### NWI - National Wetlands Inventory

The US NWI digital data bundle is a set of records of wetlands location and classification as defined by the U.S. Fish & Wildlife Service. This dataset is one of a series available in 7.5 minute by 7.5 minute blocks containing ground planimetric coordinates of wetlands point, line, and area features and wetlands attributes. When completed, the series will provide coverage for all of the contiguous United States, Hawaii, Alaska, and U.S. protectorates in the Pacific and Caribbean. The digital data as well as the hardcopy maps that were used as the source for the digital data are produced and distributed by the U.S. Fish & Wildlife Service's National Wetlands Inventory project. Currently, this data is only available in select counties throughout the United States.

### NWI Definitions within Search Radius

#### PUSAh

SYSTEM: **PALUSTRINE**

CLASS: **UNCONSOLIDATED SHORE**

SPECIAL MODIFIER: **DIKED/IMPOUNDED**

#### R4SBC

SYSTEM: **RIVERINE**

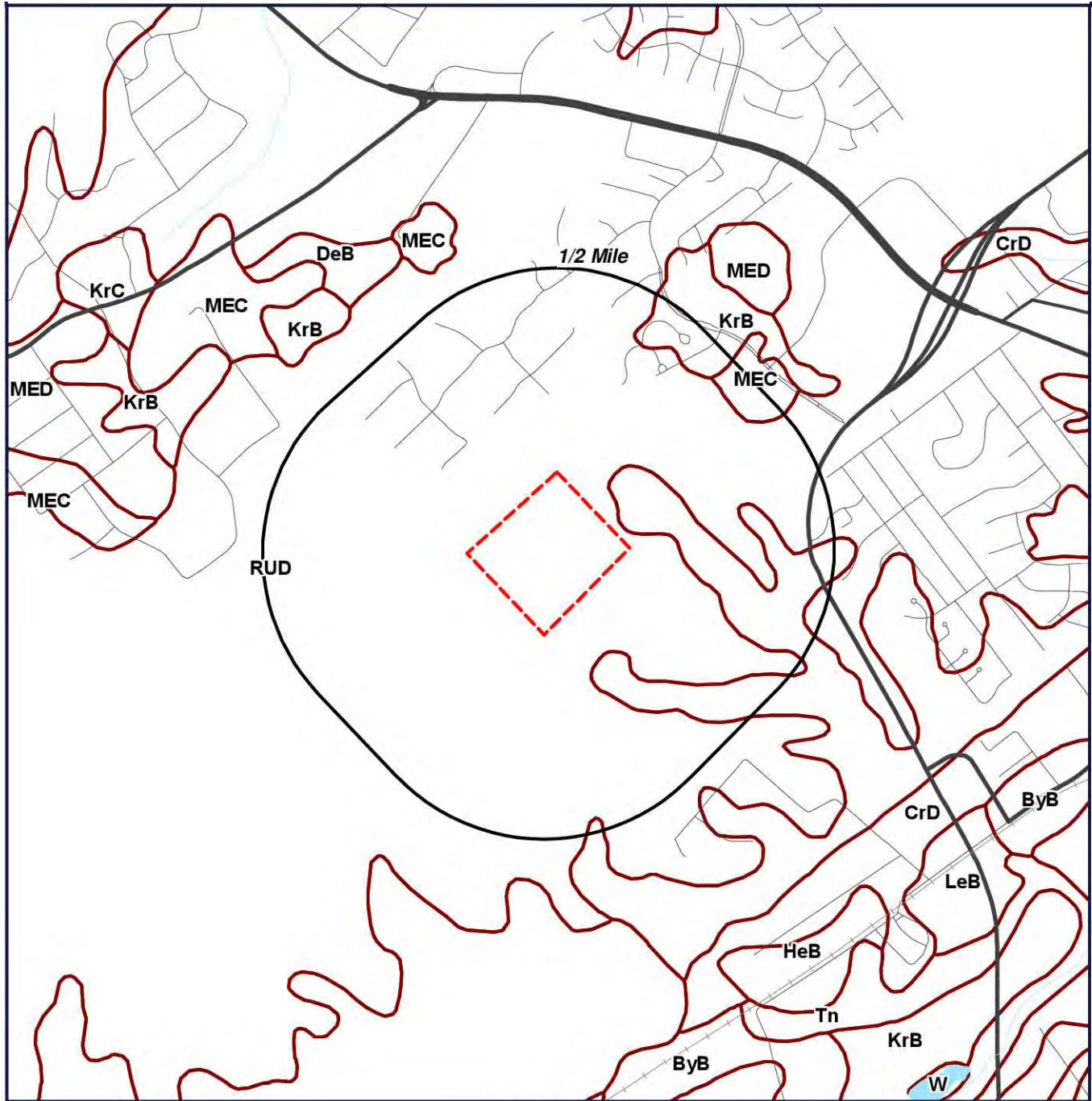
SUBSYSTEM: **INTERMITTENT**

CLASS: **STREAMBED**

WATER REGIME: **SEASONALLY FLOODED**

**Texas - DIGITAL DATA NOT AVAILABLE**

# Soil Map



Target Property (TP)



SOIL BOUNDARY



NOTCOM - DIGITAL DATA NOT AVAILABLE/NOT COMPLETE

**NBU ESA**  
**3295 Westpointe Dr**  
**New Braunfels, Texas**  
**78132**



0' 1000' 2000' 3000'  
 SCALE: 1" = 2000'

[Click here to access Satellite view](#)

# SOIL Report

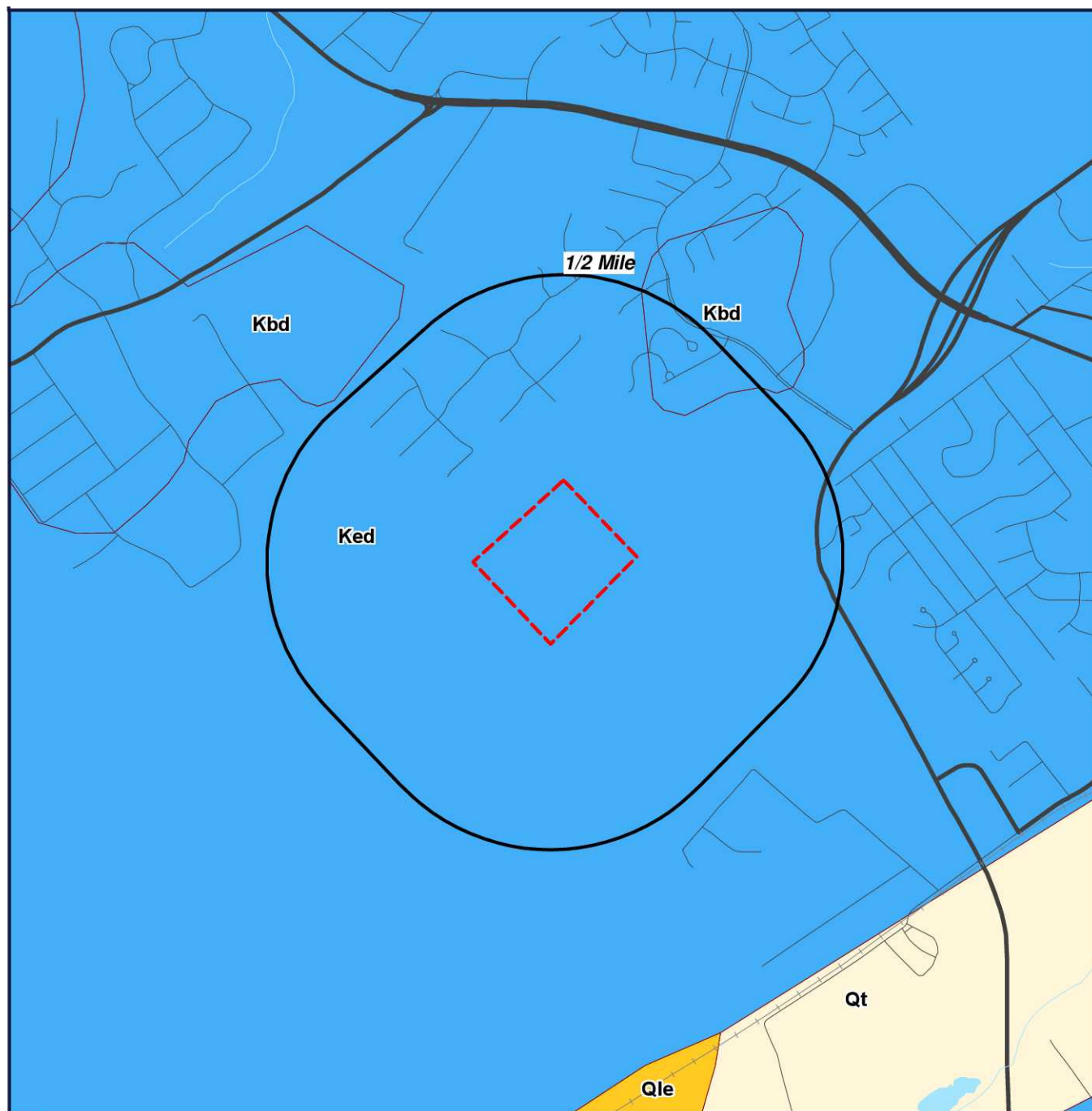
## Soil Surveys

The soil data used in this report is obtained from the Natural Resources Conservation Service (NRCS). The NRCS is the primary federal agency that works with private landowners to help them conserve, maintain and improve their natural resources. The soil survey contains information that can be applied in managing farms and ranches; in selecting sites for roads, ponds, buildings and other structures; and in determining the suitability of tracts of land for farming, industry and recreation. This data is available in select counties throughout the United States.

## SOIL Code Definitions within Search Radius

<b>ErG</b>	Eckrant-Rock outcrop association, 8 to 30 percent slopes
<b>KrB</b>	Krum clay, 1 to 3 percent slopes
<b>MEC</b>	Medlin-Eckrant association, 1 to 8 percent slopes
<b>RUD</b>	Rumple-Comfort association, 1 to 8 percent slopes

# Geology Map



 Target Property (TP)

**NBU ESA**  
**3295 Westpointe Dr**  
**New Braunfels, Texas**  
**78132**



0' 1000' 2000' 3000'  
SCALE: 1" = 2000'

[Click here to access Satellite view](#)

# GEOLOGY Report

## US GEOLOGY

THE GEOLOGY DATA USED IN THIS REPORT ORIGINATES FROM THE USGS. THE FIRST STAGE IN DEVELOPING STATE DATABASES FOR THE CONTERMINOUS UNITED STATES WAS TO ACQUIRE DIGITAL VERSIONS OF ALL EXISTING STATE GEOLOGIC MAPS. ALTHOUGH A SIGNIFICANT NUMBER OF DIGITAL STATE MAPS ALREADY EXISTED, A NUMBER OF STATES LACKED THEM. FOR THESE STATES NEW DIGITAL COMPILATIONS WERE PREPARED IN COOPERATION WITH STATE GEOLOGIC SURVEYS OR BY THE NSA (NATIONAL SURVEYS AND ANALYSIS) PROJECT. THESE NEW DIGITAL STATE GEOLOGIC MAPS AND DATABASES WERE CREATED BY DIGITIZING ALREADY EXISTING PRINTED MAPS, OR, IN A FEW CASES, BY MERGING EXISTING LARGER SCALE DIGITAL MAPS.

### GEOLOGY Definitions within Search Radius

GEOLOGY SYMBOL: **Kbd**

UNIT NAME: **Buda Limestone and Del Rio Clay, undivided**

UNIT AGE: **Phanerozoic | Mesozoic | Cretaceous-Late**

UNIT DESCRIPTION:

**Buda Limestone and Del Rio Clay, undivided**

ADDITIONAL UNIT INFORMATION:

**In Eastern part of Trans-Pecos and High Plains-Buda Ls--Limestone, fine grained, bioclastic, commonly glauconitic, pyrite, hard, massive lt gray to pale orange; formation is as much as 45 ft thick. Del Rio Clay--Clay, calcar. to gypsiferous, pyrite commo**

ROCKTYPE/S: **limestone; mudstone; clay or mud; siltstone; shale**

GEOLOGY SYMBOL: **Ked**

UNIT NAME: **Edwards Limestone**

UNIT AGE: **Phanerozoic | Mesozoic | Cretaceous-Early**

UNIT DESCRIPTION:

**Edwards Limestone**

ADDITIONAL UNIT INFORMATION:

**In Eastern part of Trans-Pecos and High Plains- Limestone, dolostone, and chert; ls. aphanitic to fine grained, massive to thin-bedded, hard, brittle, in part rudistid biostromes, much miliolid biosparite; dolostone fine to v. fine grained, porous, chert**

ROCKTYPE/S: **limestone; dolostone (dolomite); chert**

**ATTACHMENT D**

**WATER WELL REPORT**

---

## ***GeoPlus Water Well Report***

---

[GeoLens by GeoSearch](#)

*Target Property:*

**NBU ESA  
3295 Westpointe Dr  
New Braunfels, Comal County, Texas 78132**

*Prepared For:*

**Raba Kistner Environmental-San Antonio**

**Order #: 125959**

**Job #: 292179**

**Project #: ASF19-053-00**

**Date: 05/07/2019**



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## Table of Contents

---

<i>Target Property Summary</i> . . . . .	1
<i>Database Radius Summary</i> . . . . .	2
<i>Water Well Map</i> . . . . .	4
<i>Located Sites Summary</i> . . . . .	4
<i>Environmental Records Definitions</i> . . . . .	16



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## Disclaimer

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[www.geo-search.com](http://www.geo-search.com) 888-396-0042

## Target Property Summary

### **Target Property Information**

NBU ESA

3295 Westpointe Dr

New Braunfels, Texas 78132

#### **Coordinates**

Area centroid (-98.173223, 29.7051968)

#### **USGS Quadrangle**

New Braunfels West, TX

### **Geographic Coverage Information**

**County/Parish:** Comal (TX)

**ZipCode(s):**

New Braunfels TX: 78130, 78132

## Database Radius Summary

### **FEDERAL LISTING**

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
NWIS	0.5000	0	0	0	0	NS	NS	0
SUB-TOTAL		0	0	0	0	0	0	0

## Database Radius Summary

### STATE (TX) LISTING

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
SDRD	0.5000	2	2	0	6	NS	NS	10
TCEQ	0.5000	0	0	0	0	NS	NS	0
TWDB	0.5000	0	0	0	0	NS	NS	0
WUD	0.5000	0	0	0	0	NS	NS	0

SUB-TOTAL		2	2	0	6	0	0	10
-----------	--	---	---	---	---	---	---	----

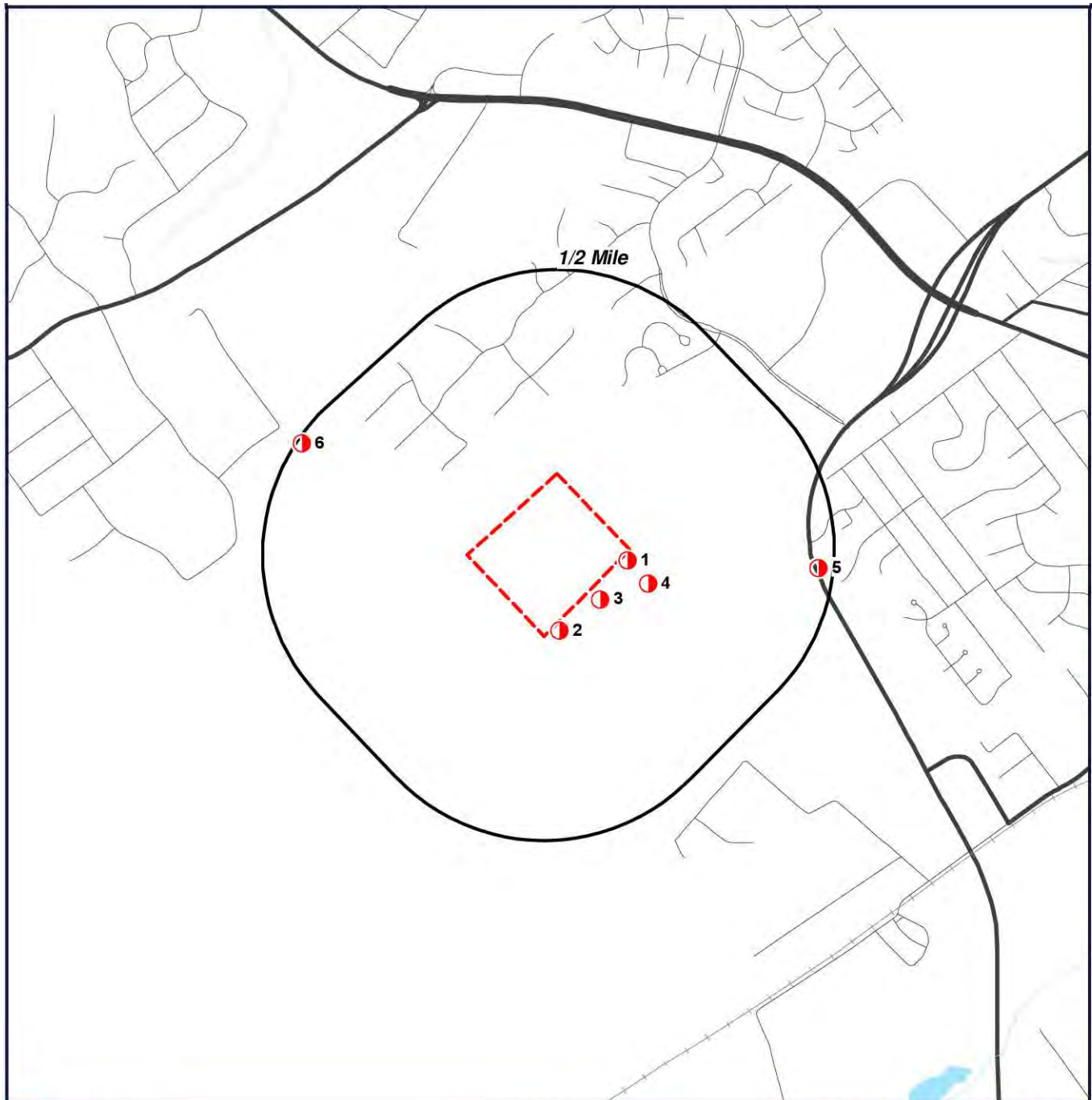
TOTAL		2	2	0	6	0	0	10
-------	--	---	---	---	---	---	---	----



#### NOTES:

NS = NOT SEARCHED

TP/AP = TARGET PROPERTY/ADJACENT PROPERTY

## Waterwell Map



 Target Property (TP)  
 SDRD

**NBU ESA**  
**3295 Westpointe Dr**  
**New Braunfels, Texas**  
**78132**

CONTOUR LINES REPRESENTED IN FEET



0' 1000' 2000' 3000'  
SCALE: 1" = 2000'

[Click here to access Satellite view](#)

## Located Sites Summary

Map ID#	Database Name	Site ID#	Distance From Site	Site Name	Address	PAGE #
<a href="#">1</a>	SDRD	TX353695	0.014 mi. SE (74 ft.)	NEW BRAUNFELS UTILITIES	WESTPOINTE DRIVE, NEW BRAUNFELS, TX 78132	<a href="#">6</a>
<a href="#">2</a>	SDRD	TX353699	0.018 mi. SE (95 ft.)	NEW BRAUNFELS UTILITIES	WESTPOINTE DRIVE, NEW BRAUNFELS, TX 78132	<a href="#">7</a>
<a href="#">3</a>	SDRD	TX359175	0.035 mi. SE (185 ft.)	NEW BRAUNFELS UTILITIES	WESTPOINTE DR, NEW BRAUNFELS, TX 78132	<a href="#">8</a>
<a href="#">4</a>	SDRD	TX367180	0.09 mi. SE (475 ft.)	NEW BRAUNFELS UTILITIES	WESTPOINTE DRIVE, NEW BRAUNFELS, TX 78132	<a href="#">9</a>
<a href="#">5</a>	SDRD	TX155630	0.465 mi. E (2455 ft.)	TETCO INC. #1067	2745 LOOP 337, NEW BRAUNFELS, TX 78130	<a href="#">10</a>
<a href="#">5</a>	SDRD	TX155631	0.465 mi. E (2455 ft.)	TETCO INC. #1067	2745 LOOP 337, NEW BRAUNFELS, TX 78130	<a href="#">11</a>
<a href="#">5</a>	SDRD	TX155632	0.465 mi. E (2455 ft.)	TETCO INC. #1067	2745 LOOP 337, NEW BRAUNFELS, TX 78130	<a href="#">12</a>
<a href="#">5</a>	SDRD	TX155633	0.465 mi. E (2455 ft.)	TETCO INC. #1067	2745 LOOP 337, NEW BRAUNFELS, TX 78130	<a href="#">13</a>
<a href="#">5</a>	SDRD	TX155634	0.465 mi. E (2455 ft.)	TETCO INC. #1067	2745 LOOP 337, NEW BRAUNFELS, TX 78130	<a href="#">14</a>
<a href="#">6</a>	SDRD	TX421485	0.487 mi. WNW (2571 ft.)	PATTY WILKINSON	300 TIMBER WILD, NEW BRAUNFELS, TX 78132	<a href="#">15</a>

## Submitted Drillers Report Database (SDRD)

[MAP ID# 1](#)

Distance from Property: 0.014 mi. (74 ft.) SE

ID #: TX353695

TRACK #: 353695

DATE ENTERED: 2014-02-07

OWNER NAME: NEW BRAUNFELS UTILITIES

OWNER ADDRESS: 355 FM 306

NEW BRAUNFELS, TX 78130

COUNTY: COMAL

LATITUDE: 29.705001000

LONGITUDE: -98.170000000

**WELL LOG:**

DRILLING DATE (STARTED): 2011-01-25

DRILLING DATE (COMPLETED): 2014-01-15

DEPTH DRILLED: 520'

**WATER LEVEL:**

STATIC LEVEL: 265'

WATER LEVEL DATE: NOT REPORTED

TYPE OF WATER: NOT REPORTED

**TYPE OF WORK:**

NEW WELL

**PROPOSED USE:**

PUBLIC SUPPLY

**COMPANY INFORMATION:**

COMPANY NAME: KUTSCHER DRILLING

COMPANY ADDRESS: 3810 HUNTER ROAD

SAN MARCOS, TX 78666

---

[Back to Report Summary](#)



## Submitted Drillers Report Database (SDRD)

[MAP ID# 2](#)

Distance from Property: 0.018 mi. (95 ft.) SE

ID #: TX353699

TRACK #: 353699

DATE ENTERED: 2014-02-07

OWNER NAME: NEW BRAUNFELS UTILITIES

OWNER ADDRESS: 355 FM 306

NEW BRAUNFELS, TX 78130

COUNTY: COMAL

LATITUDE: 29.702501000

LONGITUDE: -98.172778000

**WELL LOG:**

DRILLING DATE (STARTED): 2013-12-20

DRILLING DATE (COMPLETED): 2014-01-29

DEPTH DRILLED: 620'

**WATER LEVEL:**

STATIC LEVEL: 260'

WATER LEVEL DATE: NOT REPORTED

TYPE OF WATER: NOT REPORTED

**TYPE OF WORK:**

NEW WELL

**PROPOSED USE:**

PUBLIC SUPPLY

**COMPANY INFORMATION:**

COMPANY NAME: KUTSCHER DRILLING

COMPANY ADDRESS: 3810 HUNTER ROAD

SAN MARCOS, TX 78666

---

[Back to Report Summary](#)

## Submitted Drillers Report Database (SDRD)

[MAP ID# 3](#)

Distance from Property: 0.035 mi. (185 ft.) SE

ID #: TX359175

TRACK #: 359175

DATE ENTERED: 2014-04-10

OWNER NAME: NEW BRAUNFELS UTILITIES

OWNER ADDRESS: 355 FM 306

NEW BRAUNFELS, TX 78130

COUNTY: COMAL

LATITUDE: 29.703612000

LONGITUDE: -98.171111000

**WELL LOG:**

DRILLING DATE (STARTED): 2014-02-15

DRILLING DATE (COMPLETED): 2014-03-30

DEPTH DRILLED: 520'

**WATER LEVEL:**

STATIC LEVEL: 263'

WATER LEVEL DATE: NOT REPORTED

TYPE OF WATER: NOT REPORTED

**TYPE OF WORK:**

NEW WELL

**PROPOSED USE:**

PUBLIC SUPPLY

**COMPANY INFORMATION:**

COMPANY NAME: KUTSCHER DRILLING

COMPANY ADDRESS: 3810 HUNTER ROAD

SAN MARCOS, TX 78666

---

[Back to Report Summary](#)

## Submitted Drillers Report Database (SDRD)

[MAP ID# 4](#)

Distance from Property: 0.09 mi. (475 ft.) SE

ID #: TX367180

TRACK #: 367180

DATE ENTERED: 2014-06-25

OWNER NAME: NEW BRAUNFELS UTILITIES

OWNER ADDRESS: 355 FM 306

NEW BRAUNFELS, TX 78130

COUNTY: COMAL

LATITUDE: 29.704167000

LONGITUDE: -98.169167000

**WELL LOG:**

DRILLING DATE (STARTED): 2014-04-28

DRILLING DATE (COMPLETED): 2014-05-22

DEPTH DRILLED: 620'

**WATER LEVEL:**

STATIC LEVEL: 263'

WATER LEVEL DATE: 2014-05-23

TYPE OF WATER: NOT REPORTED

**TYPE OF WORK:**

NEW WELL

**PROPOSED USE:**

DOMESTIC

**COMPANY INFORMATION:**

COMPANY NAME: KUTSCHER DRILLING

COMPANY ADDRESS: 3810 HUNTER ROAD

SAN MARCOS, TX 78666

---

[Back to Report Summary](#)

## Submitted Drillers Report Database (SDRD)

[MAP ID# 5](#)

Distance from Property: 0.465 mi. (2,455 ft.) E

ID #: TX155630

TRACK #: 155630

DATE ENTERED: 2008-10-08

OWNER NAME: TETCO INC. #1067

OWNER ADDRESS: 1100 N.E. LOOP 410 SUITE 900  
SAN ANTONIO, TX 78209

COUNTY: COMAL

LATITUDE: 29.704723000 LONGITUDE: -98.162223000

**WELL LOG:**

DRILLING DATE (STARTED): 2008-09-30

DRILLING DATE (COMPLETED): 2008-09-30

DEPTH DRILLED: 16'

**WATER LEVEL:**

STATIC LEVEL: NOT REPORTED'

WATER LEVEL DATE: NOT REPORTED

TYPE OF WATER: NOT REPORTED

**TYPE OF WORK:**

NEW WELL

**PROPOSED USE:**

ENVIRONMENTAL SOIL BORING

**COMPANY INFORMATION:**

COMPANY NAME: VORTEX DRILLING, INC.

COMPANY ADDRESS: 4412 BLUEMEL ROAD  
SAN ANTONIO, TX 78240

---

[Back to Report Summary](#)

## Submitted Drillers Report Database (SDRD)

[MAP ID# 5](#)

Distance from Property: 0.465 mi. (2,455 ft.) E

ID #: TX155631

TRACK #: 155631

DATE ENTERED: 2008-10-08

OWNER NAME: TETCO INC. #1067

OWNER ADDRESS: 1100 N.E. LOOP 410 SUITE 900  
SAN ANTONIO, TX 78209

COUNTY: COMAL

LATITUDE: 29.704723000 LONGITUDE: -98.162223000

**WELL LOG:**

DRILLING DATE (STARTED): 2008-09-30

DRILLING DATE (COMPLETED): 2008-09-30

DEPTH DRILLED: 16'

**WATER LEVEL:**

STATIC LEVEL: NOT REPORTED'

WATER LEVEL DATE: NOT REPORTED

TYPE OF WATER: NOT REPORTED

**TYPE OF WORK:**

NEW WELL

**PROPOSED USE:**

ENVIRONMENTAL SOIL BORING

**COMPANY INFORMATION:**

COMPANY NAME: VORTEX DRILLING, INC.

COMPANY ADDRESS: 4412 BLUEMEL ROAD  
SAN ANTONIO, TX 78240

---

[Back to Report Summary](#)

## Submitted Drillers Report Database (SDRD)

[MAP ID# 5](#)

Distance from Property: 0.465 mi. (2,455 ft.) E

ID #: TX155632

TRACK #: 155632

DATE ENTERED: 2008-10-08

OWNER NAME: TETCO INC. #1067

OWNER ADDRESS: 1100 N.E. LOOP 410 SUITE 900  
SAN ANTONIO, TX 78209

COUNTY: COMAL

LATITUDE: 29.704723000 LONGITUDE: -98.162223000

**WELL LOG:**

DRILLING DATE (STARTED): 2008-09-30

DRILLING DATE (COMPLETED): 2008-09-30

DEPTH DRILLED: 8'

**WATER LEVEL:**

STATIC LEVEL: NOT REPORTED'

WATER LEVEL DATE: NOT REPORTED

TYPE OF WATER: NOT REPORTED

**TYPE OF WORK:**

NEW WELL

**PROPOSED USE:**

ENVIRONMENTAL SOIL BORING

**COMPANY INFORMATION:**

COMPANY NAME: VORTEX DRILLING, INC.

COMPANY ADDRESS: 4412 BLUEMEL ROAD  
SAN ANTONIO, TX 78240

---

[Back to Report Summary](#)

## Submitted Drillers Report Database (SDRD)

[MAP ID# 5](#)

Distance from Property: 0.465 mi. (2,455 ft.) E

ID #: TX155633

TRACK #: 155633

DATE ENTERED: 2008-10-08

OWNER NAME: TETCO INC. #1067

OWNER ADDRESS: 1100 N.E. LOOP 410 SUITE 900  
SAN ANTONIO, TX 78209

COUNTY: COMAL

LATITUDE: 29.704723000 LONGITUDE: -98.162223000

**WELL LOG:**

DRILLING DATE (STARTED): 2008-09-30

DRILLING DATE (COMPLETED): 2008-09-30

DEPTH DRILLED: 8'

**WATER LEVEL:**

STATIC LEVEL: NOT REPORTED'

WATER LEVEL DATE: NOT REPORTED

TYPE OF WATER: NOT REPORTED

**TYPE OF WORK:**

NEW WELL

**PROPOSED USE:**

ENVIRONMENTAL SOIL BORING

**COMPANY INFORMATION:**

COMPANY NAME: VORTEX DRILLING, INC.

COMPANY ADDRESS: 4412 BLUEMEL ROAD  
SAN ANTONIO, TX 78240

---

[Back to Report Summary](#)



## Submitted Drillers Report Database (SDRD)

[MAP ID# 5](#)

Distance from Property: 0.465 mi. (2,455 ft.) E

ID #: TX155634

TRACK #: 155634

DATE ENTERED: 2008-10-08

OWNER NAME: TETCO INC. #1067

OWNER ADDRESS: 1100 N.E. LOOP 410 SUITE 900  
SAN ANTONIO, TX 78209

COUNTY: COMAL

LATITUDE: 29.704723000 LONGITUDE: -98.162223000

**WELL LOG:**

DRILLING DATE (STARTED): 2008-09-30

DRILLING DATE (COMPLETED): 2008-09-30

DEPTH DRILLED: 16'

**WATER LEVEL:**

STATIC LEVEL: NOT REPORTED'

WATER LEVEL DATE: NOT REPORTED

TYPE OF WATER: NOT REPORTED

**TYPE OF WORK:**

NEW WELL

**PROPOSED USE:**

ENVIRONMENTAL SOIL BORING

**COMPANY INFORMATION:**

COMPANY NAME: VORTEX DRILLING, INC.

COMPANY ADDRESS: 4412 BLUEMEL ROAD  
SAN ANTONIO, TX 78240

---

[Back to Report Summary](#)

## Submitted Drillers Report Database (SDRD)

**MAP ID# 6**

Distance from Property: 0.487 mi. (2,571 ft.) WNW

ID #: TX421485

TRACK #: 421485

DATE ENTERED: 2016-05-02

OWNER NAME: PATTY WILKINSON

OWNER ADDRESS: 300 TIMBER WILD  
NEW BRAUNFELS, TX 78132

COUNTY: COMAL

LATITUDE: 29.709139000 LONGITUDE: -98.183278000

**WELL LOG:**

DRILLING DATE (STARTED): 2016-04-08

DRILLING DATE (COMPLETED): 2016-04-10

DEPTH DRILLED: 360'

**WATER LEVEL:**

STATIC LEVEL: 263'

WATER LEVEL DATE: 2016-04-11

TYPE OF WATER: NOT REPORTED

**TYPE OF WORK:**

NEW WELL

**PROPOSED USE:**

DOMESTIC

**COMPANY INFORMATION:**

COMPANY NAME: KUTSCHER DRILLING

COMPANY ADDRESS: 3810 HUNTER ROAD  
SAN MARCOS, TX 78666

---

[Back to Report Summary](#)

## ***Environmental Records Definitions - FEDERAL***

### **NWIS**

United States Geological Survey National Water Information System

VERSION DATE: 12/21/18

The U.S. Geological Survey (USGS) National Water Information System (NWIS) includes water inventory data originating from all 50 states, plus border and territorial sites, including data from as early as 1899. This database includes selected site types limited to Groundwater Sites and Spring Sites from the 1.5 million plus sites within NWIS. Surface-Water, Atmospheric, and Other Site types are excluded. Disclaimer: Water Data for the Nation is the USGS public web interface to much of the data stored and managed within NWIS. It is not, however, configured to present all NWIS data and users may need to contact local Water Science Centers to obtain some information. NWIS data is updated on a regularly scheduled basis, and current condition data is generally updated upon receipt at local Water Science Centers.

## ***Environmental Records Definitions - STATE (TX)***

**SDRD** Submitted Drillers Report Database

VERSION DATE: 01/18/19

This Texas Water Development Board database was created from the online Texas Well Report Submission and Retrieval System (A cooperative TDLR, TWDB system) that registered water-well drillers use to submit their required reports. The system was started in February 2001 and is optional for the drillers to use.

**TCEQ** Texas Commission on Environmental Quality Water Wells

VERSION DATE: NR

The Texas Commission on Environmental Quality (TCEQ) maintains a filing system of plotted and unnumbered water wells. Plotted water wells are filed according to the County indicated by the driller and the state well number assigned by State of Texas personnel. Given the available location information provided by the driller, personnel identify where the approximate well location should be. After well placement a state well number is assigned indicating that the well lies within a specific 2.5' section of a 7.5' quadrangle. This method allows for quicker, more refined, reference when researching a specific area. Unnumbered water wells have not been assigned a state well number. This can occur for a variety of reasons; however it does not mean the well cannot be accurately spotted. Unnumbered water well records are filed according to County and are often broken up by year or by a span of years.

**TWDB** Texas Water Development Board Groundwater Database

VERSION DATE: 08/01/18

The Texas Water Development Board Groundwater Database contains information for more than 123,500 sites in Texas including data on water wells, springs, oil/gas tests, water levels, and water quality. The purpose of the Board's data collection effort over the years has been to gain representative information about aquifers in the state in order to do water planning. It is very important, however, to realize that the wells in the database represent only a small percentage of the wells that actually exist in Texas. A registered water well driller is required by law to send in a report to the State for every well that is drilled. This requirement began in 1965, and we estimate that approximately 500,000 wells have been drilled in Texas since then. Of the 1,000,000 plus water wells drilled in Texas over the past 100 years, more than 130,000 have been inventoried and placed into the TWDB groundwater database. State well numbers have been assigned to these based on their location within numbered 7 1/2 minute quadrangles formed by lines of latitude and longitude. This database contains well information including location, depth, well type, owner, driller, construction and completion data.

**WUD** Water Utility Database

VERSION DATE: NR

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.

***Environmental Records Definitions - STATE (TX)***

**ATTACHMENT E**

**HISTORICAL AERIAL PHOTOGRAPHS**

---

## ***Historical Aerial Photographs***

---

[NEW: GeoLens by Geosearch](#)

*Target Property:*

**NBU ESA  
3295 Westpointe Dr  
New Braunfels, Comal, Texas 78132**

*Prepared For:*

**Raba Kistner Environmental-San Antonio**

**Order #: 125959**

**Job #: 292178**

**Project #: ASF19-053-00**

**Date: 5/7/2019**



## **Target Property Summary**

**NBU ESA**

**3295 Westpointe Dr**

**New Braunfels, Comal, Texas 78132**

USGS Quadrangle: **NEW BRAUNFELS WEST**

Target Property Geometry: **Area**

Target Property Longitude(s)/Latitude(s):

**(-98.172895371, 29.708036914), (-98.176564633, 29.705166726), (-98.173431813, 29.702296456),**

**(-98.169934212, 29.705353105)**

## Aerial Research Summary

<u>Date</u>	<u>Source</u>	<u>Scale</u>	<u>Frame</u>
2016	USDA	1" = 500'	N/A
2014	USDA	1" = 500'	N/A
2012	USDA	1" = 500'	N/A
2010	USDA	1" = 500'	N/A
2008	USDA	1" = 500'	N/A
2005	USDA	1" = 500'	N/A
2004	USDA	1" = 500'	N/A
01/27/1995	USGS	1" = 500'	N/A
04/28/1987	TXDOT	1" = 500'	3-54
01/23/1983	USGS	1" = 500'	5-1
09/23/1976	TXDOT	1" = 500'	248
03/17/1973	USGS	1" = 500'	3-89
11/13/1969	ASCS	1" = 500'	2-69
08/11/1964	FAIRCHILD	1" = 500'	37-3581
05/06/1958	ASCS	1" = 500'	3-225
12/12/1952	AMS	1" = 500'	788
11/05/1938	ASCS	1" = 500'	4-69

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NBU ESA  
USDA  
2016

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NBU ESA  
USDA  
2014

GeoSearch

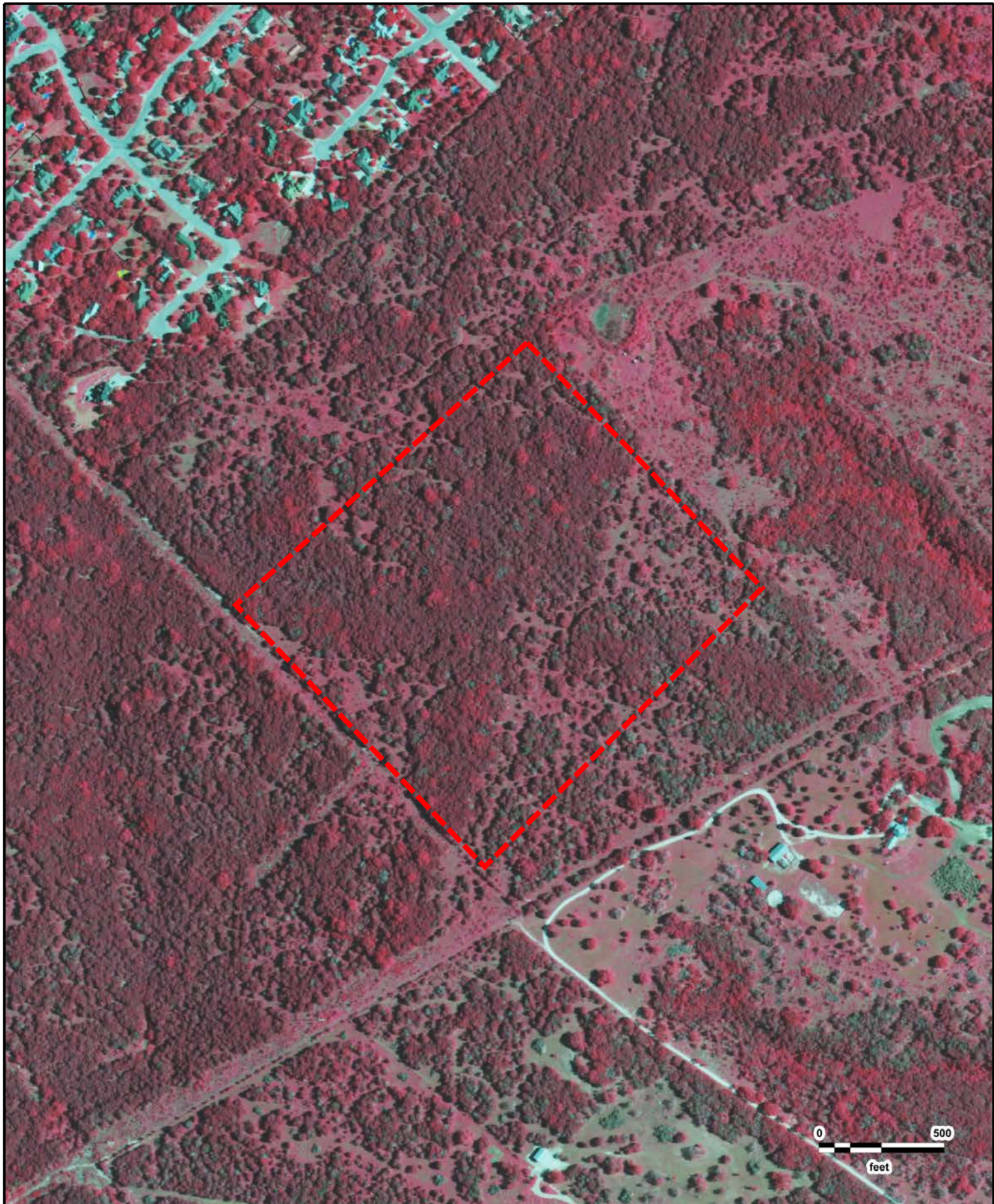




NBU ESA  
USDA  
2012

GeoSearch





NBU ESA  
USDA  
2010

GeoSearch

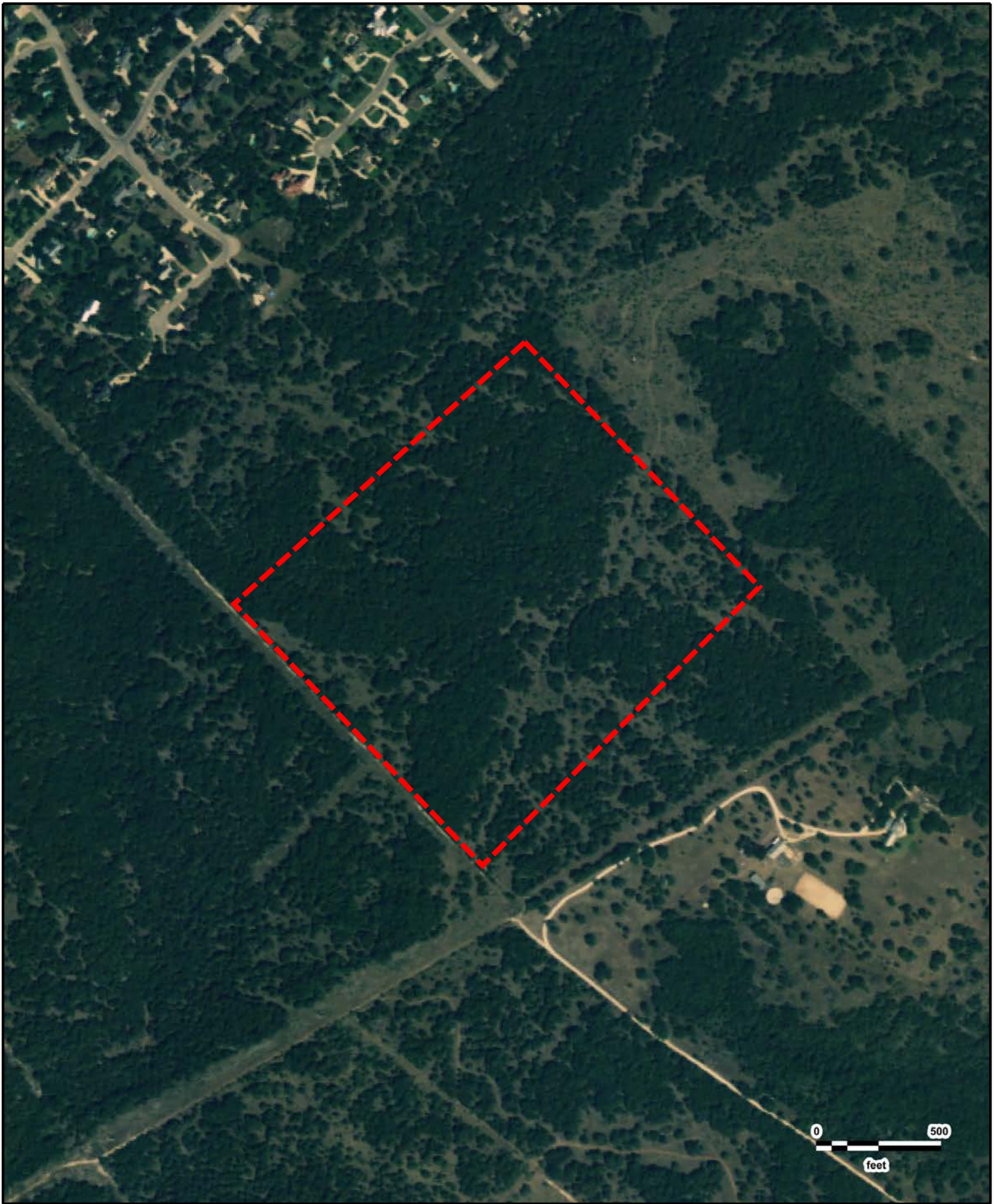




NBU ESA  
USDA  
2008

GeoSearch

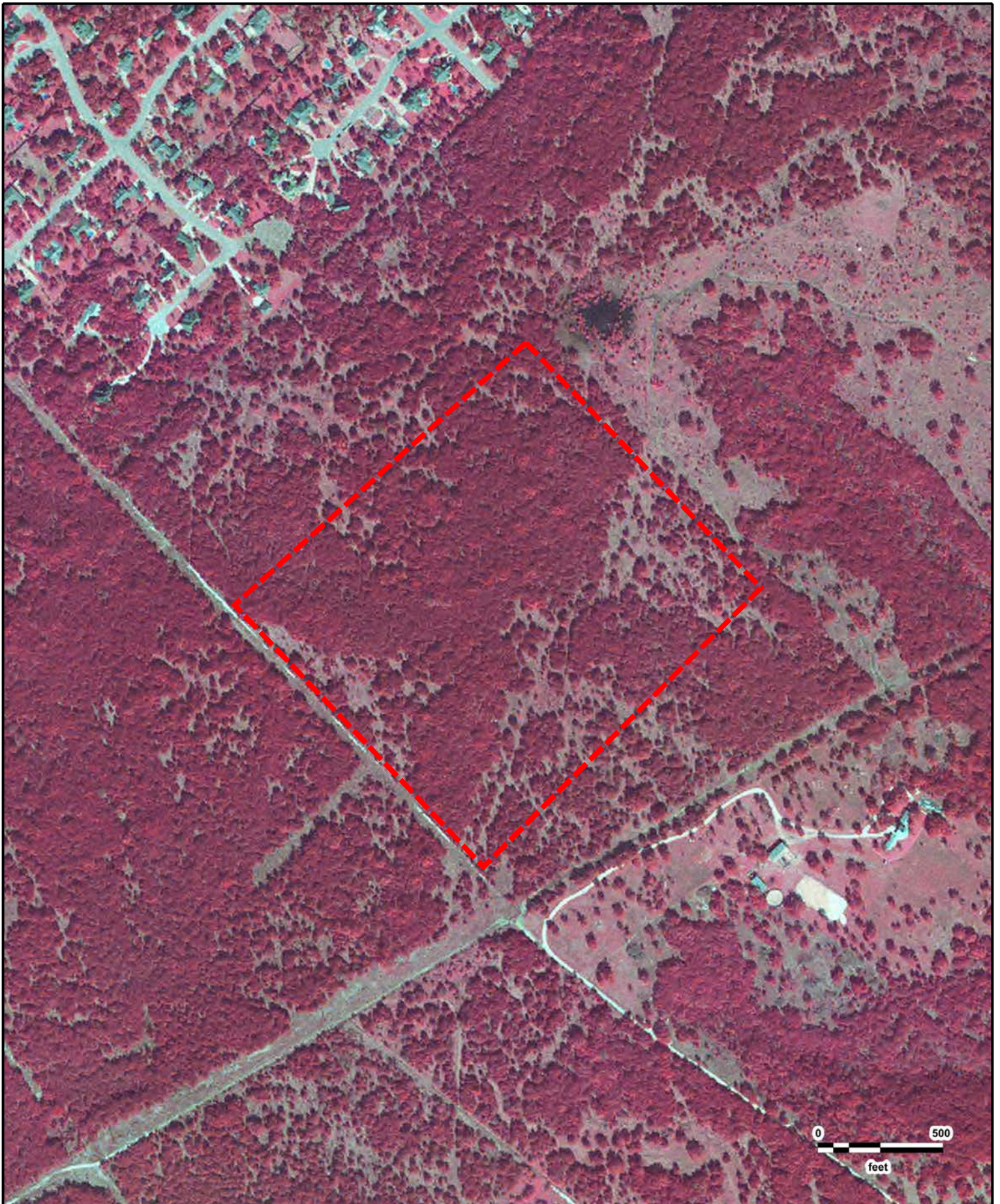




NBU ESA  
USDA  
2005

GeoSearch

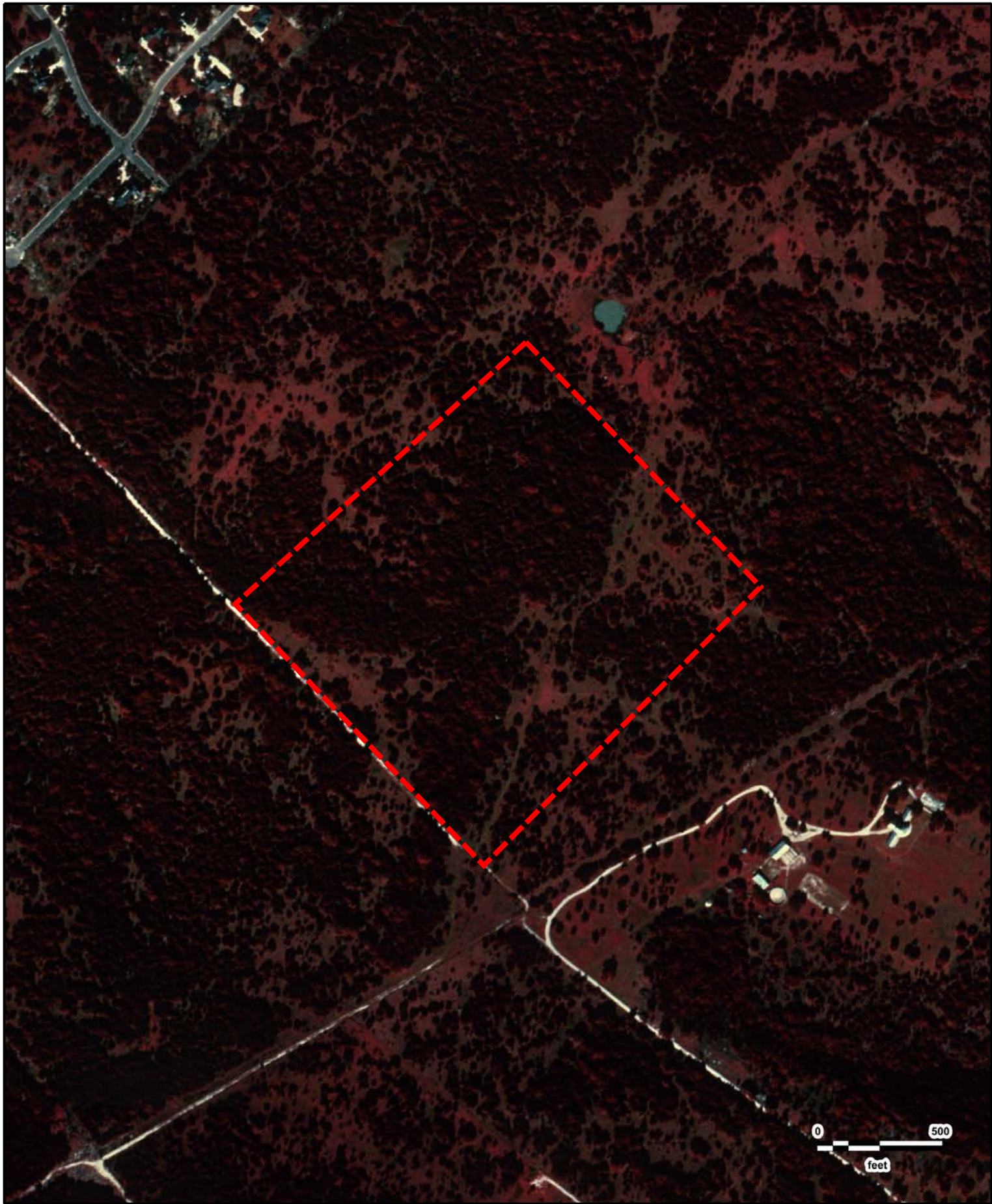




NBU ESA  
USDA  
2004

GeoSearch

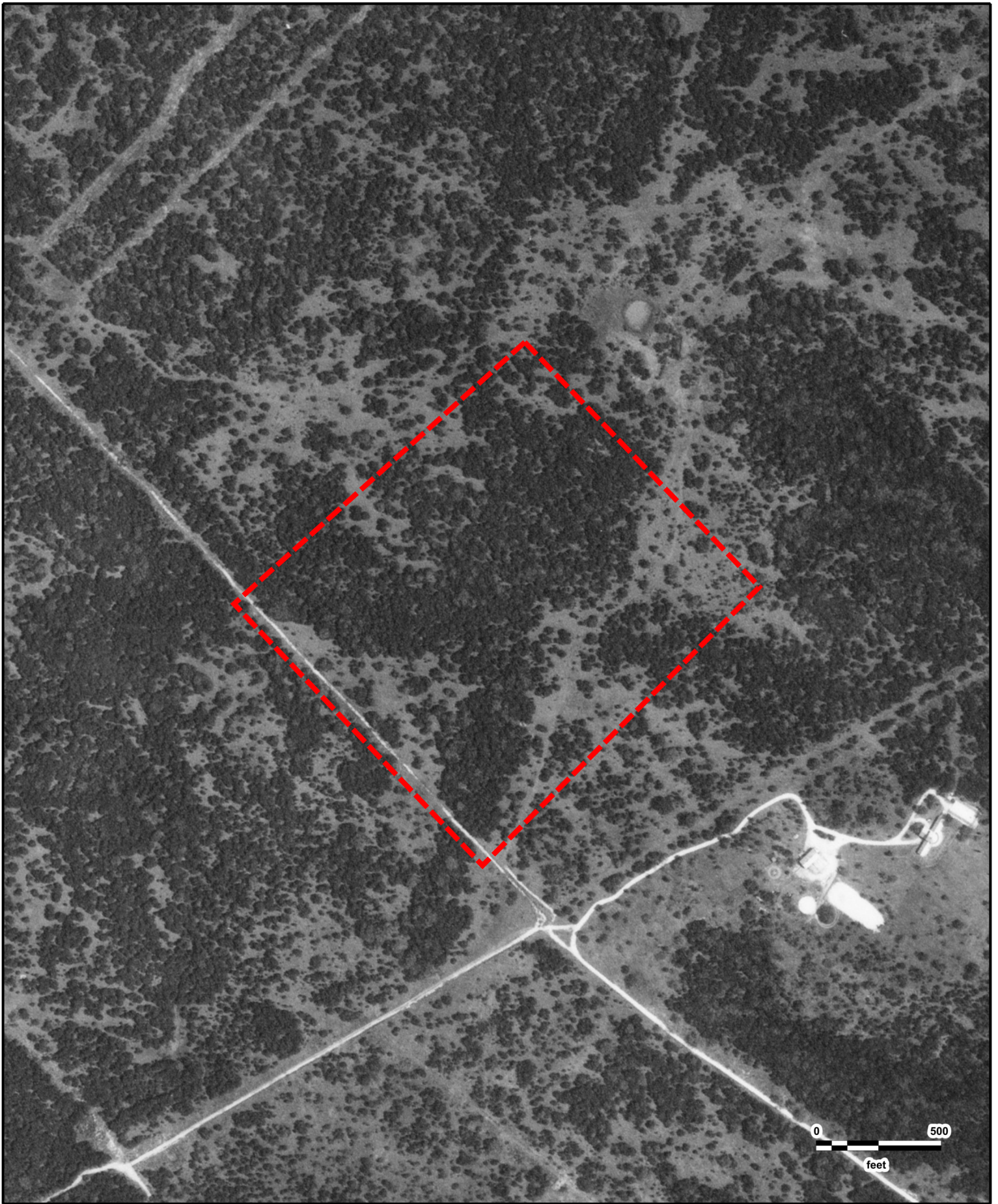




NBU ESA  
USGS  
01/27/1995



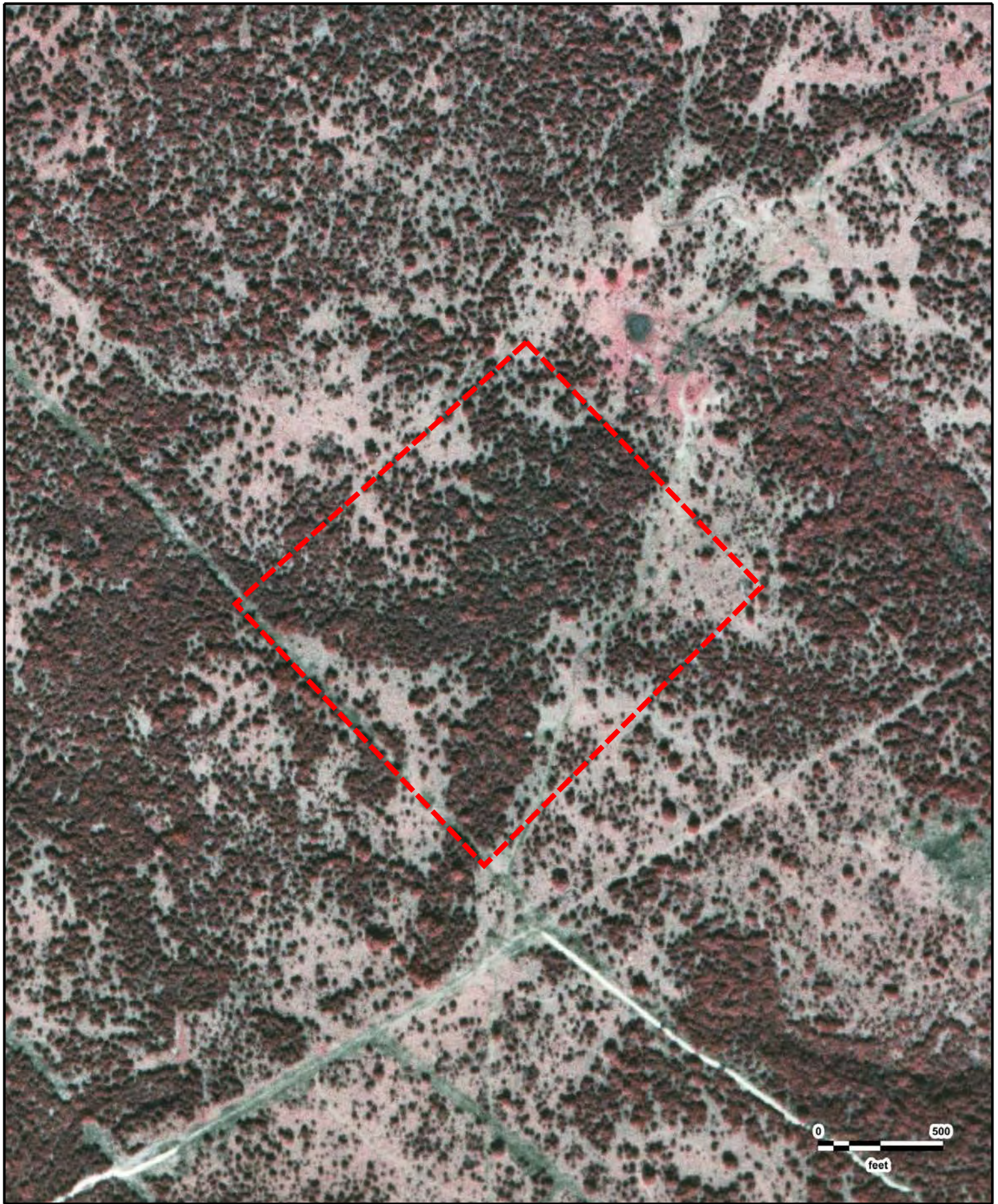




NBU ESA  
TXDOT  
04/28/1987

GeoSearch

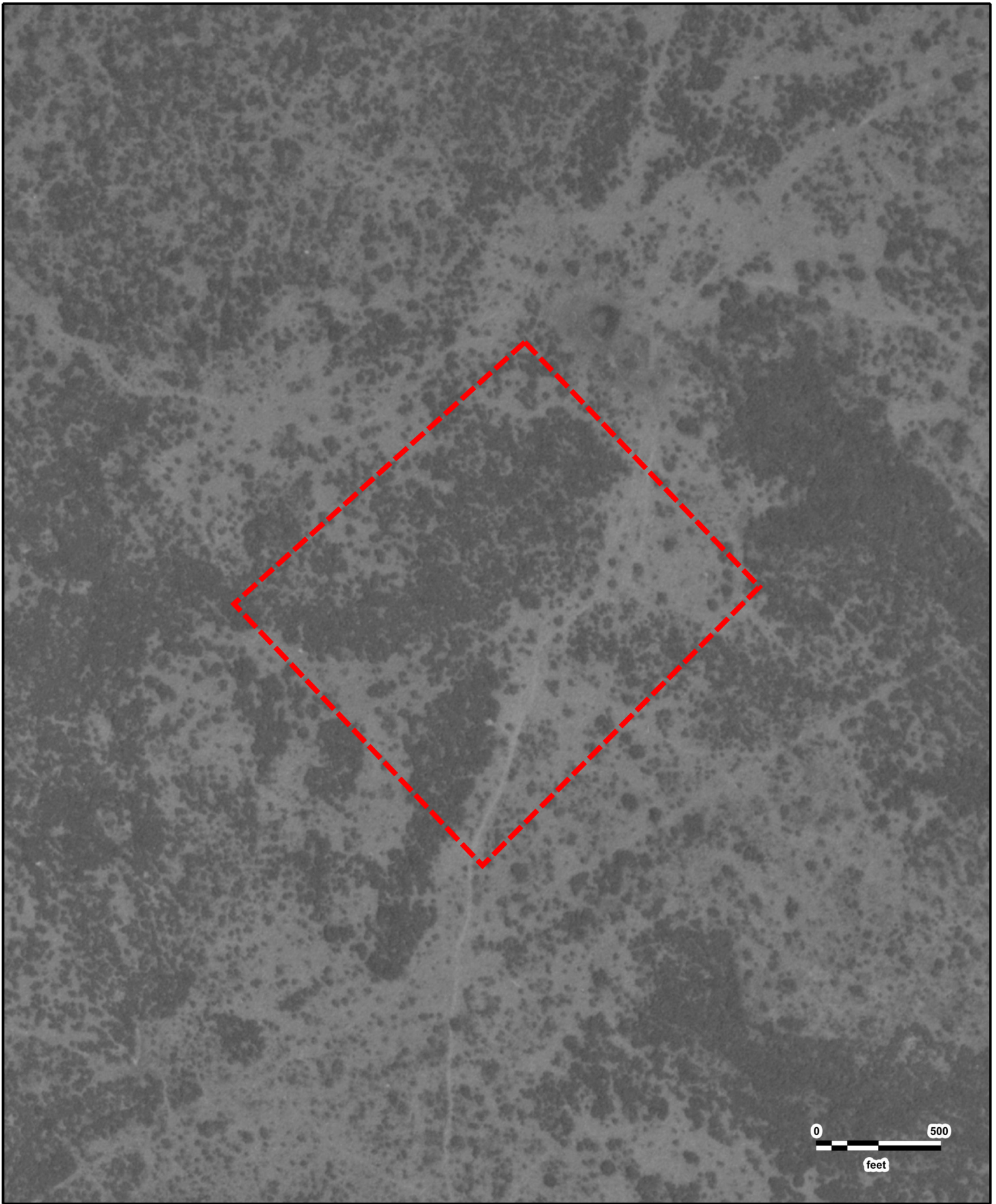




NBU ESA  
USGS  
01/23/1983

GeoSearch

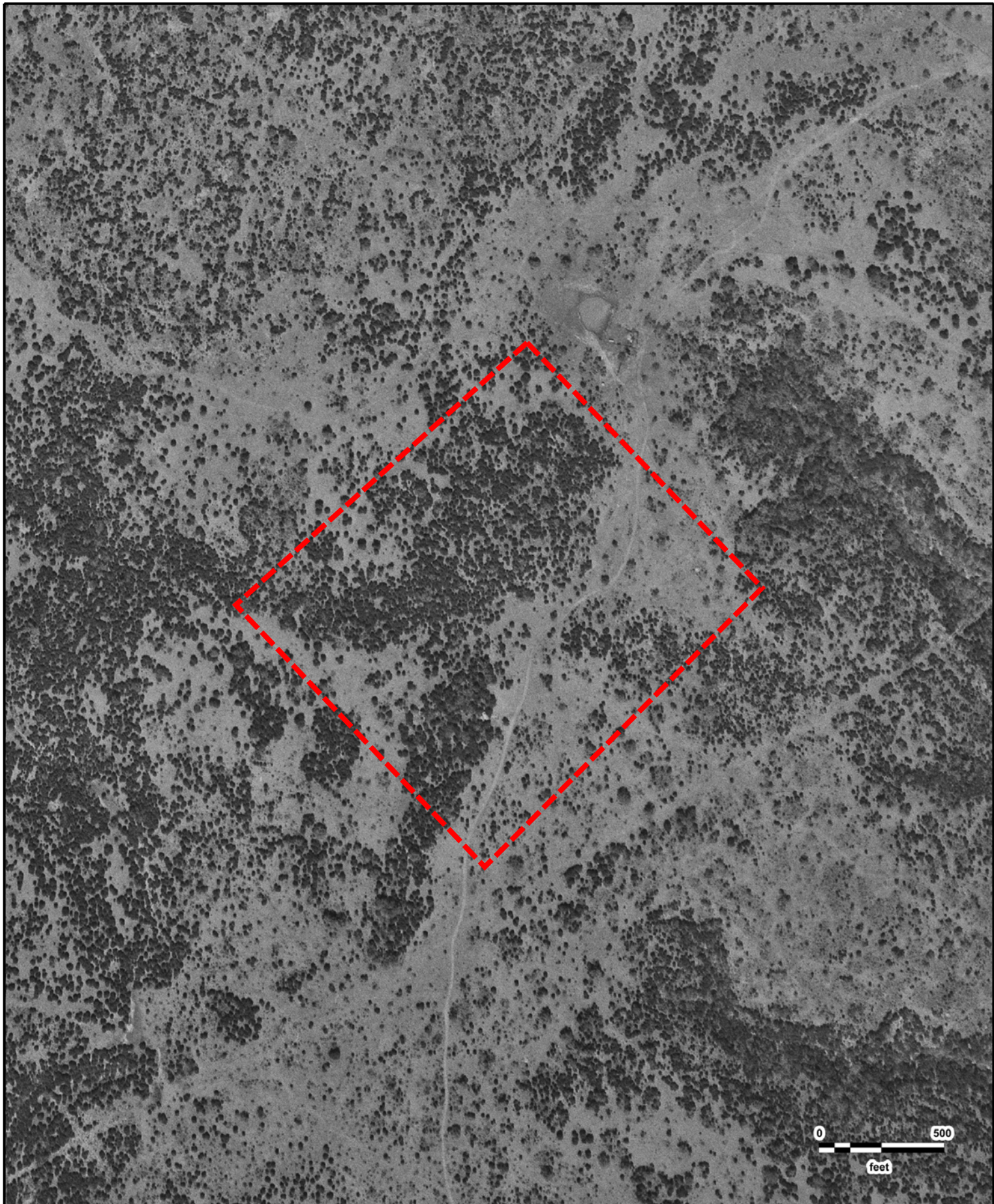




NBU ESA  
TXDOT  
09/23/1976

GeoSearch





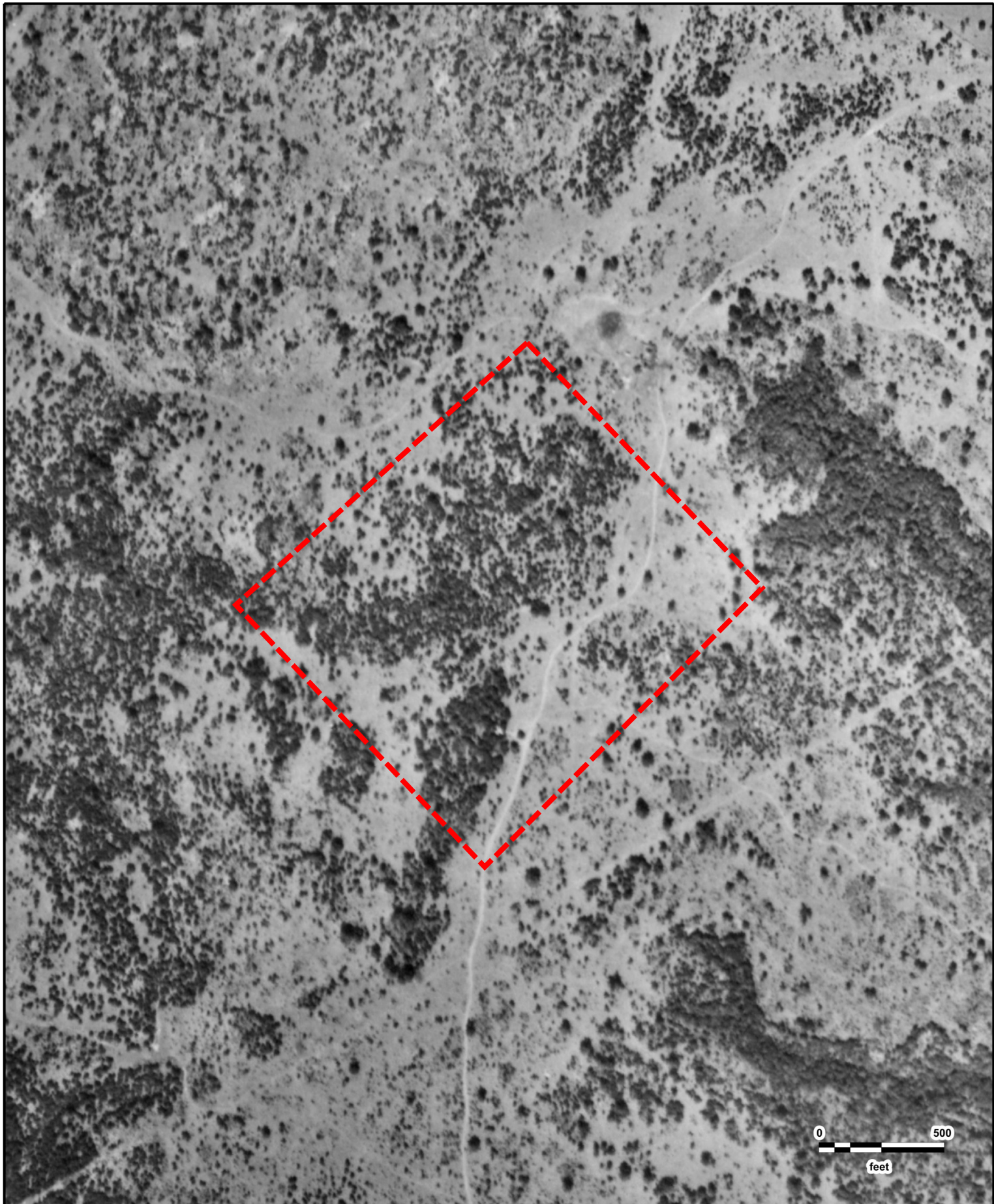
0 500  
feet



NBU ESA  
USGS  
03/17/1973

GeoSearch





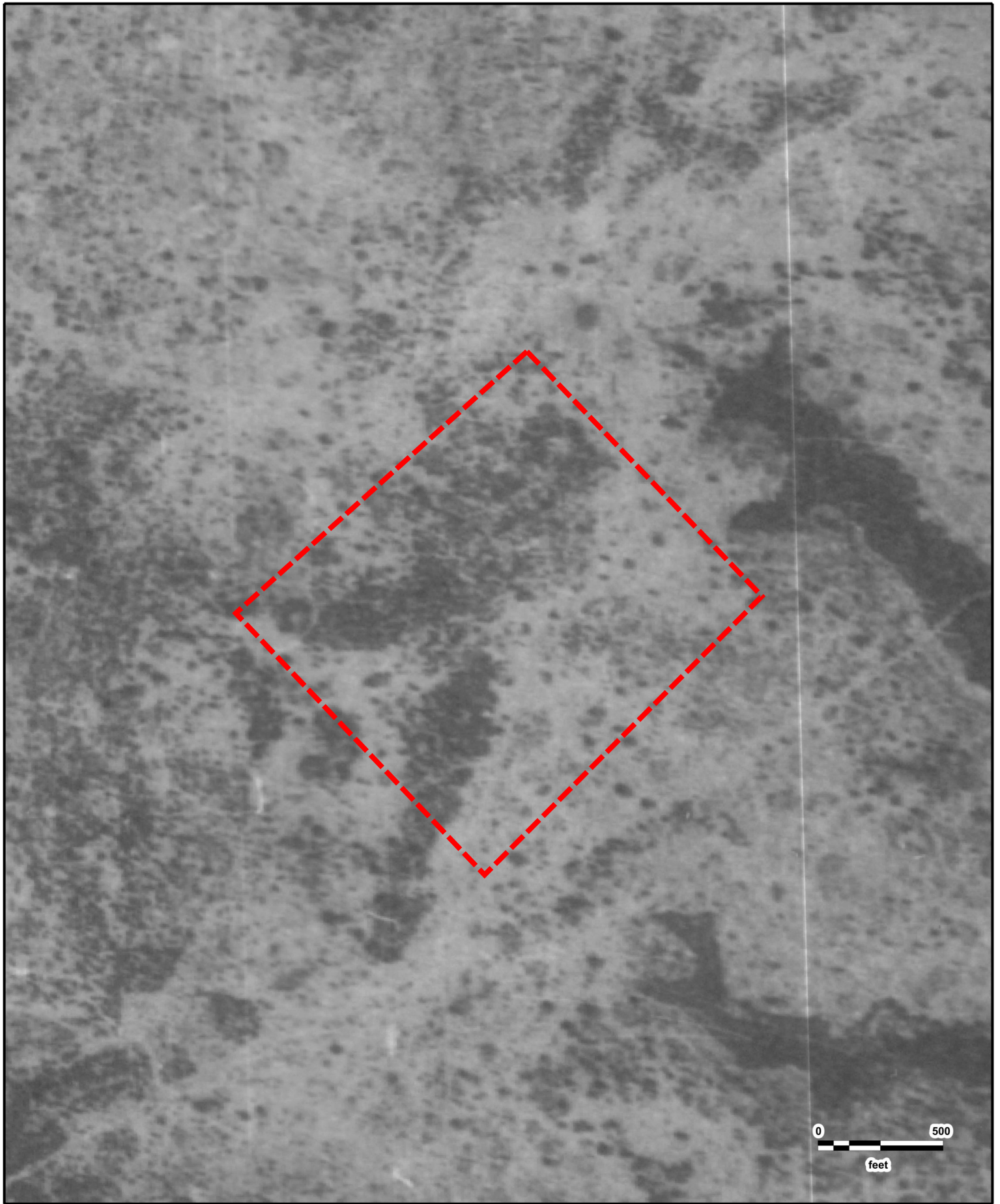
0 500  
feet



NBU ESA  
ASCS  
11/13/1969

GeoSearch

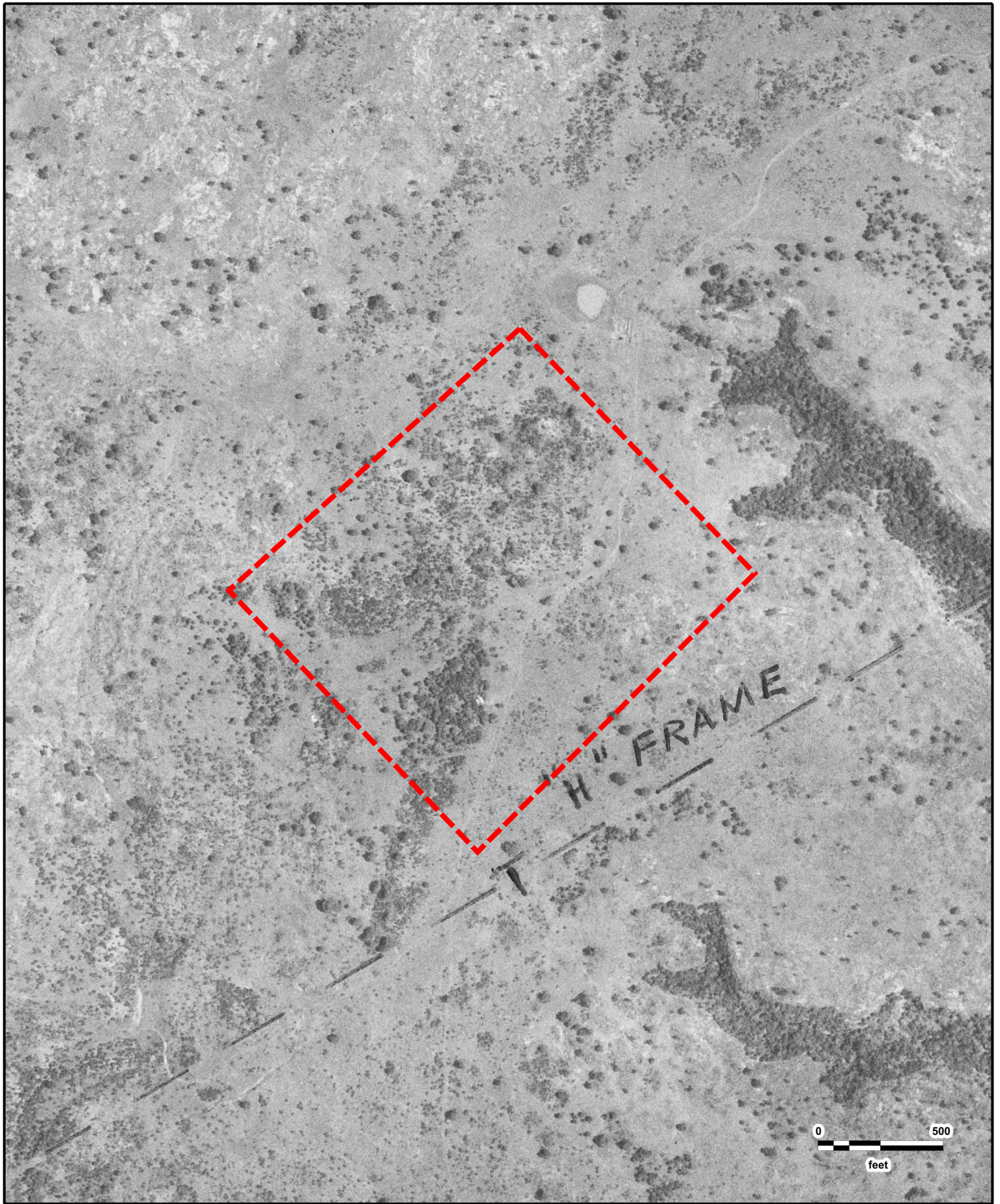




NBU ESA  
FAIRCHILD  
08/11/1964

GeoSearch

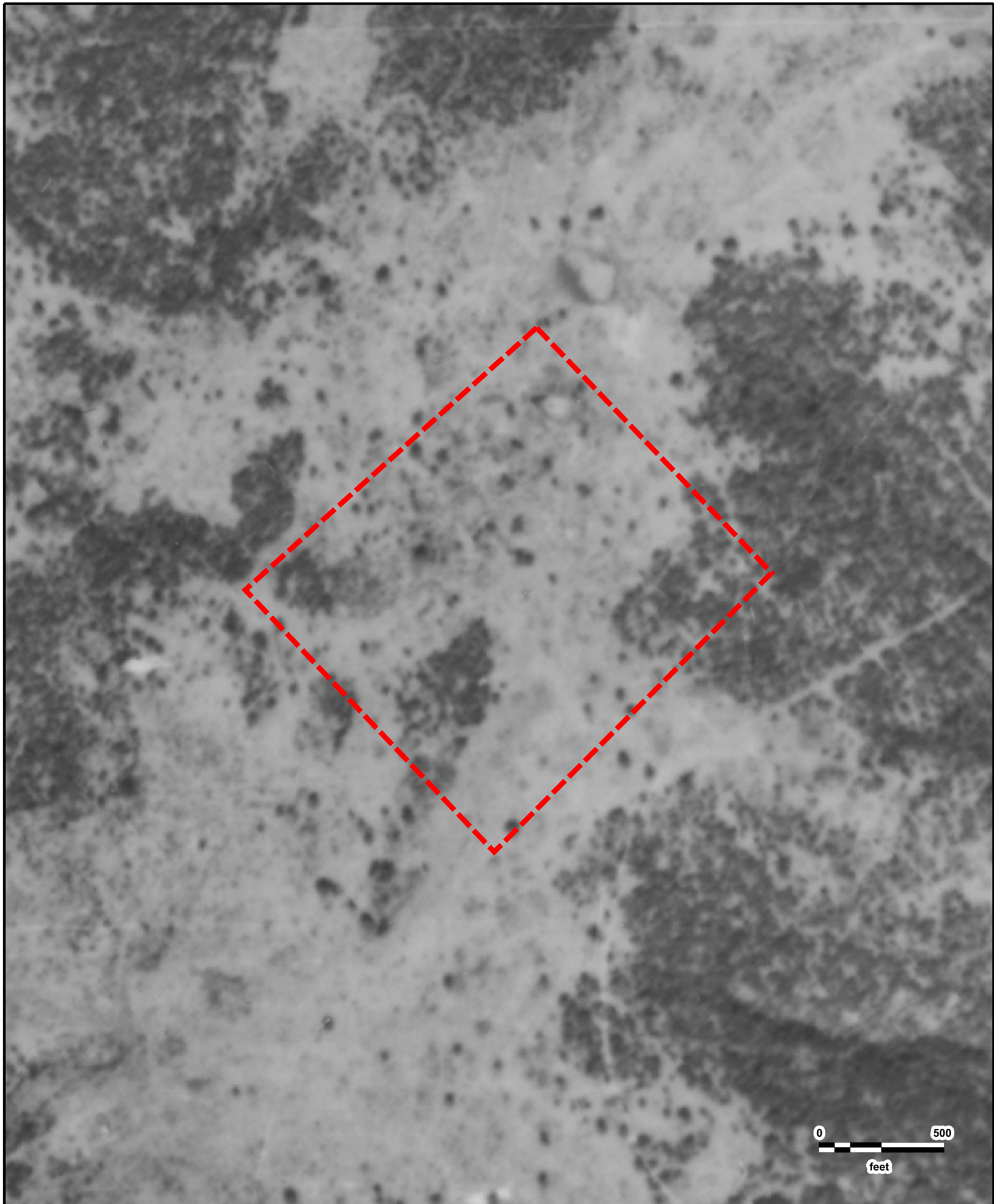




NBU ESA  
ASCS  
05/06/1958

GeoSearch





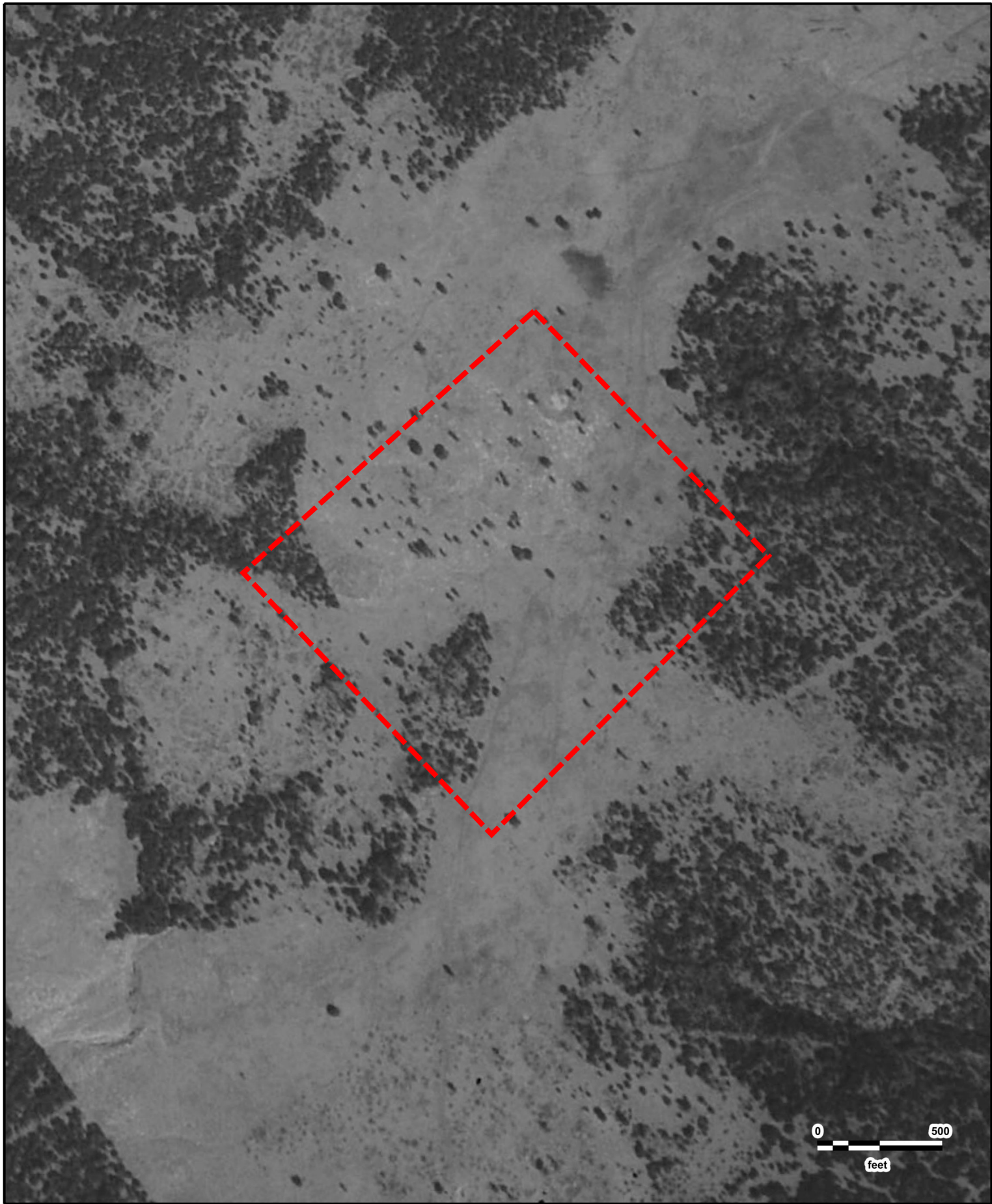
0 500  
feet



NBU ESA  
AMS  
12/12/1952

GeoSearch





NBU ESA  
ASCS  
11/05/1938



**ATTACHMENT F**

**CITY DIRECTORY REPORT**

---

## ***City Directory Standard Report***

---

***Target Property:***

3295 Westpointe Dr,  
New Braunfels, TX 78132

***Prepared For:***

Raba Kistner Environmental-San Antonio

Order #: 125959

Project #: ASF19-053-00

***Date: 5/7/2019***

**City Directory Standard Report**  
**3295 Westpointe Dr, New Braunfels, TX 78132**

R.L. POLK & CO.

SEGUIN/SANMARC 2016  
OS/NEUBRAUNFEL  
S

**WESTPOINTE DR**

1	STREET BEGINS
2745	MISSION HILL APARTMENTS
2745	X [END OF LISTING]

R.L. POLK & CO.

SEGUIN/SANMARC 2011  
OS/NEUBRAUNFEL  
S

**WESTPOINTE DR**

1	STREET NOT LISTED
---	-------------------

COLE DIRECTORY

SAN ANTONIO AND 2005  
VICINITY

**WESTPOINTE DR**

1	STREET NOT LISTED
---	-------------------

**Comment:**

---

## ***City Directory Standard Report***

---

***Target Property:***

*Independence Dr,  
New Braunfels, TX 78132*

***Prepared For:***

*Raba Kistner Environmental-San Antonio*

Order #: 125959

Project #: ASF19-053-00

***Date: 5/7/2019***

**City Directory Standard Report**  
**Independence Dr, New Braunfels, TX 78132**

R.L. POLK & CO.

SEGUIN/SANMARC 2016  
OS/NEWBRAUNFEL  
S

**INDEPENDENCE DR**

1	STREET BEGINS
1650	NEXUS MEDICAL COSNULTING LLC [MEDICAL MGMT CONSULTANTS]
1650	WELLS TRESA M
1672	WAYLAND BAPTIST UNIVERSITY [RELIGIOUS SCHOOLS]
1776	SCHLOTZSKY'S [RESTAURANTS]
1776	X [END OF LISTINGS]

R.L. POLK & CO.

SEGUIN/SANMARC 2011  
OS/NEWBRAUNFEL  
S

**INDEPENDENCE DR**

1	STREET BEGINS
1650	HARRISON WORLDWIDE ENTERPRISES [NONCLASSIFIED ESTABLISHMENTS]
1650	SCOOTER STORTE LTD [PHYSICIANS & SURGEONS EQUIP]
1650	WELLS TRESA M
1650	X [END OF LISTINGS]

COLE DIRECTORY

SAN ANTONIO 2006

**INDEPENDENCE DR**

1	STREET BEGINS
1650	THE SCOOTER STORE GREEN BAY LLC
1650	THE SCOOTER STORE WEST WRGL
1672	AUTOGAS SYSTEMS
1672	X [END OF LISTINGS]

COLE DIRECTORY

SAN ANTONIO 2001

**INDEPENDENCE DR**

1	STREET NOT LISTED
---	-------------------

COLE DIRECTORY



***City Directory Standard Report***  
***Independence Dr, New Braunfels, TX 78132***

SAN ANTONIO

1995

INDEPENDENCE DR

1

STREET NOT LISTED

**Comment:**

**ATTACHMENT G**

**FIRE INSURANCE MAP REPORT**



On time. On target. In touch.™

---

## ***Fire Insurance Map Abstract***

---

*Target Property:*

**NBU ESA**

**3295 Westpointe Dr,  
New Braunfels, TX 78132**

*Prepared For:*

**Raba Kistner Environmental-San Antonio**

**Order #: 125959**

**Job #: 292181**

**Project #: ASF19-053-00**

**Date #: 05/07/19**



**Date:** 05/07/19

**GS Job Number:** 125959

**Company Name:** Raba Kistner Environmental-San Antonio

**Project Number:** ASF19-053-00

**Site Information:** NBU ESA  
3295 Westpointe Dr,  
New Braunfels, TX 78132

The collections of fire insurance maps listed below were reviewed according to the site information supplied by client. Based on the information provided, no coverage is available.

Library of Congress  
University Publications of America  
Other Libraries (universities, state, local, etc.).

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**ATTACHMENT H**

**HISTORICAL TOPOGRAPHIC MAPS**

---

## ***Historical Topographic Maps***

---

[NEW: GeoLens by Geosearch](#)

*Target Property:*

**NBU ESA  
3295 Westpointe Dr  
New Braunfels, Comal, Texas 78132**

*Prepared For:*

**Raba Kistner Environmental-San Antonio**

**Order #: 125959**

**Job #: 292177**

**Project #: ASF19-053-00**

**Date: 5/7/2019**

## **Target Property Summary**

**NBU ESA**

**3295 Westpointe Dr**

**New Braunfels, Comal, Texas 78132**

USGS Quadrangle: **NEW BRAUNFELS WEST**

Target Property Geometry: **Area**

Target Property Longitude(s)/Latitude(s):

**(-98.172895371, 29.708036914), (-98.176564633, 29.705166726), (-98.173431813, 29.702296456),**

**(-98.169934212, 29.705353105)**

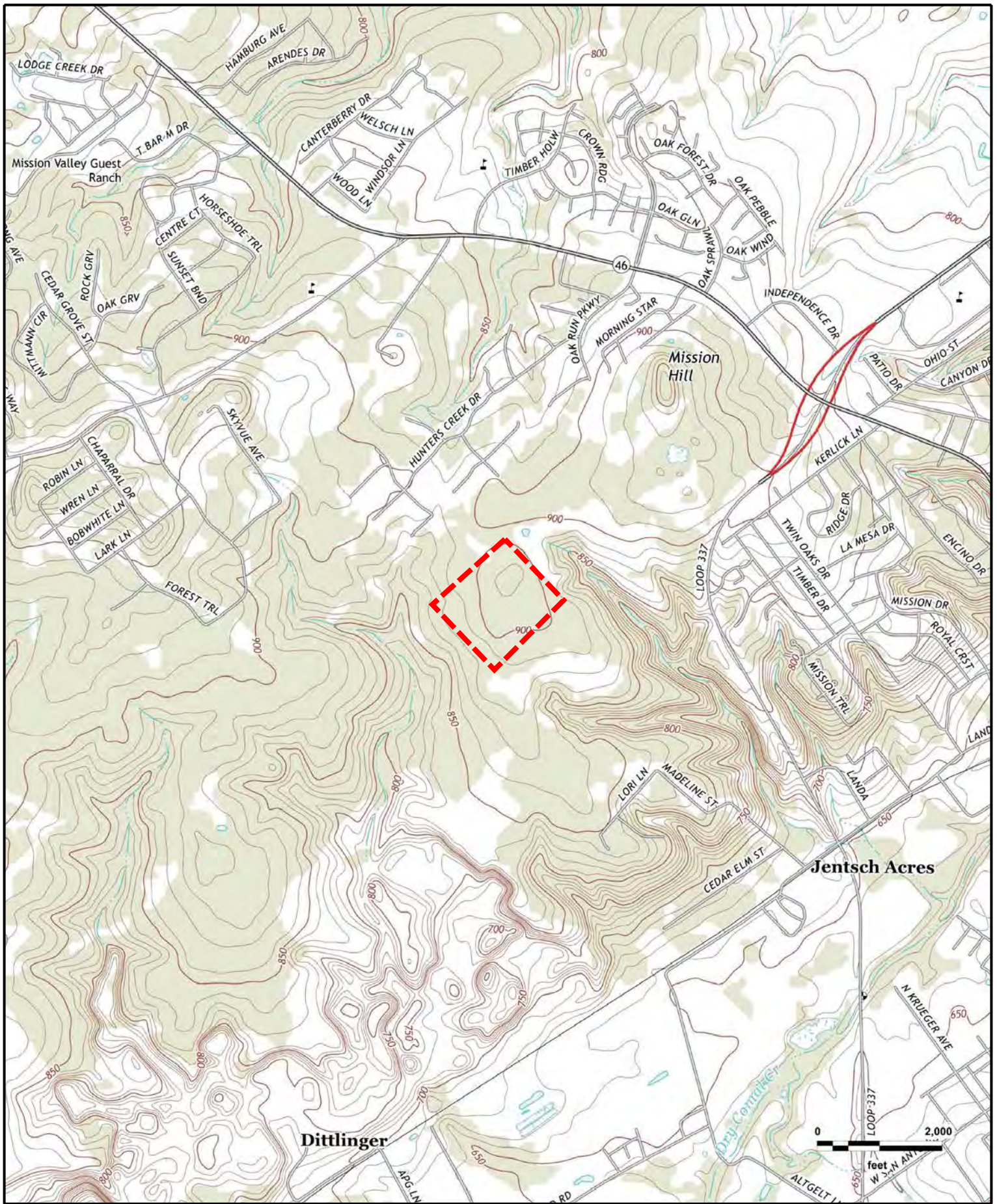


## ***Topographic Map Summary***

<u>Date</u>	<u>Quadrangle</u>	<u>Scale</u>
<b>2013</b>	<b><i>New Braunfels West, TX</i></b>	<b><i>1" = 2000'</i></b>
<b>1988</b>	<b><i>New Braunfels West, TX</i></b>	<b><i>1" = 2000'</i></b>
<b>1958 PHOTOREVISED 1973</b>	<b><i>New Braunfels West, TX</i></b>	<b><i>1" = 2000'</i></b>
<b>1958</b>	<b><i>New Braunfels West, TX</i></b>	<b><i>1" = 2000'</i></b>

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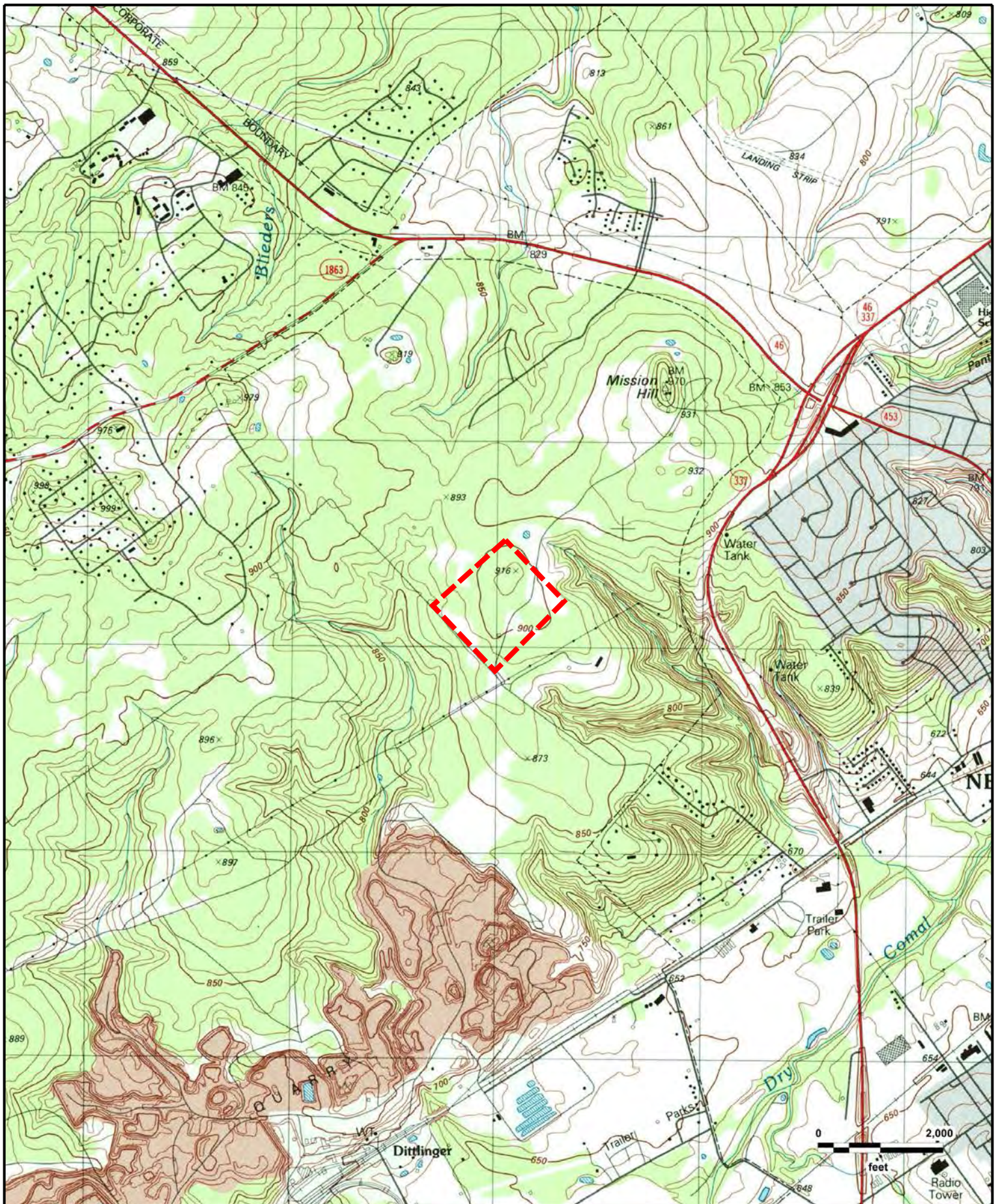




NBU ESA  
New Braunfels West, TX (2013)

GeoSearch

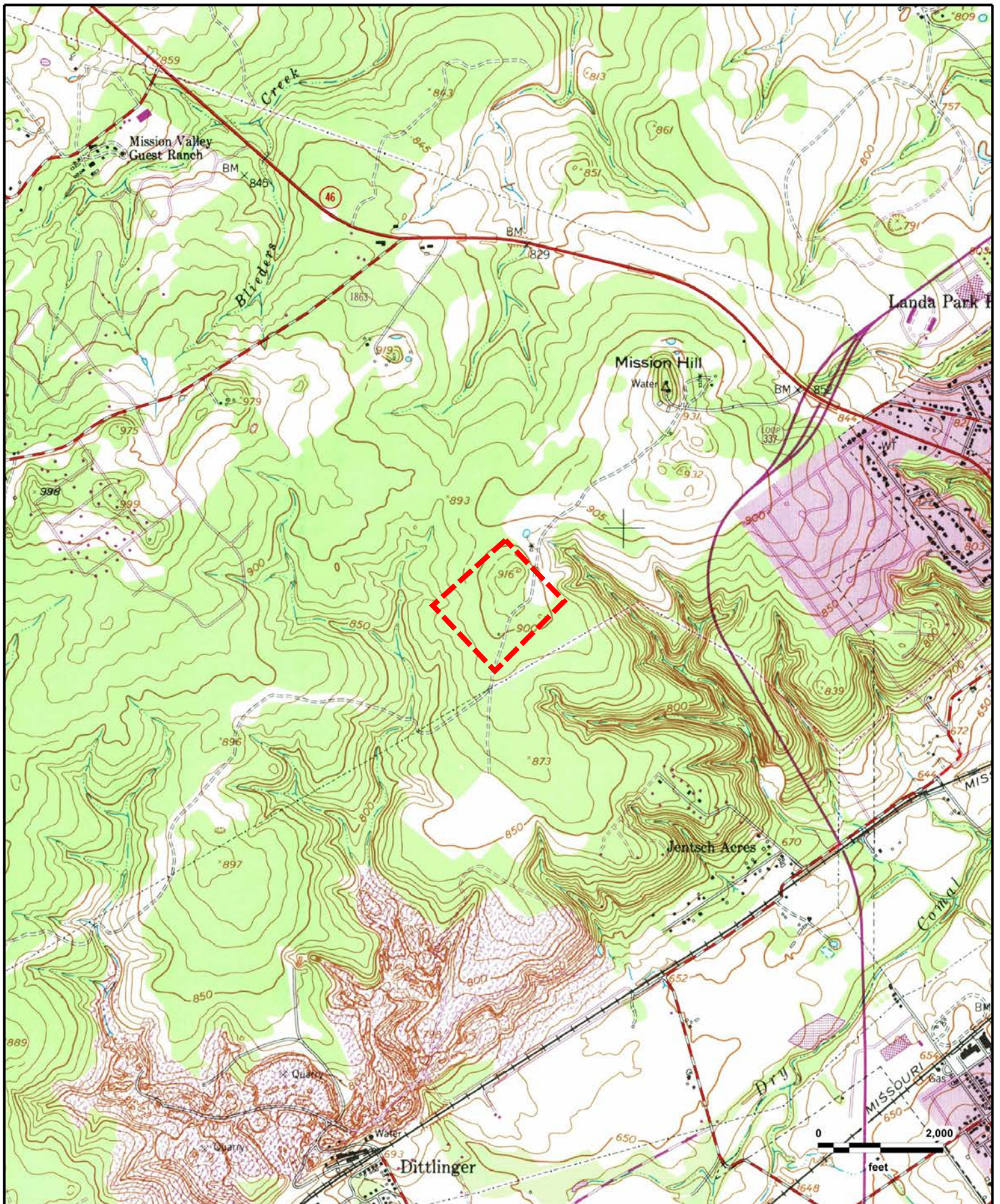




NBU ESA  
New Braunfels West, TX (1988)

GeoSearch

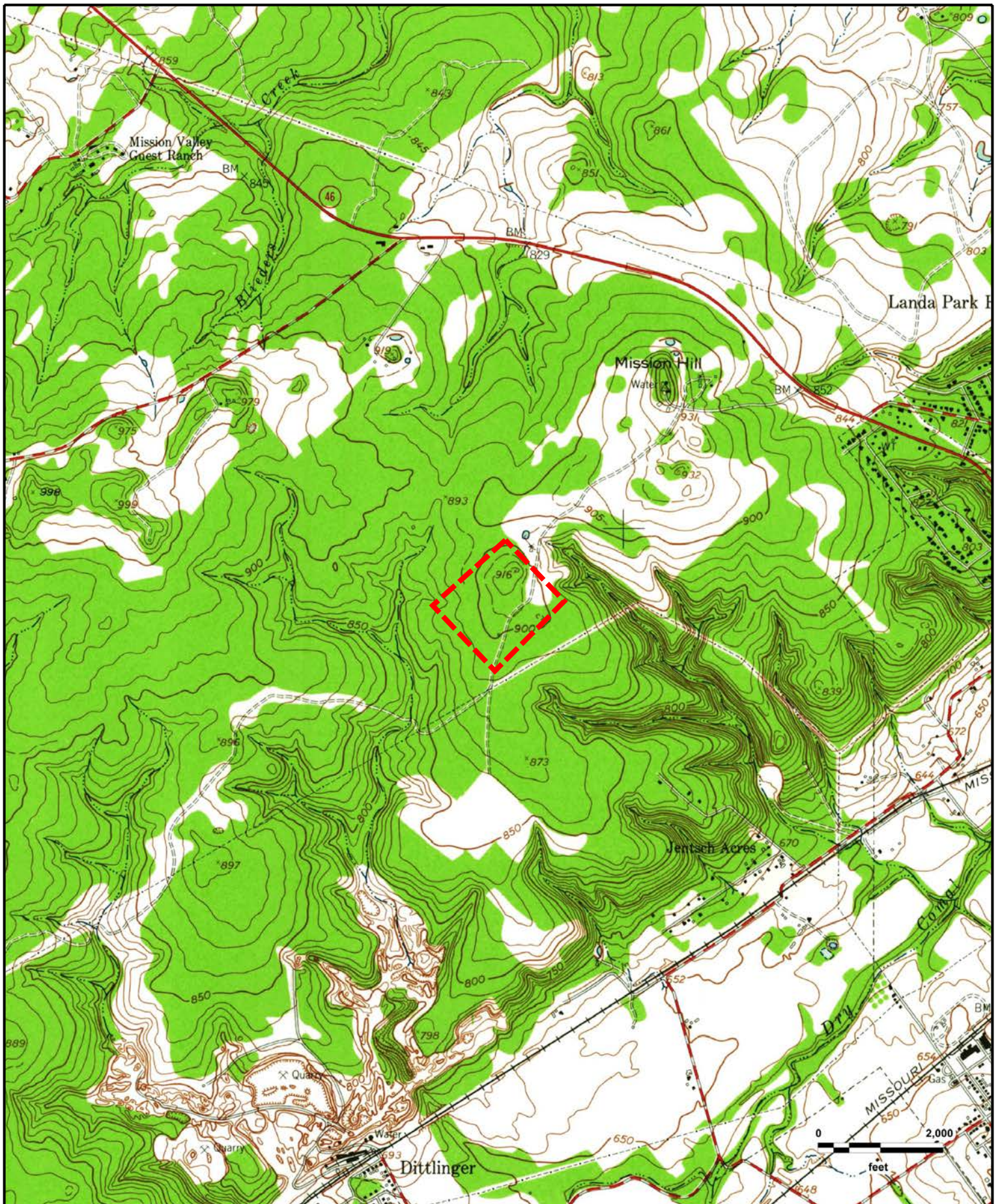




NBU ESA  
New Braunfels West, TX (1973)

GeoSearch





NBU ESA  
New Braunfels West, TX (1958)

GeoSearch



**ATTACHMENT I**

**GEOSEARCH RADIUS REPORT**

---

## ***Radius Report***

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[GeoLens by GeoSearch](#)

*Target Property:*

**NBU ESA  
3295 Westpointe Dr  
New Braunfels, Comal County, Texas 78132**

*Prepared For:*

**Raba Kistner Environmental-San Antonio**

**Order #: 125959**

**Job #: 292175**

**Project #: ASF19-053-00**

**Date: 05/07/2019**



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## Table of Contents

---

<i>Target Property Summary</i> . . . . .	1
<i>Database Summary</i> . . . . .	2
<i>Database Radius Summary</i> . . . . .	8
<i>Radius Map</i> . . . . .	13
<i>Ortho Map</i> . . . . .	15
<i>Topographic Map</i> . . . . .	16
<i>Unlocated Sites Summary</i> . . . . .	18
<i>Environmental Records Definitions</i> . . . . .	20
<i>Unlocatable Report</i> . . . . .	See Attachment
<i>Zip Report</i> . . . . .	See Attachment

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## Disclaimer

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*This report was designed by GeoSearch to meet or exceed the records search requirements of the All Appropriate Inquiries Rule (40 CFR § 312.26) and the current version of the ASTM International E1527, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process or, if applicable, the custom requirements requested by the entity that ordered this report. The records and databases of records used to compile this report were collected from various federal, state and local governmental entities. It is the goal of GeoSearch to meet or exceed the 40 CFR § 312.26 and E1527 requirements for updating records by using the best available technology. GeoSearch contacts the appropriate governmental entities on a recurring basis. Depending on the frequency with which a record source or database of records is updated by the governmental entity, the data used to prepare this report may be updated monthly, quarterly, semi-annually, or annually.*

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## Target Property Summary

### **Target Property Information**

NBU ESA

3295 Westpointe Dr

New Braunfels, Texas 78132

#### **Coordinates**

Area centroid (-98.173223, 29.7051968)

912 feet above sea level

#### **USGS Quadrangle**

New Braunfels West, TX

### **Geographic Coverage Information**

**County/Parish:** Comal (TX)

**ZipCode(s):**

New Braunfels TX: 78130, 78132



## Database Summary

### **FEDERAL LISTING**

#### **Standard Environmental Records**

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
EMERGENCY RESPONSE NOTIFICATION SYSTEM	<a href="#">ERNSTX</a>	0	0	TP/AP
FEDERAL ENGINEERING INSTITUTIONAL CONTROL SITES	<a href="#">EC</a>	0	0	TP/AP
LAND USE CONTROL INFORMATION SYSTEM	<a href="#">LUCIS</a>	0	0	TP/AP
RCRA SITES WITH CONTROLS	<a href="#">RCRASC</a>	0	0	TP/AP
RESOURCE CONSERVATION & RECOVERY ACT - GENERATOR	<a href="#">RCRAGR06</a>	0	0	0.1250
RESOURCE CONSERVATION & RECOVERY ACT - NON-GENERATOR	<a href="#">RCRANGR06</a>	0	0	0.1250
BROWNFIELDS MANAGEMENT SYSTEM	<a href="#">BF</a>	0	0	0.5000
DELISTED NATIONAL PRIORITIES LIST	<a href="#">DNPL</a>	0	0	0.5000
NO LONGER REGULATED RCRA NON-CORRACTS TSD FACILITIES	<a href="#">NLRRCRAT</a>	0	0	0.5000
RESOURCE CONSERVATION & RECOVERY ACT - NON-CORRACTS TREATMENT, STORAGE & DISPOSAL FACILITIES	<a href="#">RCRAT</a>	0	0	0.5000
SUPERFUND ENTERPRISE MANAGEMENT SYSTEM	<a href="#">SEMS</a>	0	0	0.5000
SUPERFUND ENTERPRISE MANAGEMENT SYSTEM ARCHIVED SITE INVENTORY	<a href="#">SEMSARCH</a>	0	0	0.5000
NATIONAL PRIORITIES LIST	<a href="#">NPL</a>	0	0	1.0000
NO LONGER REGULATED RCRA CORRECTIVE ACTION FACILITIES	<a href="#">NLRRCRAC</a>	0	0	1.0000
PROPOSED NATIONAL PRIORITIES LIST	<a href="#">PNPL</a>	0	0	1.0000
RESOURCE CONSERVATION & RECOVERY ACT - CORRECTIVE ACTION FACILITIES	<a href="#">RCRAC</a>	0	0	1.0000
RESOURCE CONSERVATION & RECOVERY ACT - SUBJECT TO CORRECTIVE ACTION FACILITIES	<a href="#">RCRASUBC</a>	0	0	1.0000
SUB-TOTAL		0	0	

#### **Additional Environmental Records**

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
AEROMETRIC INFORMATION RETRIEVAL SYSTEM / AIR FACILITY SUBSYSTEM	<a href="#">AIRSAFS</a>	0	0	TP/AP
BIENNIAL REPORTING SYSTEM	<a href="#">BRS</a>	0	0	TP/AP
CERCLIS LIENS	<a href="#">SFLIENS</a>	0	0	TP/AP
CLANDESTINE DRUG LABORATORY LOCATIONS	<a href="#">CDL</a>	0	0	TP/AP
EPA DOCKET DATA	<a href="#">DOCKETS</a>	0	0	TP/AP
ENFORCEMENT AND COMPLIANCE HISTORY INFORMATION	<a href="#">ECHOR06</a>	0	0	TP/AP
FACILITY REGISTRY SYSTEM	<a href="#">FRSTX</a>	0	0	TP/AP

## Database Summary

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
HAZARDOUS MATERIALS INCIDENT REPORTING SYSTEM	<a href="#">HMIRSR06</a>	0	0	TP/AP
INTEGRATED COMPLIANCE INFORMATION SYSTEM (FORMERLY DOCKETS)	<a href="#">ICIS</a>	0	0	TP/AP
INTEGRATED COMPLIANCE INFORMATION SYSTEM NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	<a href="#">ICISNPDES</a>	0	0	TP/AP
MATERIAL LICENSING TRACKING SYSTEM	<a href="#">MLTS</a>	0	0	TP/AP
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	<a href="#">NPDESR06</a>	0	0	TP/AP
PCB ACTIVITY DATABASE SYSTEM	<a href="#">PADS</a>	0	0	TP/AP
PERMIT COMPLIANCE SYSTEM	<a href="#">PCSR06</a>	0	0	TP/AP
SEMS LIEN ON PROPERTY	<a href="#">SEMSLIENS</a>	0	0	TP/AP
SECTION SEVEN TRACKING SYSTEM	<a href="#">SSTS</a>	0	0	TP/AP
TOXIC SUBSTANCE CONTROL ACT INVENTORY	<a href="#">TSCA</a>	0	0	TP/AP
TOXICS RELEASE INVENTORY	<a href="#">TRI</a>	0	0	TP/AP
ALTERNATIVE FUELING STATIONS	<a href="#">ALTFUELS</a>	0	0	0.2500
FEMA OWNED STORAGE TANKS	<a href="#">FEMAUST</a>	0	0	0.2500
HISTORICAL GAS STATIONS	<a href="#">HISTPST</a>	0	0	0.2500
INTEGRATED COMPLIANCE INFORMATION SYSTEM DRYCLEANERS	<a href="#">ICISCLEANERS</a>	0	0	0.2500
MINE SAFETY AND HEALTH ADMINISTRATION MASTER INDEX FILE	<a href="#">MSHA</a>	0	0	0.2500
MINERAL RESOURCE DATA SYSTEM	<a href="#">MRDS</a>	0	0	0.2500
OPEN DUMP INVENTORY	<a href="#">ODI</a>	0	0	0.5000
SURFACE MINING CONTROL AND RECLAMATION ACT SITES	<a href="#">SMCRA</a>	0	0	0.5000
URANIUM MILL TAILINGS RADIATION CONTROL ACT SITES	<a href="#">USUMTRCA</a>	0	0	0.5000
DEPARTMENT OF DEFENSE SITES	<a href="#">DOD</a>	0	0	1.0000
FORMER MILITARY NIKE MISSILE SITES	<a href="#">NMS</a>	0	0	1.0000
FORMERLY USED DEFENSE SITES	<a href="#">FUDS</a>	0	0	1.0000
FORMERLY UTILIZED SITES REMEDIAL ACTION PROGRAM	<a href="#">FUSRAP</a>	0	0	1.0000
RECORD OF DECISION SYSTEM	<a href="#">RODS</a>	0	0	1.0000
SUB-TOTAL		0	0	

## Database Summary

### STATE (TX) LISTING

#### Standard Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
STATE INSTITUTIONAL/ENGINEERING CONTROL SITES	<a href="#">SIEC01</a>	0	0	TP/AP
PETROLEUM STORAGE TANKS	<a href="#">PST</a>	0	0	0.2500
BROWNFIELDS SITE ASSESSMENTS	<a href="#">BSA</a>	0	0	0.5000
CLOSED & ABANDONED LANDFILL INVENTORY	<a href="#">CALF</a>	0	0	0.5000
LEAKING PETROLEUM STORAGE TANKS	<a href="#">LPST</a>	0	0	0.5000
MUNICIPAL SOLID WASTE LANDFILL SITES	<a href="#">MSWLF</a>	0	0	0.5000
RAILROAD COMMISSION VCP AND BROWNFIELD SITES	<a href="#">RRCVCP</a>	0	0	0.5000
VOLUNTARY CLEANUP PROGRAM SITES	<a href="#">VCP</a>	0	0	0.5000
STATE SUPERFUND SITES	<a href="#">SF</a>	0	0	1.0000
SUB-TOTAL		0	0	

#### Additional Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
GROUNDWATER CONTAMINATION CASES	<a href="#">GWCC</a>	0	0	TP/AP
HISTORIC GROUNDWATER CONTAMINATION CASES	<a href="#">HISTGWCC</a>	0	0	TP/AP
LAND APPLICATION PERMITS	<a href="#">LANDAPP</a>	0	0	TP/AP
MUNICIPAL SETTING DESIGNATIONS	<a href="#">MSD</a>	0	0	TP/AP
NOTICE OF VIOLATIONS	<a href="#">NOV</a>	0	0	TP/AP
SPILLS LISTING	<a href="#">SPILLS</a>	0	0	TP/AP
TCEQ LIENS	<a href="#">LIENS</a>	0	0	TP/AP
TIER I I CHEMICAL REPORTING PROGRAM FACILITIES	<a href="#">TIERII</a>	0	0	TP/AP
DRY CLEANER REGISTRATION DATABASE	<a href="#">DCR</a>	0	0	0.2500
INDUSTRIAL AND HAZARDOUS WASTE SITES	<a href="#">IHW</a>	0	0	0.2500
PERMITTED INDUSTRIAL HAZARDOUS WASTE SITES	<a href="#">PIHW</a>	0	0	0.2500
AFFECTED PROPERTY ASSESSMENT REPORTS	<a href="#">APAR</a>	0	0	0.5000
DRY CLEANER REMEDIATION PROGRAM SITES	<a href="#">DCRPS</a>	0	0	0.5000
INNOCENT OWNER / OPERATOR DATABASE	<a href="#">IOP</a>	0	0	0.5000
RADIOACTIVE WASTE SITES	<a href="#">RWS</a>	0	0	0.5000
RECYCLING FACILITIES	<a href="#">WMRF</a>	0	0	0.5000
SALT CAVERNS FOR PETROLEUM STORAGE	<a href="#">STCV</a>	0	0	0.5000
INDUSTRIAL AND HAZARDOUS WASTE CORRECTIVE ACTION SITES	<a href="#">IHWCA</a>	0	0	1.0000



**Database Summary**

SUB-TOTAL		0	0	
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## Database Summary

### LOCAL LISTING

#### Additional Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
EDWARDS AQUIFER PERMITS	<a href="#">EAP</a>	0	0	TP/AP
SUB-TOTAL		0	0	

## Database Summary

### **TRIBAL LISTING**

#### **Standard Environmental Records**

<b>Database</b>	<b>Acronym</b>	<b>Locatable</b>	<b>Unlocatable</b>	<b>Search Radius (miles)</b>
UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	<a href="#">USTR06</a>	0	0	0.2500
LEAKING UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	<a href="#">LUSTR06</a>	0	0	0.5000
OPEN DUMP INVENTORY ON TRIBAL LANDS	<a href="#">ODINDIAN</a>	0	0	0.5000

SUB-TOTAL		0	0	
-----------	--	---	---	--

#### **Additional Environmental Records**

<b>Database</b>	<b>Acronym</b>	<b>Locatable</b>	<b>Unlocatable</b>	<b>Search Radius (miles)</b>
INDIAN RESERVATIONS	<a href="#">INDIANRES</a>	0	0	1.0000

SUB-TOTAL		0	0	
-----------	--	---	---	--

TOTAL		0	0	
-------	--	---	---	--

## Database Radius Summary

### **FEDERAL LISTING**

Standard environmental records are displayed in **bold**.

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
AIRSAFS	0.0200	0	NS	NS	NS	NS	NS	0
BRS	0.0200	0	NS	NS	NS	NS	NS	0
CDL	0.0200	0	NS	NS	NS	NS	NS	0
DOCKETS	0.0200	0	NS	NS	NS	NS	NS	0
<b>EC</b>	<b>0.0200</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
ECHOR06	0.0200	0	NS	NS	NS	NS	NS	0
<b>ERNSTX</b>	<b>0.0200</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
FRSTX	0.0200	0	NS	NS	NS	NS	NS	0
HMIRSR06	0.0200	0	NS	NS	NS	NS	NS	0
ICIS	0.0200	0	NS	NS	NS	NS	NS	0
ICISNPDES	0.0200	0	NS	NS	NS	NS	NS	0
<b>LUCIS</b>	<b>0.0200</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
MLTS	0.0200	0	NS	NS	NS	NS	NS	0
NPDES06	0.0200	0	NS	NS	NS	NS	NS	0
PADS	0.0200	0	NS	NS	NS	NS	NS	0
PCSR06	0.0200	0	NS	NS	NS	NS	NS	0
<b>RCRASC</b>	<b>0.0200</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
SEMSLIENS	0.0200	0	NS	NS	NS	NS	NS	0
SFLIENS	0.0200	0	NS	NS	NS	NS	NS	0
SSTS	0.0200	0	NS	NS	NS	NS	NS	0
TRI	0.0200	0	NS	NS	NS	NS	NS	0
TSCA	0.0200	0	NS	NS	NS	NS	NS	0
<b>RCRAGR06</b>	<b>0.1250</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>RCRANGR06</b>	<b>0.1250</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
ALTFUELS	0.2500	0	0	0	NS	NS	NS	0
FEMAUST	0.2500	0	0	0	NS	NS	NS	0
HISTPST	0.2500	0	0	0	NS	NS	NS	0
ICISCLEANERS	0.2500	0	0	0	NS	NS	NS	0
MRDS	0.2500	0	0	0	NS	NS	NS	0
MSHA	0.2500	0	0	0	NS	NS	NS	0
<b>BF</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>DNPL</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>NLRRCRAT</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
ODI	0.5000	0	0	0	0	NS	NS	0
<b>RCRAT</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>



## Database Radius Summary

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
<b>SEMS</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>SEMSARCH</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
SMCRA	0.5000	0	0	0	0	NS	NS	0
USUMTRCA	0.5000	0	0	0	0	NS	NS	0
DOD	1.0000	0	0	0	0	0	NS	0
FUDS	1.0000	0	0	0	0	0	NS	0
FUSRAP	1.0000	0	0	0	0	0	NS	0
<b>NLRRCRAC</b>	<b>1.0000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>0</b>
NMS	1.0000	0	0	0	0	0	NS	0
<b>NPL</b>	<b>1.0000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>0</b>
<b>PNPL</b>	<b>1.0000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>0</b>
<b>RCRAC</b>	<b>1.0000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>0</b>
<b>RCRASUBC</b>	<b>1.0000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>0</b>
RODS	1.0000	0	0	0	0	0	NS	0
<b>SUB-TOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Database Radius Summary

### STATE (TX) LISTING

Standard environmental records are displayed in **bold**.

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
GWCC	0.0200	0	NS	NS	NS	NS	NS	0
HISTGWCC	0.0200	0	NS	NS	NS	NS	NS	0
LANDAPP	0.0200	0	NS	NS	NS	NS	NS	0
LIENS	0.0200	0	NS	NS	NS	NS	NS	0
MSD	0.0200	0	NS	NS	NS	NS	NS	0
NOV	0.0200	0	NS	NS	NS	NS	NS	0
<b>SIEC01</b>	<b>0.0200</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
SPILLS	0.0200	0	NS	NS	NS	NS	NS	0
TIERII	0.0200	0	NS	NS	NS	NS	NS	0
DCR	0.2500	0	0	0	NS	NS	NS	0
IHW	0.2500	0	0	0	NS	NS	NS	0
PIHW	0.2500	0	0	0	NS	NS	NS	0
<b>PST</b>	<b>0.2500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
APAR	0.5000	0	0	0	0	NS	NS	0
<b>BSA</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>CALF</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
DCRPS	0.5000	0	0	0	0	NS	NS	0
IOP	0.5000	0	0	0	0	NS	NS	0
<b>LPST</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>MSWLF</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>RRCVCP</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
RWS	0.5000	0	0	0	0	NS	NS	0
STCV	0.5000	0	0	0	0	NS	NS	0
<b>VCP</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
WMRF	0.5000	0	0	0	0	NS	NS	0
IHWCA	1.0000	0	0	0	0	0	NS	0
<b>SF</b>	<b>1.0000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>0</b>
SUB-TOTAL		0	0	0	0	0	0	0

## Database Radius Summary

### LOCAL LISTING

Standard environmental records are displayed in **bold**.

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
EAP	0.0200	0	NS	NS	NS	NS	NS	0
SUB-TOTAL		0	0	0	0	0	0	0

## Database Radius Summary

### **TRIBAL LISTING**

Standard environmental records are displayed in **bold**.

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
<b>USTR06</b>	<b>0.2500</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>LUSTR06</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>ODINDIAN</b>	<b>0.5000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>NS</b>	<b>0</b>
<b>INDIANRES</b>	<b>1.0000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>NS</b>	<b>0</b>

<b>SUB-TOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
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<b>TOTAL</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
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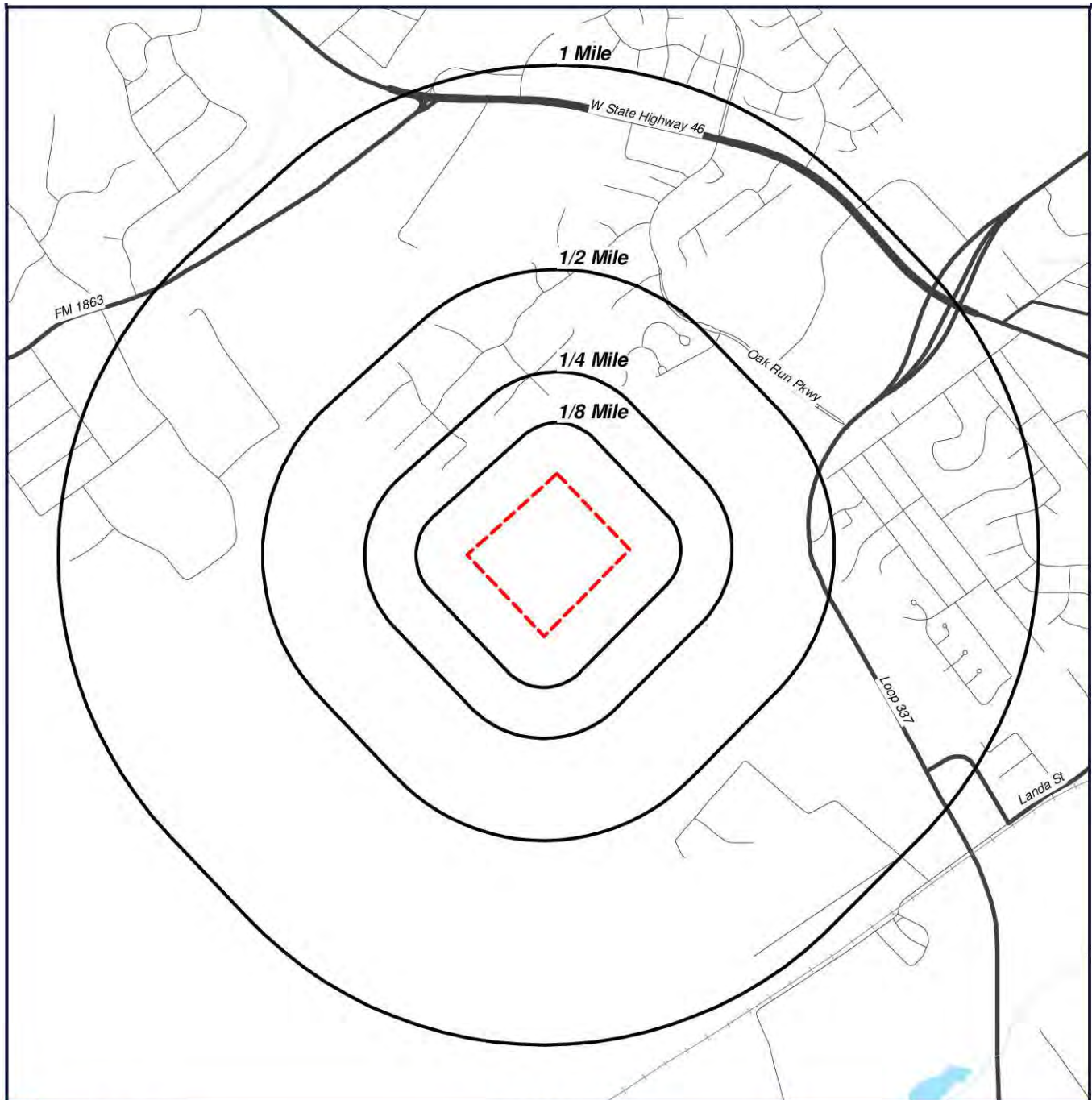
**NOTES:**

**NS = NOT SEARCHED**

**TP/AP = TARGET PROPERTY/ADJACENT PROPERTY**



## Radius Map 1



 Target Property (TP)

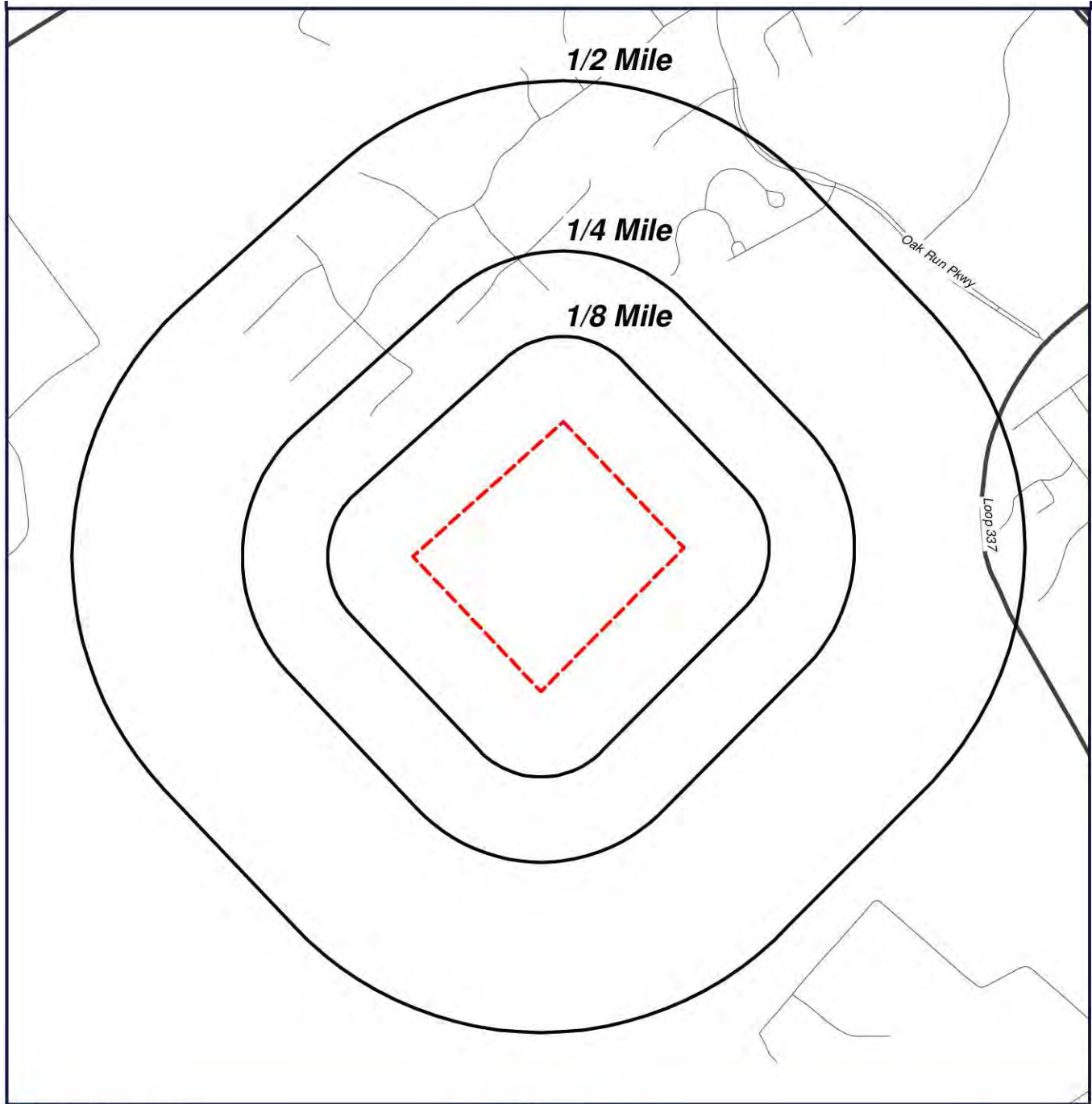
**NBU ESA**  
**3295 Westpointe Dr**  
**New Braunfels, Texas**  
**78132**




0' 1000' 2000' 3000'  
SCALE: 1" = 2000'

[Click here to access Satellite view](#)

## Radius Map 2



 Target Property (TP)

**NBU ESA**  
**3295 Westpointe Dr**  
**New Braunfels, Texas**  
**78132**




0' 600' 1200' 1800'  
SCALE: 1" = 1200'

[Click here to access Satellite view](#)



## Ortho Map



 Target Property (TP)

**Quadrangle(s): New Braunfels**  
**West**  
**NBU ESA**  
**3295 Westpointe Dr**  
**New Braunfels, Texas**  
**78132**

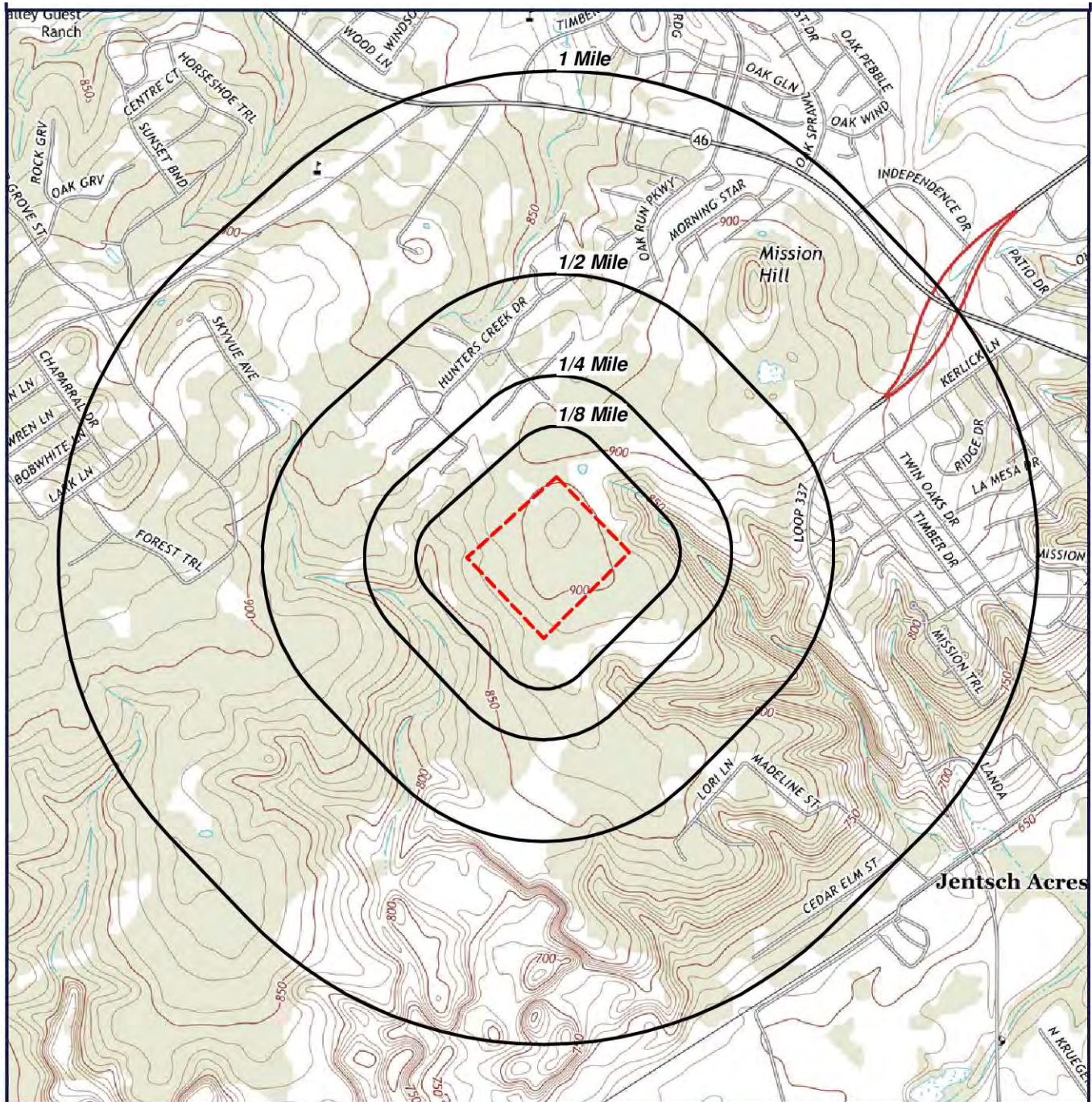



0' 600' 1200' 1800'  
SCALE: 1" = 1200'

[Click here to access Satellite view](#)



# Topographic Map



 Target Property (TP)

**Quadrangle(s): New Braunfels  
West**  
**Source: USGS, 02/22/2013**  
**NBU ESA**  
**3295 Westpointe Dr**  
**New Braunfels, Texas**  
**78132**



0' 1000' 2000' 3000'  
SCALE: 1" = 2000'

[Click here to access Satellite view](#)



## ***Located Sites Summary***

*No Records Found.*

## ***Elevation Summary***

*Elevations are collected from the USGS 3D Elevation Program 1/3 arc-second (approximately 10 meters) layer hosted at the NGTOC. .*

**Target Property Elevation: 912 ft.**

*NOTE: Standard environmental records are displayed in **bold**.*

***No Records Found.***

## ***Unlocated Sites Summary***

*This list contains sites that could not be mapped due to limited or incomplete address information.*

*No Records Found*

## ***Environmental Records Definitions - FEDERAL***

### **AIRSAFS**

Aerometric Information Retrieval System / Air Facility Subsystem

VERSION DATE: 10/20/14

The United States Environmental Protection Agency (EPA) modified the Aerometric Information Retrieval System (AIRS) to a database that exclusively tracks the compliance of stationary sources of air pollution with EPA regulations: the Air Facility Subsystem (AFS). Since this change in 2001, the management of the AIRS/AFS database was assigned to EPA's Office of Enforcement and Compliance Assurance.

### **BRS**

Biennial Reporting System

VERSION DATE: 12/31/15

The United States Environmental Protection Agency (EPA), in cooperation with the States, biennially collects information regarding the generation, management, and final disposition of hazardous wastes regulated under the Resource Conservation and Recovery Act of 1976 (RCRA), as amended. The Biennial Report captures detailed data on the generation of hazardous waste from large quantity generators and data on waste management practices from treatment, storage and disposal facilities. Currently, the EPA states that data collected between 1991 and 1997 was originally a part of the defunct Biennial Reporting System and is now incorporated into the RCRAInfo data system.

### **CDL**

Clandestine Drug Laboratory Locations

VERSION DATE: 10/05/17

The U.S. Department of Justice ("the Department") provides this information as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments. The Department does not establish, implement, enforce, or certify compliance with clean-up or remediation standards for contaminated sites; the public should contact a state or local health department or environmental protection agency for that information.

### **DOCKETS**

EPA Docket Data

VERSION DATE: 12/22/05

The United States Environmental Protection Agency Docket data lists Civil Case Defendants, filing dates as far back as 1971, laws broken including section, violations that occurred, pollutants involved, penalties assessed and superfund awards by facility and location. Please refer to ICIS database as source of current data.

### **EC**

Federal Engineering Institutional Control Sites

VERSION DATE: 08/03/15

This database includes site locations where Engineering and/or Institutional Controls have been identified as part



## ***Environmental Records Definitions - FEDERAL***

of a selected remedy for the site as defined by United States Environmental Protection Agency official remedy decision documents. A site listing does not indicate that the institutional and engineering controls are currently in place nor will be in place once the remedy is complete; it only indicates that the decision to include either of them in the remedy is documented as of the completed date of the document. Institutional controls are actions, such as legal controls, that help minimize the potential for human exposure to contamination by ensuring appropriate land or resource use. Engineering controls include caps, barriers, or other device engineering to prevent access, exposure, or continued migration of contamination. The data included in this report was extracted from the final CERCLIS dataset (CERCLIS was a Superfund data system that EPA decommissioned in 2014 following its deployment of the Superfund Enterprise Management System), which represents program progress as of the end of fiscal year 2013.

### **ECHOR06** Enforcement and Compliance History Information

VERSION DATE: 03/09/19

The U.S. Environmental Protection Agency's Enforcement and Compliance History Online (ECHO) database, provides compliance and enforcement information for facilities nationwide. This database includes facilities regulated as Clean Air Act stationary sources, Clean Water Act direct dischargers, Resource Conservation and Recovery Act hazardous waste handlers, Safe Drinking Water Act public water systems along with other data, such as Toxics Release Inventory releases.

### **ERNSTX** Emergency Response Notification System

VERSION DATE: 04/07/19

This National Response Center database contains data on reported releases of oil, chemical, radiological, biological, and/or etiological discharges into the environment anywhere in the United States and its territories. The data comes from spill reports made to the U.S. Environmental Protection Agency, U.S. Coast Guard, the National Response Center and/or the U.S. Department of Transportation.

### **FRSTX** Facility Registry System

VERSION DATE: 04/05/19

The United States Environmental Protection Agency's Office of Environmental Information (OEI) developed the Facility Registry System (FRS) as the centrally managed database that identifies facilities, sites or places subject to environmental regulations or of environmental interest. The Facility Registry System replaced the Facility Index System or FINDS database.

### **HMIRS06** Hazardous Materials Incident Reporting System

VERSION DATE: 09/30/18

The HMIRS database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation located in EPA Region 6. This region includes the following states: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.

## ***Environmental Records Definitions - FEDERAL***

**ICIS** Integrated Compliance Information System (formerly DOCKETS)

VERSION DATE: 03/09/19

ICIS is a case activity tracking and management system for civil, judicial, and administrative federal Environmental Protection Agency enforcement cases. ICIS contains information on federal administrative and federal judicial cases under the following environmental statutes: the Clean Air Act, the Clean Water Act, the Resource Conservation and Recovery Act, the Emergency Planning and Community Right-to-Know Act - Section 313, the Toxic Substances Control Act, the Federal Insecticide, Fungicide, and Rodenticide Act, the Comprehensive Environmental Response, Compensation, and Liability Act, the Safe Drinking Water Act, and the Marine Protection, Research, and Sanctuaries Act.

**ICISNPDES** Integrated Compliance Information System National Pollutant Discharge Elimination System

VERSION DATE: 07/09/17

Authorized by the Clean Water Act, the National Pollutant Discharge Elimination System (NPDES) permit program controls water pollution by regulating point sources that discharge pollutants into waters of the United States. This database is provided by the U.S. Environmental Protection Agency.

**LUCIS** Land Use Control Information System

VERSION DATE: 09/01/06

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.

**MLTS** Material Licensing Tracking System

VERSION DATE: 06/29/17

MLTS is a list of approximately 8,100 sites which have or use radioactive materials subject to the United States Nuclear Regulatory Commission (NRC) licensing requirements. Disclaimer: Due to agency regulations and policies, this database contains applicant/licensee location information which may or may not be related to the physical location per MLTS site.

**NPDESRO6** National Pollutant Discharge Elimination System

VERSION DATE: 04/01/07

Authorized by the Clean Water Act, the National Pollutant Discharge Elimination System (NPDES) permit program controls water pollution by regulating point sources that discharge pollutants into waters of the United States. The NPDES database was collected from the U.S. Environmental Protection Agency (EPA) from December 2002 through April 2007. Refer to the PCS and/or ICIS-NPDES database as source of current data. This database includes permitted facilities located in EPA Region 6. This region includes the following states: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.

## ***Environmental Records Definitions - FEDERAL***

**PADS** PCB Activity Database System

VERSION DATE: 09/14/18

PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the U.S. Environmental Protection Agency of such activities.

**PCSR06** Permit Compliance System

VERSION DATE: 08/01/12

The Permit Compliance System is used in tracking enforcement status and permit compliance of facilities controlled by the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act and is maintained by the United States Environmental Protection Agency's Office of Compliance. PCS is designed to support the NPDES program at the state, regional, and national levels. This database includes permitted facilities located in EPA Region 6. This region includes the following states: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas. PCS has been modernized, and no longer exists. National Pollutant Discharge Elimination System (ICIS-NPDES) data can now be found in Integrated Compliance Information System (ICIS).

**RCRASC** RCRA Sites with Controls

VERSION DATE: 02/22/19

The Resource Conservation and Recovery Act (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. This listing refers to facilities with institutional controls in place.

**SEMSLIENS** SEMS Lien on Property

VERSION DATE: 08/13/18

The U.S. Environmental Protection Agency's (EPA) Office of Solid Waste and Emergency Response, Office of Superfund Remediation and Technology Innovation (OSRTI), has implemented The Superfund Enterprise Management System (SEMS), formerly known as CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System) to track and report on clean-up and enforcement activities taking place at Superfund sites. SEMS represents a joint development and ongoing collaboration between Superfund's Remedial, Removal, Federal Facilities, Enforcement and Emergency Response programs. This is a listing of SEMS sites with a lien on the property.

**SFLIENS** CERCLIS Liens

VERSION DATE: 06/08/12

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which United States

## ***Environmental Records Definitions - FEDERAL***

Environmental Protection Agency has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties. This database contains those CERCLIS sites where the Lien on Property action is complete. Please refer to the SEMSLIENS database as source of current data.

**SSTS** Section Seven Tracking System

VERSION DATE: 02/01/17

The United States Environmental Protection Agency tracks information on pesticide establishments through the Section Seven Tracking System (SSTS). SSTS records the registration of new establishments and records pesticide production at each establishment. The Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) requires that production of pesticides or devices be conducted in a registered pesticide-producing or device-producing establishment. ("Production" includes formulation, packaging, repackaging, and relabeling.)

**TRI** Toxics Release Inventory

VERSION DATE: 12/31/16

The Toxics Release Inventory, provided by the United States Environmental Protection Agency, includes data on toxic chemical releases and waste management activities from certain industries as well as federal and tribal facilities. This inventory contains information about the types and amounts of toxic chemicals that are released each year to the air, water, and land as well as information on the quantities of toxic chemicals sent to other facilities for further waste management.

**TSCA** Toxic Substance Control Act Inventory

VERSION DATE: 12/31/12

The Toxic Substances Control Act (TSCA) was enacted in 1976 to ensure that chemicals manufactured, imported, processed, or distributed in commerce, or used or disposed of in the United States do not pose any unreasonable risks to human health or the environment. TSCA section 8(b) provides the United States Environmental Protection Agency authority to "compile, keep current, and publish a list of each chemical substance that is manufactured or processed in the United States." This TSCA Chemical Substance Inventory contains non-confidential information on the production amount of toxic chemicals from each manufacturer and importer site.

**RCRAGR06** Resource Conservation & Recovery Act - Generator

VERSION DATE: 12/17/18

The Resource Conservation and Recovery Act (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. This listing refers to facilities currently generating hazardous waste. EPA region 6 includes the following states: Arkansas,



## Environmental Records Definitions - FEDERAL

Louisiana, New Mexico, Oklahoma, and Texas.

### RCRANGR06

Resource Conservation & Recovery Act - Non-Generator

VERSION DATE: 12/17/18

The Resource Conservation and Recovery Act (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. This listing refers to facilities classified as non-generators. Non-Generators do not presently generate hazardous waste. EPA Region 6 includes the following states: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.

### ALTFUELS

Alternative Fueling Stations

VERSION DATE: 03/01/19

Nationwide list of alternative fueling stations made available by the U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Bio-diesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE).

### FEMAUST

FEMA Owned Storage Tanks

VERSION DATE: 12/01/16

This is a listing of FEMA owned underground and aboveground storage tank sites. For security reasons, address information is not released to the public according to the U.S. Department of Homeland Security.

### HISTPST

Historical Gas Stations

VERSION DATE: NR

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.

### ICISCLEANERS

Integrated Compliance Information System Drycleaners

VERSION DATE: 03/09/19

This is a listing of drycleaner facilities from the Integrated Compliance Information System (ICIS). The U.S. Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

## ***Environmental Records Definitions - FEDERAL***

**MRDS** Mineral Resource Data System

VERSION DATE: 03/15/16

MRDS (Mineral Resource Data System) 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.

**MSHA** Mine Safety and Health Administration Master Index File

VERSION DATE: 03/15/19

The Mine dataset lists all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970. It includes such information as the current status of each mine (Active, Abandoned, NonProducing, etc.), the current owner and operating company, commodity codes and physical attributes of the mine. Mine ID is the unique key for this data. This information is provided by the United States Department of Labor - Mine Safety and Health Administration (MSHA).

**BF** Brownfields Management System

VERSION DATE: 03/31/19

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. The United States Environmental Protection Agency maintains this database to track activities in the various brown field grant programs including grantee assessment, site cleanup and site redevelopment. This database included tribal brownfield sites.

**DNPL** Delisted National Priorities List

VERSION DATE: 02/06/19

This database includes sites from the United States Environmental Protection Agency's Final National Priorities List (NPL) where remedies have proven to be satisfactory or sites where the original analyses were inaccurate, and the site is no longer appropriate for inclusion on the NPL, and final publication in the Federal Register has occurred.

**NLRRCRAT** No Longer Regulated RCRA Non-CORRACTS TSD Facilities

VERSION DATE: 12/17/18

This database includes RCRA Non-Corrective Action TSD facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements. This listing includes facilities that formerly treated, stored or disposed of hazardous waste.

## ***Environmental Records Definitions - FEDERAL***

**ODI** Open Dump Inventory

VERSION DATE: 06/01/85

The open dump inventory was published by the United States Environmental Protection Agency. An "open dump" is defined as a facility or site where solid waste is disposed of which is not a sanitary landfill which meets the criteria promulgated under section 4004 of the Solid Waste Disposal Act (42 U.S.C. 6944) and which is not a facility for disposal of hazardous waste. This inventory has not been updated since June 1985.

**RCRAT** Resource Conservation & Recovery Act - Non-CORRACTS Treatment, Storage & Disposal Facilities

VERSION DATE: 12/17/18

The Resource Conservation and Recovery Act (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. This listing refers to facilities recognized as hazardous waste treatment, storage, and disposal sites (TSD).

**SEMS** Superfund Enterprise Management System

VERSION DATE: 03/11/19

The U.S. Environmental Protection Agency's (EPA) Office of Solid Waste and Emergency Response, Office of Superfund Remediation and Technology Innovation (OSRTI), has implemented The Superfund Enterprise Management System (SEMS), formerly known as CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System) to track and report on clean-up and enforcement activities taking place at Superfund sites. SEMS represents a joint development and ongoing collaboration between Superfund's Remedial, Removal, Federal Facilities, Enforcement and Emergency Response programs.

**SEMSARCH** Superfund Enterprise Management System Archived Site Inventory

VERSION DATE: 03/11/19

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System Archived Site Inventory (List 8R Archived) replaced the CERCLIS NFRAP reporting system in 2015. This listing reflects sites at which the EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program.

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

VERSION DATE: 03/19/19

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,

## ***Environmental Records Definitions - FEDERAL***

and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

### **USUMTRCA**

Uranium Mill Tailings Radiation Control Act Sites

VERSION DATE: 03/04/17

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).

### **DOD**

Department of Defense Sites

VERSION DATE: 12/01/14

This information originates from the National Atlas of the United States Federal Lands data, which includes lands owned or administered by the Federal government. Army DOD, Army Corps of Engineers DOD, Air Force DOD, Navy DOD and Marine DOD areas of 640 acres or more are included.

### **FUDS**

Formerly Used Defense Sites

VERSION DATE: 06/01/15

The Formerly Used Defense Sites (FUDS) inventory includes properties previously owned by or leased to the United States and under Secretary of Defense Jurisdiction, as well as Munitions Response Areas (MRAs). The remediation of these properties is the responsibility of the Department of Defense. This data is provided by the U.S. Army Corps of Engineers (USACE), the boundaries/polygon data are based on preliminary findings and not all properties currently have polygon data available. **DISCLAIMER:** This data represents the results of data collection/processing for a specific USACE activity and is in no way to be considered comprehensive or to be used in any legal or official capacity as presented on this site. While the USACE has made a reasonable effort to insure the accuracy of the maps and associated data, it should be explicitly noted that USACE makes no warranty, representation or guaranty, either expressed or implied, as to the content, sequence, accuracy, timeliness or completeness of any of the data provided herein. For additional information on Formerly Used Defense Sites please contact the USACE Public Affairs Office at (202) 528-4285.

### **FUSRAP**

Formerly Utilized Sites Remedial Action Program

VERSION DATE: 03/04/17

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.



## ***Environmental Records Definitions - FEDERAL***

### **NLRRCRAC**

No Longer Regulated RCRA Corrective Action Facilities

VERSION DATE: 12/17/18

This database includes RCRA Corrective Action facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements.

### **NMS**

Former Military Nike Missile Sites

VERSION DATE: 12/01/84

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.

### **NPL**

National Priorities List

VERSION DATE: 02/06/19

This database includes United States Environmental Protection Agency (EPA) National Priorities List sites that fall under the EPA's Superfund program, established to fund the cleanup of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action.

### **PNPL**

Proposed National Priorities List

VERSION DATE: 02/06/19

This database contains sites proposed to be included on the National Priorities List (NPL) in the Federal Register. The United States Environmental Protection Agency investigates these sites to determine if they may present long-term threats to public health or the environment.

### **RCRAC**

Resource Conservation & Recovery Act - Corrective Action Facilities

VERSION DATE: 12/17/18

The Resource Conservation and Recovery Act (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

## ***Environmental Records Definitions - FEDERAL***

that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities with corrective action activity.

### **RCRASUBC**

Resource Conservation & Recovery Act - Subject to Corrective Action Facilities

VERSION DATE: 12/17/18

The Resource Conservation and Recovery Act (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. This listing refers to facilities subject to corrective actions.

### **RODS**

Record of Decision System

VERSION DATE: 02/06/19

These decision documents maintained by the United States Environmental Protection Agency describe the chosen remedy for NPL (Superfund) site remediation. They also include site history, site description, site characteristics, community participation, enforcement activities, past and present activities, contaminated media, the contaminants present, and scope and role of response action.

## ***Environmental Records Definitions - STATE (TX)***

### **GWCC** Groundwater Contamination Cases

VERSION DATE: 12/31/17

This is a Joint Groundwater Monitoring and Contamination Report provided by the Texas Commission on Environmental Quality (TCEQ). 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.

### **HISTGWCC** Historic Groundwater Contamination Cases

VERSION DATE: 12/31/16

This is a Joint Groundwater Monitoring and Contamination Report provided by the Texas Commission on Environmental Quality (TCEQ) that includes historic groundwater contamination cases reported since 1994. These cases have been closed by a program area or agency, such as the TCEQ, the Railroad Commission of Texas, and/or the Texas Alliance of Groundwater Districts. According to the TCEQ report, although enforcement actions may be closed on these cases, the Activity Status Code descriptions allow that groundwater contamination may still be present at the site and may therefore be of interest to regulatory agencies and the general public.

### **LANDAPP** Land Application Permits

VERSION DATE: 03/01/13

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.

### **LIENS** TCEQ Liens

VERSION DATE: 06/06/18

Liens filed upon State and/or Federal Superfund Sites by the Texas Commission on Environmental Quality.

### **MSD** Municipal Setting Designations

VERSION DATE: 06/01/18

The Texas Commission on Environmental Quality (TCEQ) defines an MSD as 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. The prohibition must be in the form of a city ordinance, or a restrictive covenant that is enforceable by the city and filed in the property records. The MSD property can be a single property, multi-property, or a portion of property.

## ***Environmental Records Definitions - STATE (TX)***

TCEQ Disclaimer: This data is for informational purposes 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.

### **NOV** Notice of Violations

VERSION DATE: 02/24/16

This database containing Notice of Violations (NOV) is maintained by the Texas Commission on Environmental Quality. An NOV is a written notification that documents and communicates violations observed during an inspection to the business or individual inspected.

### **SIEC01** State Institutional/Engineering Control Sites

VERSION DATE: 01/01/19

The Texas Risk Reduction Program (TRRP) requires the placement of institutional controls (e.g., deed notices or restrictive covenants) on affected property in different circumstances as part of completing a response action. In its simplest form, an institutional control (IC) is a legal document that is recorded in the county deed records. In certain circumstances, local zoning or ordinances can serve as an IC. This listing may also include locations where Engineering Controls are in effect, such as a cap, barrier, or other engineering device to prevent access, exposure, or continued migration of contamination. The sites included on this list are regulated by various programs of the Texas Commission on Environmental Quality (TCEQ).

### **SPILLS** Spills Listing

VERSION DATE: 02/07/19

This Texas Commission on Environmental Quality database includes releases of hazardous or potentially hazardous materials into the environment.

### **TIERII** Tier II Chemical Reporting Program Facilities

VERSION DATE: 12/31/12

The Texas Tier II Chemical Reporting Program in the Department of State Health Services (DSHS) is the state repository for EPCRA-required Emergency Planning Letters (EPLs), which are one-time notifications to the state from facilities that have certain extremely hazardous chemicals in specified amounts. The Program is also the state repository for EPCRA/state-required hazardous chemical inventory reports called Texas Tier Two Reports. This data contains those facility reports for the 2005 through the 2012 calendar years. Please contact the Texas Commission on Environmental Quality Tier II Chemical Reporting Division as the current source for this data, due to confidentiality and safety reasons details such as the location and capacity of on-site hazardous chemicals is only available to local emergency planning agencies, fire departments, and/or owners.

### **DCR** Dry Cleaner Registration Database

VERSION DATE: 02/01/19



## ***Environmental Records Definitions - STATE (TX)***

The database includes dry cleaning drop stations and facilities registered with the Texas Commission on Environmental Quality.

### **IHW** Industrial and Hazardous Waste Sites

VERSION DATE: 01/04/19

Owner and facility information is included in this database of permitted and non-permitted industrial and hazardous waste sites. Industrial waste is waste that results from or is incidental to operations of industry, manufacturing, mining, or agriculture. Hazardous waste is defined as any solid waste listed as hazardous or possesses one or more hazardous characteristics as defined in federal waste regulations. The IHW database is maintained by the Texas Commission on Environmental Quality.

### **PIHW** Permitted Industrial Hazardous Waste Sites

VERSION DATE: 01/04/19

Owner and facility information is included in this database of all permitted industrial and hazardous waste sites. Industrial waste is waste that results from or is incidental to operations of industry, manufacturing, mining, or agriculture. Hazardous waste is defined as any solid waste listed as hazardous or possesses one or more hazardous characteristics as defined in federal waste regulations. Permitted IHW facilities are regulated under 30 Texas Administrative Code Chapter 335 in addition to federal regulations. The IHW database is maintained by the Texas Commission on Environmental Quality.

### **PST** Petroleum Storage Tanks

VERSION DATE: 02/01/19

The Petroleum Storage Tank database is administered by the Texas Commission on Environmental Quality (TCEQ). Both Underground storage tanks (USTs) and Aboveground storage tanks (ASTs) are included in this report. Petroleum Storage Tank registration has been a requirement with the TCEQ since 1986.

### **APAR** Affected Property Assessment Reports

VERSION DATE: 10/05/18

As regulated by the Texas Commission on Environmental Quality, an Affected Property Assessment Report is required when a person is addressing a release of chemical of concern (COC) 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 COCs, determine the extent of all COCs, identify all transport/exposure pathways, and to determine if any response actions are necessary. The Texas Administrative Code Title 30 §350.4(a)(1) defines affected property as the entire area (i.e. on-site and off-site; including all environmental media) which contains releases of chemicals of concern at concentrations equal to or greater than the assessment level applicable for residential land use and groundwater classification.

## ***Environmental Records Definitions - STATE (TX)***

**BSA** Brownfields Site Assessments

VERSION DATE: 01/01/19

The Brownfields Site Assessments database is maintained by the Texas Commission on Environmental Quality (TCEQ). The TCEQ, in close partnership with the U.S. Environmental Protection Agency (EPA) and other federal, state, and local redevelopment agencies, and stakeholders, is facilitating cleanup, transferability, and revitalization of brownfields through the development of regulatory, tax, and technical assistance tools.

**CALF** Closed & Abandoned Landfill Inventory

VERSION DATE: 11/01/05

The Texas Commission on Environmental Quality, under a contract with Texas State University, and in cooperation with the 24 regional Council of Governments (COGs) in the State, has located over 4,000 closed and abandoned municipal solid waste landfills throughout Texas. This listing contains "unauthorized sites". Unauthorized sites have no permit and are considered abandoned. The information available for each site varies in detail and this historical information is not updated. Please refer to the specific regional COG for the most current information.

**DCRPS** Dry Cleaner Remediation Program Sites

VERSION DATE: 03/01/19

This list of DCRP sites is provided by the Texas Commission on Environmental Quality (TCEQ). According to the TCEQ, 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.

**IOP** Innocent Owner / Operator Database

VERSION DATE: 01/01/19

Texas Innocent Owner / Operator (IOP), created by House Bill 2776 of the 75th Legislature, provides a certificate to an innocent owner or operator if their property is 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. The IOP database is maintained by the Texas Commission on Environmental Quality.

**LPST** Leaking Petroleum Storage Tanks

VERSION DATE: 03/07/19

The Leaking Petroleum Storage Tank listing is derived from the Petroleum Storage Tank (PST) database and is maintained by the Texas Commission on Environmental Quality. This listing includes aboveground and underground storage tank facilities with reported leaks.

## ***Environmental Records Definitions - STATE (TX)***

**MSWLF** Municipal Solid Waste Landfill Sites

VERSION DATE: 03/01/19

The municipal solid waste landfill database is provided by the Texas Commission on Environmental Quality. This database includes active landfills and inactive landfills, where solid waste is treated or stored.

**RRCVCP** Railroad Commission VCP and Brownfield Sites

VERSION DATE: 11/20/18

According to the Railroad Commission of Texas, their Voluntary Cleanup Program (RRC-VCP) provides an incentive to remediate Oil & Gas related pollution by participants as long as they did not cause or contribute to the contamination. Applicants to the program receive a release of liability to the state in exchange for a successful cleanup.

**RWS** Radioactive Waste Sites

VERSION DATE: 07/11/06

This Texas Commission on Environmental Quality database contains all sites in the State of Texas that have been designated as Radioactive Waste sites.

**STCV** Salt Caverns for Petroleum Storage

VERSION DATE: 09/01/06

The salt caverns for petroleum storage database is provided by the Railroad Commission of Texas.

**VCP** Voluntary Cleanup Program Sites

VERSION DATE: 01/01/19

The Texas Voluntary Cleanup Program (VCP) provides administrative, technical, and legal incentives to encourage the cleanup of contaminated sites in Texas. Since all non-responsible parties, including future lenders and landowners, receive protection from liability to the state of Texas for cleanup of sites under the VCP, most of the constraints for completing real estate transactions at those sites are eliminated. As a result, many unused or underused properties may be restored to economically productive or community beneficial uses. The VCP database is maintained by the Texas Commission on Environmental Quality.

**WMRF** Recycling Facilities

VERSION DATE: 11/01/12

This listing of recycling facilities is provided by the Texas Commission on Environmental Quality's Recycle Texas Online service. The company information provided in this database is self-reported. Since recyclers post their own information, a facility or company appearing on the list does not imply that it is in compliance with TCEQ

## ***Environmental Records Definitions - STATE (TX)***

regulations or other applicable laws. This database is no longer maintained and includes the last compilation of the program participants before the Recycle Texas Online program was closed.

**IHWCA** Industrial and Hazardous Waste Corrective Action Sites

VERSION DATE: 12/10/18

This database is provided by the Texas Commission on Environmental Quality (TCEQ). According to the TCEQ, the mission of the industrial and hazardous waste corrective action program is to oversee the cleanup of sites contaminated from industrial and municipal hazardous and industrial nonhazardous wastes. The goals of this program are to: Ensure that sites are assessed and remediated to levels that protect human health and the environment; Verify that waste management units or facilities are taken out of service and closed properly; and to Facilitate revitalization of contaminated properties.

**SF** State Superfund Sites

VERSION DATE: 10/13/17

The state Superfund program mission is to remediate abandoned or inactive sites within the state that pose an unacceptable risk to public health and safety or the environment, but which do not qualify for action under the federal Superfund program (NPL - National Priority Listing). As required by the Texas Solid Waste Disposal Act, Texas Health and Safety Code, Chapter 361, the Texas Commission on Environmental Quality identifies and evaluates these facilities for inclusion on the state Superfund registry. This registry includes any recent developments and the anticipated action for these sites.



## ***Environmental Records Definitions - LOCAL***

**EAP** Edwards Aquifer Permits

VERSION DATE: 07/21/06

This database, maintained by the Texas Commission on Environmental Quality, contains Edward Aquifer permits.

## ***Environmental Records Definitions - TRIBAL***

**USTR06**                      Underground Storage Tanks On Tribal Lands

VERSION DATE: 11/01/18

This database, provided by the United States Environmental Protection Agency (EPA), contains underground storage tanks on Tribal lands located in EPA Region 6. This region includes the following states: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.

**LUSTR06**                      Leaking Underground Storage Tanks On Tribal Lands

VERSION DATE: 11/01/18

This database, provided by the United States Environmental Protection Agency (EPA), contains leaking underground storage tanks on Tribal lands located in EPA Region 6. This region includes the following states: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.

**ODINDIAN**                      Open Dump Inventory on Tribal Lands

VERSION DATE: 11/08/06

This Indian Health Service database contains information about facilities and sites on tribal lands where solid waste is disposed of, which are not sanitary landfills or hazardous waste disposal facilities, and which meet the criteria promulgated under section 4004 of the Solid Waste Disposal Act (42 U.S.C. 6944).

**INDIANRES**                      Indian Reservations

VERSION DATE: 01/01/00

The Department of Interior and Bureau of Indian Affairs maintains this database that includes American Indian Reservations, off-reservation trust lands, public domain allotments, Alaska Native Regional Corporations and Recognized State Reservations.

**ATTACHMENT J**

**OIL & GAS REPORT**

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## **GeoPlus Oil & Gas Report**

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[GeoLens by GeoSearch](#)

*Target Property:*

**NBU ESA  
3295 Westpointe Dr  
New Braunfels, Comal County, Texas 78132**

*Prepared For:*

**Raba Kistner Environmental-San Antonio**

**Order #: 125959**

**Job #: 292180**

**Project #: ASF19-053-00**

**Date: 05/07/2019**



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## Table of Contents

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<i>Target Property Summary</i> . . . . .	1
<i>Database Radius Summary</i> . . . . .	2
<i>Oil &amp; Gas Map</i> . . . . .	3
<i>Located Sites Summary</i> . . . . .	3
<i>Oil &amp; Gas Well Report</i> . . . . .	5
<i>Environmental Records Definitions</i> . . . . .	6

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## Disclaimer

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[www.geo-search.com](http://www.geo-search.com) 888-396-0042

## **Target Property Summary**

### **Target Property Information**

NBU ESA

3295 Westpointe Dr

New Braunfels, Texas 78132

#### **Coordinates**

Area centroid (-98.173223, 29.7051968)

#### **USGS Quadrangle**

New Braunfels West, TX

### **Geographic Coverage Information**

**County/Parish:** Comal (TX)

**ZipCode(s):**

New Braunfels TX: 78130, 78132

## Database Radius Summary

### STATE (TX) LISTING

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
OGWELLS	0.5000	0	0	0	1	NS	NS	1

SUB-TOTAL		0	0	0	1	0	0	1
-----------	--	---	---	---	---	---	---	---

TOTAL		0	0	0	1	0	0	1
-------	--	---	---	---	---	---	---	---

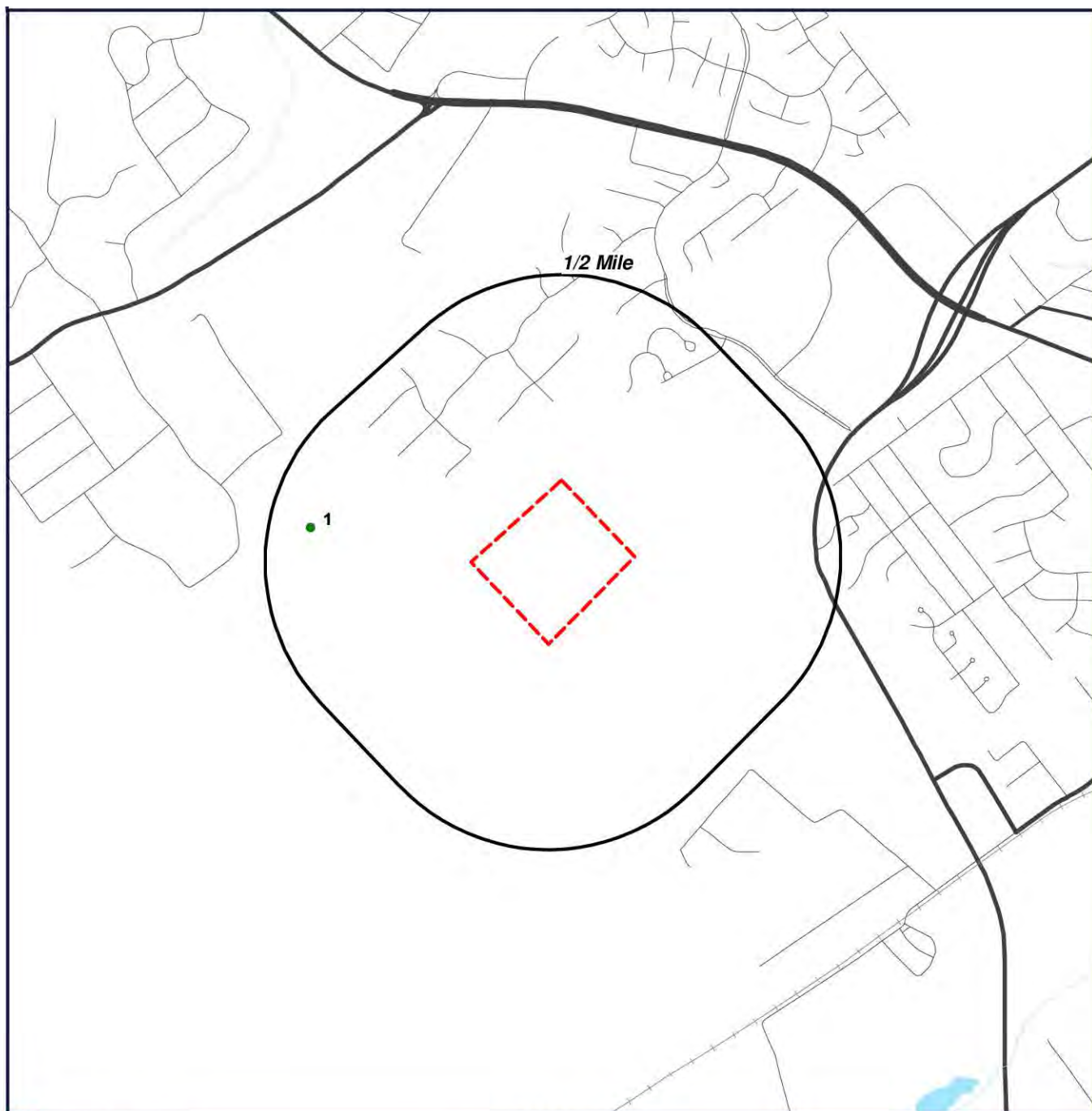
**NOTES:**

NS = NOT SEARCHED


TP/AP = TARGET PROPERTY/ADJACENT PROPERTY



## OIL & GAS WELL MAP



 Target Property (TP)

 Surface Location

**NBU ESA**  
**3295 Westpointe Dr**  
**New Braunfels, Texas**  
**78132**



0' 1000' 2000' 3000'  
SCALE: 1" = 2000'

[Click here to access Satellite view](#)

## Located Sites Summary

Map ID#	Database Name	Site ID#	Distance From Site	Site Name	Address
1	OGWELLS	247009	0.403 mi. WNW (2128 ft.)		

## Oil & Gas Well Report

MAP ID	SURFACE ID	API #	WELL TYPE	LATITUDE	LONGITUDE
1	247009	091	DRY HOLE	29.706658940	-98.183054760

## ***Environmental Records Definitions - STATE (TX)***

### **OGWELLS**

Oil and Gas Wells

VERSION DATE: 09/27/18

This oil and gas well data set is provided by the Geographic Information System of the Railroad Commission of Texas (the Commission). The data set includes oil and gas well records dating back to the early 1960's, some wells prior to the 1960's are also included with no API and/or a historical API number in place. The Commission shall not be held liable for use of this data, which is provided as a public service for informational purposes only. Users are responsible for checking the accuracy, completeness, currency, and/or suitability of this data set themselves.



**ATTACHMENT K**

**PREVIOUS ENVIRONMENTAL REPORT**

FAVIER BROTHERS & SONS

N 43°19'45" W - 2,372.90'

S.A. & M.G. RAILROAD SURVEY NO. 283

N 45°00'00" E - 1,667.62'

N 45°19'45" W - 80.03'

100.000 ACRES

CORBTH BAT  
CAVE ENTRANCE

TRANS FILL  
SINKHOLE

200'  
SCALE

N 51°17'15" W - 23.10'

S 59°40'00" W 1,708.13'

SINKHOLE

S 59°40'00" W

FRANZ E. MAYER, JR.  
W.D. HANSTON, JR.  
JANUARY 5, 1980  
VOL. 38, P. 678-680

J.M. VERAMENDI SURVEY NO. 1, A - 2

**FUGRO-McCLELLAND (SOUTHWEST), INC.****FACSIMILE COVER SHEET**

1107 West Gibson Street  
Austin, Texas 78704  
Tel: (512) 444-3233  
Fax: (512) 444-3996

To:	Mr. Charles Bradbury	From:	David Mason		
Company:	New Braunfels Independent School Di	Copy to:	file		
Location:	New Braunfels, Texas	Date:	11/06/95	Time:	14:12:20
Fax No:	210 620-9005	Project No:	1001-2005		

Total number of pages including this cover sheet: 3

## Comments:

Mr. Bradbury,

For your information, attached is a copy of the biological study performed on  
Coreth Bat Cave. Our final ESA report will be presented in a couple of days.

If you have problems receiving this transmission call Lisa at 512-444-3233.



Fugro-McClelland

Fax: (512) 444-3996

Attn: David Mason

\* \* \* \* \*

## CORETH BAT CAVE

New Braunfels West Quadrangle

Comal County, Texas

Texas Speleological Survey

October 28, 1995

David McKenzie, Bill Russell,  
James Reddell, Marcelino Reyes, David Mason

Drafted by Bill Russell

Depth 21 m (69 ft.) Length 175 m (575 ft.)

Considerable evidence of past extensive bat population, no evidence of recent use by bats, perhaps due to dense vegetation that covers the entrance. Cave name is frequently reported as "Corith."



# THE CAVE FAUNA OF CORETH BAT CAVE, COMAL COUNTY, TEXAS

by

James R. Reddell  
Texas Memorial Museum  
2400 Trinity  
Austin, Texas 78705

Coreth Bat Cave (also known as R.R. Coreth Caverns) has been known to the speleological community for almost 50 years, but no biological study has ever been conducted in the cave. The cave contains extensive deposits of old bat guano, but few bats have ever been seen in the cave and the guano now contains little or no nutrient value to support a guano-based cave fauna.

The cave was visited with David Mason on 28 October 1995 by David McKenzie, James Reddell, Marcelino Reyes, and William Russell. Reddell and Reyes conducted a careful biological study of the cave while the others mapped the cave. The cave was surprisingly devoid of fauna, with no guanophiles found. Most specimens were taken from areas away from the guano deposits.

The bottom of the entrance sink contained the Gulf Plains toad, *Bufo valliceps*, and the cliff frog, *Syrnophus marnocki*. Old raccoon droppings are present throughout the cave, but none appear recent. A skunk was smelled in a passage near the entrance.

The invertebrate fauna included about 14 species. A final count will require study of the fauna by specialists. Five troglobites (highly cave-adapted species) were present in the cave. With one exception these probably are widespread species, but final identification will have to await further study. The four probably widespread troglobites are an isopod (pillbug) of the genus *Brackenridgia*; two spiders probably belonging to the genera *Cicurina* and *Eidmannella*; and a silverfish of the genus *Texoreddella*. The fifth troglobite is a small pseudoscorpion and appears to be the first cave-adapted pseudoscorpion from Comal County. This species will probably prove to be undescribed. The non-troglobitic fauna includes the following material:

Snails: Gastropoda undetermined

Scorpions: *Vaejovis reddelli*

Harvestmen: *Lelobunum townsendii*

Spiders: Araneomorphae undetermined (three species)

Mites: ?*Leptus* sp. (parasitic on *Lelobunum townsendii*)

Mites: Trombididae genus and species (parasitic on *Ceuthophilus secretus*)

Millipedes: Diplopoda undetermined

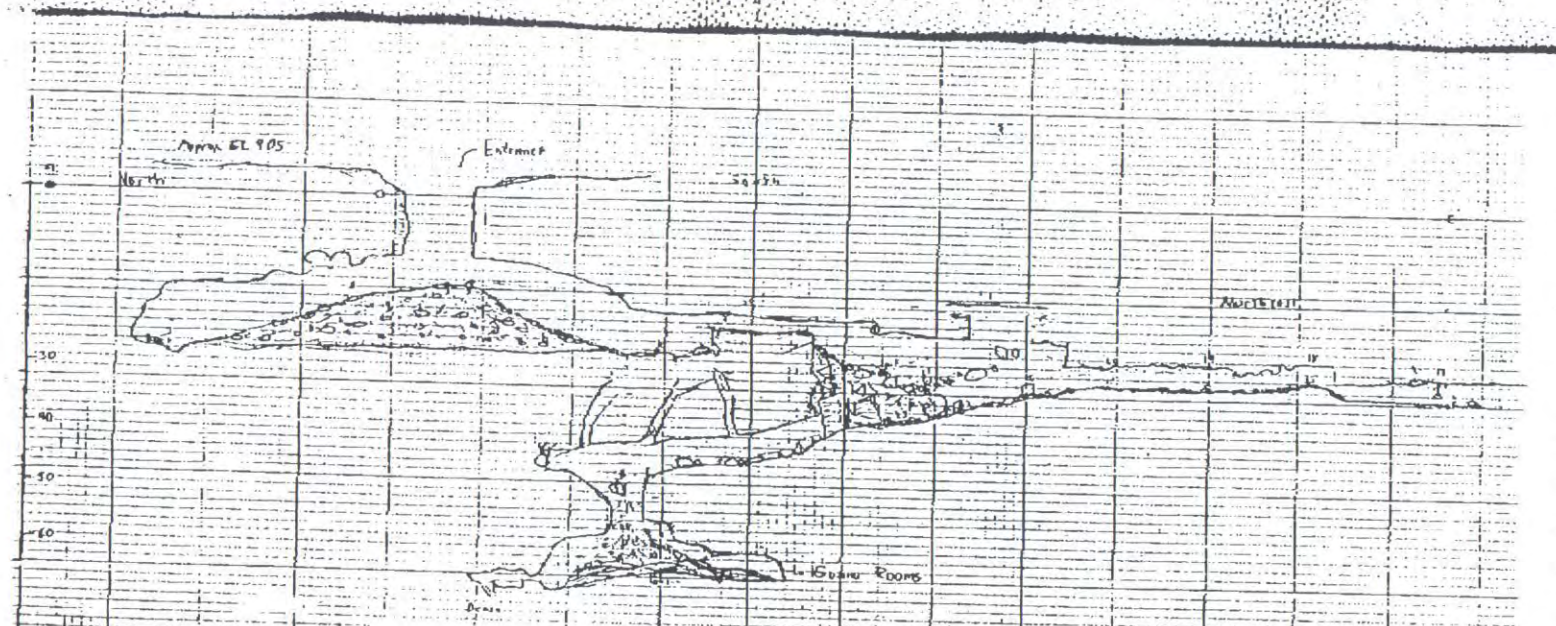
Cave crickets: *Ceuthophilus* new species

*Ceuthophilus secretus*

None of the species known from the cave is endangered or petitioned for listing. With the possible exception of the pseudoscorpion and spiders all are widespread species ranging throughout Central Texas.

It would be desirable to clear vegetation from above and around the entrance sink. This has clearly caused abandonment of the cave by bats. Because of the benefits of bats in reducing insect populations it would be beneficial for the cave to be re-colonized. Bats have frequently moved back into caves following clearing of brush from entrances.





Entrance Room - South Loop - Extended Profile



North Loop - Extended Profile