

Draft Environmental Assessment

# Cecil Parker/Poskey Road Temporary Community Housing Site

Bridge City, Orange County Texas

FEMA-1791-DR-TX

*November 6, 2008*



**FEMA**

**U.S. Department of Homeland Security  
FEMA Region 6  
800 N. Loop 288  
Denton, TX 76209-3698**

**Table of Contents**

**A. Introduction** ..... 2  
**B. Purpose and Need** ..... 2  
**C. Environmental Review Process** ..... 2  
**D. Site Selection Process and Alternatives** ..... 3  
    **Alternative 1- No Action Alternative**..... 3  
    **Alternative 2 – Develop the Cecil Parker/Poskey Road Site with Mobile Homes (Proposed Action)** ..... 3  
**E. Affected Environment and Environmental Consequences** ..... 5  
    **Alternative 1- No Action Alternative**..... 5  
    **Alternative 2 - Develop the Cecil Parker/Poskey Road Site with Mobile Homes (Proposed Action)** ..... 6  
**F. Additional Impact Analysis**..... 10  
**G. Cumulative Impacts** ..... 11  
**H. Public Involvement**..... 11  
**I. Conclusion**..... 11

**List of Figures**

- Figure 1. Area Map
- Figure 2. Location map
- Figure 3. Site Aerial Photo Map
- Figure 4. Photograph of Property
- Figure 5. Photograph of Property
- Figure 6. Photograph of West drainage/ irrigation ditch
- Figure 7. North drainage/ irrigation ditch
- Figure 8. Preliminary Site Layout

**Appendices**

- Appendix A - Record of Environmental Consideration
- Appendix B - GeoSearch Radius Report With Geoplus and Oil/Gas & Pipeline Report

**Draft Environmental Assessment  
Cecil Parker/Poskey Road Temporary Community Housing  
Anahuac, Chambers County  
Hurricane Ike  
FEMA-1791 DR -TX**

**A. Introduction**

Hurricane Ike, a Category 2 hurricane with a storm surge above normal high tide levels, moved across the Texas coast on September 13, 2008. Maximum sustained winds at landfall were estimated at 125 miles per hour. President Bush declared a major disaster for the State of Texas due to damages from Hurricane Ike signing a disaster declaration (FEMA-1791-DR-TX) on September 13, 2005, authorizing the Department of Homeland Security's Federal Emergency Management Agency (FEMA) to provide federal assistance in designated areas. FEMA proposes to administer this disaster assistance pursuant to the Robert T. Stafford Disaster Relief and Emergency Assistance Act (Stafford Act), PL 93-288, as amended. Section 408 of the Stafford Act authorizes FEMA's Individual Households Program to provide emergency and temporary housing for eligible disaster victims whose homes are uninhabitable or destroyed as a result of the declared event.

This Draft Environmental Assessment (EA) has been prepared in compliance with the National Environmental Policy Act of 1969 (NEPA); the President's Council on Environmental Quality regulations implementing NEPA (40 CFR 1500-1508); and FEMA's regulations implementing NEPA (44 CFR 10.9). The purpose of this Draft EA is to analyze potential environmental impacts of the proposed temporary community housing site at Poskey Road, as part of an expedited review process. FEMA will use the findings in this Draft EA to determine whether to prepare an Environmental Impact Statement (EIS) or issue a Finding of No Significant Impact (FONSI).

**B. Purpose and Need**

Catastrophic damage from Hurricane Ike has resulted in an extraordinary demand for housing assistance in Orange County. The purpose of this action is to fulfill FEMA's mandate under the Individual and Households Program to expeditiously provide temporary housing for eligible disaster victims. To date, about 7880 requests for Federal assistance have been received for Chambers County. At this time, approximately 836 applications (total Pre-Placement Interviews) for temporary housing assistance have been received for the County (FEMA Individual Assistance Program Summary Report 11/4/08). The estimated number of applications for direct housing assistance, provision of a manufactured housing unit on an available private, commercial park or community site location, is 300 for Chambers County (FEMA Individual Assistance Program Manufactured Housing Activity Report 11/4/08). Most of this demand will be met by placing a mobile home on an applicant's private site or providing them with a mobile home on an available pad leased in a commercial park. However, once these options are exhausted FEMA estimates many applicants still will remain in need of direct housing, thus supporting the need to develop a temporary community housing site, hereafter "community site."

**C. Environmental Review Process**

In order to meet the urgent needs of disaster victims in need of temporary housing, FEMA has implemented an expedited environmental review process. The purpose of this document is to assist FEMA in fulfilling its environmental review responsibilities under NEPA and serve as a vehicle to document compliance under other applicable environmental laws. Laws and Executive Orders addressed through this Draft EA include: the Clean Air Act, Clean Water Act, Endangered Species Act, National

Historic Preservation Act, Executive Order 11988 (Floodplain Management), Executive Order 11990 (Protection of Wetlands), Executive Order 12898 (Environmental Justice), and Farmland Protection Policy Act. Other resource areas or issues evaluated in this EA include floodplain, coastal zone, noise, visual resources, traffic, socioeconomics, safety and security, and hazardous and toxic waste. Agency coordination/consultation is being conducted on a site by site basis as necessary.

The scope of FEMA's environmental review includes evaluating project alternatives, characterizing the affected environment, identifying potential environmental impacts, and outlining ways to reduce or minimize adverse affects. This Draft EA examines the site-specific environmental impacts associated with building a proposed FEMA community housing site on privately owned land to be leased by the General Service Administration for this purpose.

This Draft EA was prepared based on a site evaluation, document research, and resource agency information. An electronic version of the Draft EA will be provided to interested agencies prior to and during the public comment period. The public participation period will be brief, as necessitated by the emergency circumstances. Agency coordination and consultation will be deemed complete at the end of the public comment period. FEMA believes that this process will allow for sufficient action analysis and meet the goal of providing timely federal assistance to disaster victims.

#### **D. Site Selection Process and Alternatives**

NEPA requires investigation and evaluation of reasonable project alternatives as part of the project environmental review process. At a minimum, FEMA's NEPA implementing regulations require the No Action and Proposed Action be evaluated. Concurrent to the Proposed Action; federally assisted housing options, including minor home repairs, rental assistance and installing a mobile home or Park model on a private site or in an existing mobile home park, are being exhausted first; for those requesting housing assistance in the impacted area. These options rapidly deplete with the high demand, accordingly, a remaining alternative is to build an emergency and temporary community housing site where the above options do not satisfy the demand.

In order to expedite the community housing site selection process, FEMA is working closely with local officials to identify potential sites followed by a cursory site reconnaissance and research to determine suitability. Important factors considered in choosing a site include: demand for temporary housing in that area, community acceptance, proximity of community services/amenities (schools, healthcare facilities, public transportation, etc), engineering and construction feasibility, access to utilities, land use compatibilities, property owner terms, costs to develop and maintain site, and environmental/cultural resource sensitivities. FEMA continues to evaluate alternative sites in Chambers County, and other counties within coastal southeast Texas. Although various alternatives have been and continue to be identified, the extraordinary amount of needed housing have limited this Draft EA to detailed analysis of one suitable site alternative at this time. The Cecil Parker/Poskey Road site was selected for further analysis because it meets the basic site feasibility and selection criteria.

#### **Alternative 1- No Action Alternative**

Under the No Action alternative, FEMA would not develop a temporary community housing site for this area. Displaced residents would continue to stay with relatives/friends, in hotels, or other temporary locations until they resolve their own long-term housing needs.

#### **Alternative 2 – Develop the Cecil Parker/Poskey Road Site with Mobile Homes (Proposed Action)**

The Proposed Action would provide temporary housing for eligible disaster victims displaced by Hurricane Ike in the greater Anahuac and Oak Island areas of Chambers County. Disaster victims would be temporarily relocated to the site with an expected occupancy up to 24 months (which includes a site deactivation period) while they resolve their permanent housing solution. In a letter dated November 3, 2008, the Mayor of Anahuac indicated that the community site is approved for development.

### Project Location and Site Description

The proposed site is located on Poskey Road in Anahuac, Chambers County. It is bordered on the north by palustrine forest, on the south by Poskey Road and farmland, on the east by Highway 563 and then farmland; and west by farmland and then a hospital (Area Map, Figure 1; Location Map, Figure 2). The site is located about 44 miles east of Houston. The site consists of approximately 79 acres of land characterized by cultivated and fallow fields (Site Aerial Photo Map, Figure 3). The site is currently used as a fallow rice field and was historically used for farming small grains, primarily rice (See Site Photos, Figures 4 through 7).

### Project Description

The proposed action would involve the construction of a temporary mobile home community site (hereafter “community site”) which would accommodate up to about 200 units, on the above property. The project description is based on the site preliminary design completed on November 4, 2008, by CH2MHill (See Figure 8 for preliminary site design). The following specific community site development components would be included with this project:

- Site preparation would include clearing, grading, and removal of woody vegetation.
- Electrical services would be above ground and connected to existing utilities from Poskey Road. New potable water lines will be installed below ground and tie into an existing water main located along Ross Sterling Avenue. Fire hydrants will be installed on the property to meet fire code.
- Access to the Park is planned from Poskey Road and would include resurfacing of a portion of Poskey Road.
- Stormwater drainage will be accommodated by a drainage easement within the site and a stormwater detention pond. There are also two existing drainage channels on the north and west side of the site.
- Interior roadways and pads would be surfaced with asphalt.
- Site Uniform Federal Accessibility Standard (UFAS) features include 15% of the units meeting UFAS, and 15% of common areas and 100% of onsite essential services/facilities (such as mailbox kiosk) would be UFAS compatible.
- Appropriate fencing will be installed to protect the wetlands along the northern portion of the parcel, which includes a 30 ft vegetated buffer. There will also be fencing to protect the north and west ditches as well as stormwater retention pond from human intrusion. .

When the temporary housing need has ended, FEMA expects that the mobile home units would be hauled from the site and returned to FEMA’s storage facilities. All or select site improvements will be removed

per the terms of the lease with the landowner and the community site would then be seeded and reasonably restored to its previous conditions.

#### **E. Affected Environment and Environmental Consequences**

Table 1 summarizes the results of the environmental review process for the Proposed Action. Potential environmental impacts that were found to be negligible are not evaluated further. Resource areas that have the potential for impacts of minor, moderate, or major intensity are further developed in Section F. When applicable, mitigation measures that would reduce potential adverse effects are incorporated in site development and required as conditions for the project to proceed. Supporting information for impact findings may be found in the Record of Environmental Considerations in the Appendices Section. Definitions of the impact intensity are described below:

**Negligible:** The resource area (e.g., geology) would not be affected, or changes would be either non-detectable or if detected, would have effects that would be slight and local. Impacts would be well below regulatory standards, as applicable.

**Minor:** Changes to the resource would be measurable, although the changes would be small and localized. Impacts would be within or below regulatory standards, as applicable. Mitigation measures would reduce any potential adverse effects.

**Moderate:** Changes to the resource would be measurable and have both localized and regional scale impacts. Impacts would be within or below regulatory standards, but historical conditions are being altered on a short-term basis. Mitigation measures would be necessary and the measures would reduce any potential adverse effects.

**Major:** Changes would be readily measurable and would have substantial consequences on a local and regional level. Impacts would exceed regulatory standards. Mitigation measures to offset the adverse effects would be required to reduce impacts, though long-term changes to the resource would be expected.

#### **Alternative 1- No Action Alternative**

The No Action alternative will not impact the existing environment, as no site preparation or construction would occur for temporary community housing purposes. This alternative would preclude the federal government from adequately addressing the urgency of providing temporary and transient emergency housing. Consequently, displaced disaster victims would have to remain in the temporary housing they have acquired through their own resources and possibly far from their original home. The short and long term recovery of flood victims and their communities would be further compounded by fewer housing options. They would continue to suffer social and economic stresses related to the disaster recovery.

**Alternative 2 - Develop the Cecil Parker/Poskey Road Site with Mobile Homes (Proposed Action)**

The Proposed Action would provide temporary housing for eligible disaster victims displaced by Hurricane Ike in Chambers County, Texas. Disaster victims would be temporarily relocated to the site with an expected occupancy of up to 24 months (which includes a site deactivation period) while they resolve their permanent housing solution. Environmental impacts associated with implementation of Alternative 2 are discussed in Table 1 (Affected Environment and Environmental Consequences) and in Section F.

Table 1. Affected Environment and Environmental Consequences Matrix.

Resource Area	Impact Intensity				Impact Summary	Agency Coordination / Permits	Mitigation
	Negligible	Minor	Moderate	Major			
Geology and Soils	X				There are no prime and unique farmlands on the project site. Potential for localized increase in soil erosion during construction.	Texas Pollutant Discharge Elimination System (PDES) stormwater construction permit to be obtained by construction contractor.	Implement construction Best Management Practices (BMPs). Install silt fences/straw bales to reduce sedimentation. Area soils will be wetted during construction to minimize wind erosion. If fill is stored on site, the contractor would be required to cover it appropriately. Design must account for shrink/ swell properties of soil, and compaction of non-road and pad sites should be minimized.
Hydrology and Floodplains (Executive Order 11988)	X				Project area is located in Zone C, outside of the 100-year floodplain per the FEMA Flood Insurance Rate Map 48011901958. The nearest floodplain is .4 mile west. Site development and occupancy is not expected to affect nearby floodplains.	None.	None.
Wetlands (Executive Order 11990)	X				On site and adjacent wetlands were observed and delineated by the USACE. These would be avoided and include a fence and a minimum 30-foot vegetative buffer by the project design.	Wetlands delineated by USACE on 10/24/2008.	Wetlands to be protected during construction and occupancy, by fencing including a 30 foot buffer.
Coastal Zone Management	X				The Project site is located within the boundaries of the State designated coastal zone, but temporary residential site development and occupancy has been determined consistent with the State's coastal zone management plan.	None.	None
Water Quality	X				There is potential for localized increase in sedimentation as a result of site preparation activities, which could impact water quality in downstream swales, ditches, and streams (e.g. turbidity, siltation, biological oxygen demand).	Site preparation will disturb more than 1 acre, thus an NPDES construction permit from TCEQ must be obtained by construction contractor.	Contractor to implement requirements of NPDES permit. These include Best Management Practices such as installation of silt fences, straw bales, etc. to reduce sedimentation. If fill is stored on site, the contractor would be required to cover it appropriately.

Resource Area	Impact Intensity				Impact Summary	Agency Coordination / Permits	Mitigation
	Negligible	Minor	Moderate	Major			
Air Quality	X				Chambers County is designated an area of Non-Attainment by the US Environmental Protection Agency due to 8-hour ozone levels. Residential site development and occupancy is consistent with the State Implementation Plan. Negligible impact would be anticipated from vehicle exhaust emissions and increased dust during construction.	EPA Region 6 designation.	Site soils may be covered and/or wetted during construction to minimize fugitive dust. Maintain construction vehicle emissions in accordance with state standards.
Vegetation and Wildlife	X				The project site is fallow rice field.	None.	Once the temporary housing need has ended, the site would be seeded and restored to previous conditions to the extent practical.
Threatened and Endangered Species (Endangered Species Act, Section 7)	X				No threatened or endangered species or designated critical habitat occurs at the site. No effect is anticipated to threatened or endangered species or their habitat as a result of site development and occupancy.	USFWS coordination dated 10/31/08.	None.
Cultural Resources (National Historic Preservation Act, Section 106)	X				Through site pedestrian survey by qualified archeologist and review of the Texas Historical Commission's Atlas database, FEMA has determined that there are no National Register listed or eligible historic properties in the Area of Potential Effect (APE).	SHPO concurrence letter 11/3/2008.	See conditions in FONSI.
Socioeconomics	X				Site occupancy is expected to range over time, however full occupancy could peak at about 500 people. It is expected the site residents are currently displaced residents of Chambers County. See Section F.	On November 3, 2008 the Mayor of Anahuac issued a letter of no objection for the establishment of this community site.	None.
Environmental Justice (Executive Order 12898)	X				The proposed action is not expected to pose disproportionately high and adverse public health or environmental effects on minority and low-income populations. See Section F.	None.	None.

Resource Area	Impact Intensity				Impact Summary	Agency Coordination / Permits	Mitigation
	Negligible	Minor	Moderate	Major			
Noise	X				There are no excessive noise sources such as airports, railroads, and major highways in close proximity to the proposed site. There are no residents immediately adjacent to the project site. Construction noise impacts would be short-term and limited to the duration of construction activities.	None.	None.
Safety and Security	X				The drainage/ irrigation ditches bordering the west and north boundaries of the site may pose a risk to children.. No other site safety or security concerns were observed during site reconnaissance.	None.	Fencing will be install to prevent access to the north and west drainage channels. Appropriate signage and barriers should be in place prior to construction activities in order to alert pedestrians and motorists of project activities and traffic pattern changes.
Hazardous Materials and Toxic Wastes	X				An abbreviated Phase I Environmental Site Assessment has been completed through direct field observation and review of existing records and databases for potential site or adjacent site hazardous materials contamination. No environmental conditions were observed during fieldwork or noted during research.	All available data bases were reviewed by a HTRW specialist. The extensive Geoplus assessment reported no issues.	None
Traffic and Transportation	X				Traffic volumes on the local road network in the immediate project area would increase during construction and occupancy. The existing infrastructure would be able to accommodate these increases without impacting local traffic patterns.	None.	None.

## **F. Additional Impact Analysis**

### **Socioeconomics**

The project site is located in the 77514 zip code of Texas. According to the 2000 Census, zip code 77514 had 5331 residents, and 1946 housing units. The median household income was estimated at about \$38,549 (based on 1999 dollars) (Census 2000). The primary employment sectors were agriculture and petroleum. According to the Bureau of Labor Statistic, about 4.6 percent of the county's civilian labor force was unemployed in 2007.

With the establishment of the site at full occupancy, up to approximately 500 residents would be temporarily housed in the community site (200 units x estimated 2.5 people per unit). Many of the potential site residents will already be residents of the general area or Chambers County. The local community is aware of this action and has approved this action. The community should not experience an increase in the need for public services, such as schools, fire and police services, child care, and medical services; because site occupants would already be from the County.

### **Environmental Justice**

Executive Order (EO) 12898 requires that each Federal agency identify and address the effects of its programs, policies, and activities on minority and low-income populations. The function of the EO is to avoid disproportionately high and adverse public health or environmental impacts to the target populations. Further, EO 12898 also tasks Federal agencies to ensure that public notifications regarding environmental issues are concise, understandable, and readily accessible.

The project is located within the 77514 zip code and Table 2 provides demographics for the zip code as compared to the City of Anahuac, County and State (Census 2000). The zip code has slightly higher proportion of African Americans than the County and State, but lower than the City. The collective number of other minorities in this zip code is higher than the County and City, but the same as the State. Families below the poverty level in this zip code are slightly lower than the City and State, but slightly higher than the County.

Table 2: Minority and Low Income Populations Summary Statistics

<b>Subject</b>	<b>Zip Code 77514</b>	<b>City</b>	<b>County</b>	<b>Texas</b>
Demographics				
Caucasian	66.5	68.3	81.9	71.1
African American	15.9	20.2	9.8	11.5
Other	17.6	11.5	8.3	17.4
Families below poverty	9.2	11.1	8.3	12.0

Source: U.S. Census Bureau, Census 2000

The proposed action is not expected to pose disproportionately high and adverse public health or environmental effects on minority and low-income populations. The availability of Federal assistance, including temporary housing for displaced individuals, is consistent with EO 12898. All forms of FEMA disaster housing assistance are available to any affected household that meets the conditions of eligibility and demographics are not among the eligibility requirements.

The specific demographics of community site occupants are not available at this time because specific individuals or families are in the process of being identified for this site. However, the demographic makeup of the future community site residents is expected to be similar to the community as a whole. Further, the availability of temporary housing would result in a positive impact to displaced individuals, regardless of whether they are minority and/or low income.

## **Cumulative Impacts**

Cumulative impacts are defined as environmental effects that are greater in magnitude, extent, or duration than the direct and indirect effects of the proposed FEMA-associated action when combined with the effects of other current and future actions, regardless of the proponent. Given the Proposed Action is temporary, long-term (up to 24 months) cumulative affects to the area surrounding the site as a result of site development and occupancy are not anticipated.

## **H. Public Involvement**

Public involvement is being performed in compliance with NEPA, FEMA's regulations implementing NEPA at 44 CFR 10.9(c), and Executive Orders 12898, 11988, and 11990. A Public Notice will be published in the Houston Chronicle beginning on November 10, 2008 and the Progress newspaper on November 12, 2008. Due to the emergency nature of this action, the public comment period will be brief, from November 10, 2008 to November 12, 2008. Written comments on the Draft EA and Draft FONSI can be faxed to FEMA's Joint Field Office in Austin at (512) 465-3764 sent via email to [FEMA-DR1791-Environmental@dhs.gov](mailto:FEMA-DR1791-Environmental@dhs.gov). Verbal comments are being accepted at (866) 568-1260, and TTY for hearing or speech-impaired at (800) 462-7585; between 8:00 A.M. and 5:00 P.M. The Draft EA and FONSI are available for public review at FEMA's Mobile Disaster Recovery Center (MDRC) located at Oak Island Community Building parking lot, 709 West Bayshore Road, and at the Chambers County Library, located at 202 Cummings Street, Anahuac, TX. The MDRC hours are Monday to Saturday 9:00 A.M to 5:30 P.M, Closed Sunday; and Chambers County Library hours are Monday 8:00 A.M to 5:00 P.M.; Tuesday to Thursday 8:00 A.M to 7:00 P.M.; Friday 8:00 A.M to 5:00 P.M.; Saturday 9:00 A.M to 1:00 P.M.; Closed Sunday. The Draft EA and FONSI are also available for viewing and download from FEMA's website at <http://www.fema.gov/plan/ehp/envdocuments/ea-region6.shtml>.

If no substantive comments are received relative to the proposed action's environmental effects, the Draft EA and FONSI will become final and there will be no further public involvement. Comments will be addressed as appropriate in the Final documents.

## **I. Conclusion**

This Draft EA was written to evaluate the potential impacts to the environment from the No Action and Proposed Action alternatives. The EA has also addressed the compliance requirements of the National Historic Preservation Act, Endangered Species Act, Executive Orders 11988 (Floodplain Management), 11990 (Protection of Wetlands), and 12898 (Environmental Justice), and other related environmental statutes along with considering issues such as hazardous and toxic wastes, infrastructure, and socioeconomics. Based on fieldwork, proposed action scope of work and mitigation measures, research, and consultations; the findings of this Draft EA indicate that an Environmental Impact Statement is not required. A Draft FONSI has been prepared and is attached.

# Figures

Figure 1. Area map



Figure 2. Location Map



Figure 3. Aerial photo of proposed site



Figure 4. Representative site photo, view toward west



Figure 5. Representative site photo, view from Poskey Road  
FEMA-1791-DR-TX



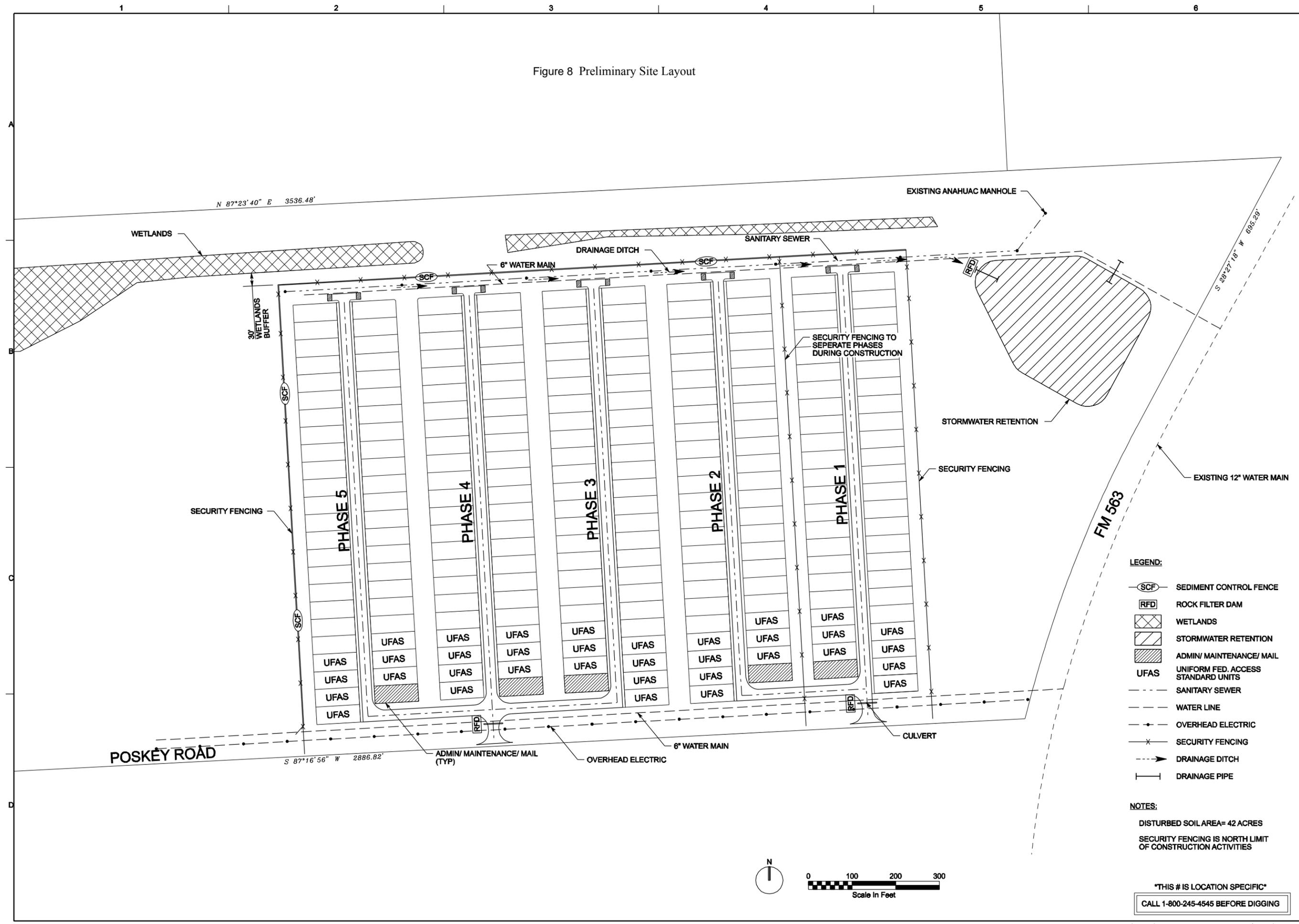
Figure 6. West drainage/ irrigation ditch



Figure 7. North drainage/ irrigation ditch



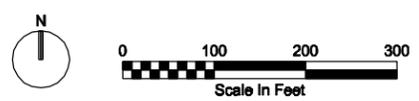
Figure 8 Preliminary Site Layout



- LEGEND:**
- SEDIMENT CONTROL FENCE
  - ROCK FILTER DAM
  - WETLANDS
  - STORMWATER RETENTION
  - ADMIN/ MAINTENANCE/ MAIL
  - UNIFORM FED. ACCESS STANDARD UNITS
  - SANITARY SEWER
  - WATER LINE
  - OVERHEAD ELECTRIC
  - SECURITY FENCING
  - DRAINAGE DITCH
  - DRAINAGE PIPE

**NOTES:**

- DISTURBED SOIL AREA= 42 ACRES
- SECURITY FENCING IS NORTH LIMIT OF CONSTRUCTION ACTIVITIES



\*THIS # IS LOCATION SPECIFIC\*  
 CALL 1-800-245-4545 BEFORE DIGGING

CH2MHILL

CIVIL

POSKEY RD

OVERALL SITE LAYOUT

FIGURE 3

7600 WEST TIDWELL ROAD  
 HOUSTON, TEXAS 77040  
 PH: 713.462.0181

GROUP SITE  
 TEMPORARY HOUSING  
 FEMA

CIVIL  
 POSKEY RD  
 OVERALL SITE LAYOUT  
 FIGURE 3

NO	DATE	DESCRIPTION	APVR	BY	APVD

ENGINEER  
 DSGN

CHECKED-BY  
 CHK

FILENAME: \$FILES\$

PLOT DATE: \$DATES\$

PLOT TIME: \$TIMES\$

REUSE OF DOCUMENTS: THIS DOCUMENT AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF CH2M HILL AND IS NOT TO BE USED, IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF CH2M HILL. © CH2M HILL 2004. ALL RIGHTS RESERVED.

## **Appendix A**

# **Record of Environmental Consideration**

# **Record of Environmental Consideration**

**REVISED FOR FEMA TEMPORARY HOUSING – TEXAS- 2008**

See 44 Code of Federal Regulation Part 10

**Project Name/Number:** Cecil Parker/Poskey Road Community Housing Site (UEI 0277)

**Project Location:** Poskey Road, Anahuac, Chambers County, Texas 77514  
(29.751185° N, 94.678869° W)

**Project Description:** The Poskey Road Community Housing Site is located on the north side of Poskey Road between South Main Street and Ross Sterling Avenue (F.M. 563) in Anahuac. The site is also 1.5 miles south of the center of Anahuac, and 6.2 miles south of Interstate Highway 10.

The proposed action would involve the construction of a mobile home park which could accommodate up to approximately 200 homes, for a period not expected to exceed 24 months (which include a demobilization period). This site is a former cultivated rice field with drainage ditches on all four sides, on clay soil. The site is bordered on the north by palustrine forest, on the east by a drainage ditch then Hwy 563, on the south by Poskey Road then fallow farmland, and on the west by farm land and a hospital. The terrain is flat with a slightly perceptible general slope toward the north and ground cover consists of approximately 100 percent grass and forbs with a few young (1-3 ft tall) trees, with hackberry as the dominant tree species.

Based on the site design, the following features would be included with this temporary housing site:

- Electrical services would be above ground and connected to existing utilities from Poskey Road. Potable water will be connected below ground to a water main located along Poskey Road and north border of the homes. New lines and hydrants will be installed on the property for all units.
- Access to the site is planned from Poskey Road.
- Stormwater drainage will be accommodated by natural flow and a fenced retention pond on the northeast corner.
- Interior roadways will be surfaced with asphalt.
- Uniform Federal Accessibility Standard features specified for 15% of the homes, 15 of common areas, and 100% of essential services.
- Appropriate fencing to protect the wetlands prior to construction with a 30 ft vegetated buffer, and fencing to protect the north and west ditches from human intrusion.

When the temporary housing need has ended, the mobile homes will be transported from the site and the site would then be restored to previous conditions

## **Documentation Requirements**

- (Short version) All consultation and agreements implemented to comply with the National Historic Preservation Act, Endangered Species Act, and Executive Orders 11988, 11990 and 12898 are completed and no other laws apply. **(Review Concluded)**
- (Long version) All applicable laws and executive orders were reviewed. Additional information for compliance is attached to this REC and/or included in project files, as applicable.

## National Environmental Policy Act (NEPA) Determination

Programmatic Categorical Exclusion (Review Concluded)

Comments:

- Categorical Exclusion - Category
  - No Extraordinary Circumstances exist  
Are project conditions required  Yes (See section V)  No (Review Concluded)
  - Extraordinary Circumstances Exist (See section IV)
    - Extraordinary Circumstances mitigated (See section IV comments)  
Are project conditions required  Yes (See section V)  No (Review

### **Concluded)**

- Environmental Assessment
- Supplemental Environmental Assessment (Reference EA or PEA in comments)
- Environmental Impact Statement

## Reviewer and Approvals

Project is Non-Compliant (See attached documentation justifying selection).

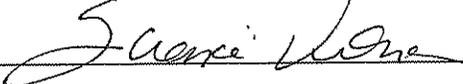
### **Prepared by:**

Don Pitts, USACE

Signature  Date 11-7-08

### **FEMA Environmental Reviewer:**

Name: Science Kilner, Temp Housing EHP Lead

Signature  Date 11/7/08

### **FEMA Regional Environmental Officer or Delegated Approving Official:**

Name: Donald R. Fairley, REO, Regional Environmental Officer, FEMA Region VI

Signature \_\_\_\_\_ Date \_\_\_\_\_

## I. Compliance Review for Environmental Laws (other than NEPA)

### **A. National Historic Preservation Act (NHPA)**

- Not type of activity with potential to affect historic properties.
- Activity meets Programmatic Agreement, December 3, 2004. Appendix A: Allowance No.  
Are project conditions required?  Yes (see Section V)  No
- Programmatic Agreement not applicable, must conduct standard Section 106 Review.

### **HISTORIC BUILDINGS AND STRUCTURES**

- No historic properties that are listed or 45/50 years or older in project area. (Review Concluded)
- Building or structure listed or 45/50 years or older in project area and activity not exempt from review.
  - Determination of No Historic Properties Affected (FEMA finding/SHPO/THPO concurrence on file)

- Are project conditions required?  Yes (see Section V)  No **(Review Concluded)**
- Determination of Historic Properties Affected (FEMA finding/SHPO/THPO concurrence on file)
- Property a National Historic Landmark and National Park Service was provided early notification during the consultation process. If not, explain in comments
  - No Adverse Effect Determination (FEMA finding/SHPO/THPO concurrence on file).  
Are project conditions required?  Yes (see Section V)  No **(Review Concluded)**
  - Adverse Effect Determination (FEMA finding/SHPO/THPO concurrence on file)
    - Resolution of Adverse Effect completed. (MOA on file)  
Are project conditions required  Yes (see Section V)  No **(Review Concluded)**

### ARCHEOLOGICAL RESOURCES

- Project affects only previously disturbed ground. **(Review Concluded)**
- Project affects undisturbed ground.
  - Project area has no potential for presence of archeological resources
    - Determination of no historic properties affected (FEMA finding/SHPO/THPO concurrence or consultation on file). **(Review Concluded)**
  - Project area has potential for presence of archeological resources
    - Determination of no historic properties affected (FEMA finding/SHPO/THPO concurrence on file)  
Are project conditions required  Yes (see Section V)  No **(Review Concluded)**
    - Determination of historic properties affected
      - NR eligible resources not present (FEMA finding/SHPO/THPO concurrence on file).  
Are project conditions required  Yes (see Section V)  No **(Review Concluded)**
      - NR eligible resources present in project area. (FEMA finding/ SHPO/THPO concurrence on file)
        - No Adverse Effect Determination. (FEMA finding/ SHPO/THPO concurrence on file)  
Are project conditions required?  Yes (see Section V)  No **(Review Concluded)**
        - Adverse Effect Determination. (FEMA finding/ SHPO/THPO concurrence on file)
          - Resolution of Adverse Effect completed. (MOA on file)  
Are project conditions required?  Yes (see Section V)  No **(Review Concluded)**

**Comments:** THC Atlas database reviewed for known sites and site reconnaissance completed on 10/24/08 by archaeologist. Adjacent buildings over 45 years on adjoining property but proposed action will have no effect on these. No evidence of archeological resources was found during site walk-over. No effect determination concurrence received from THC

**Correspondence/Consultation/References:**

- 1) NHPA effect determinations made by Mary Myers, Secretary of the Interior Standards for Archaeology and Historic Preservation qualified investigator.
- 2) Consultation completed with Texas Historical Commission on 11/6/2008.

### B. Endangered Species Act

- No listed species and/or designated critical habitat present in areas affected directly or indirectly by the Federal action. **(Review Concluded)**
- Listed species and/or designated critical habitat present in the areas affected directly or indirectly by the Federal action.
  - No effect to species or designated critical habitat. (See comments for justification)  
Are project conditions required?  Yes (see Section V)  No **(Review Concluded)**
  - May affect, but not likely to adversely affect species or designated critical habitat (FEMA determination/USFWS/NMFS concurrence on file) **(Review Concluded)**  
Are project conditions required?  Yes (see Section V)  No **(Review Concluded)**
  - Likely to adversely affect species or designated critical habitat
    - Formal consultation concluded. (Biological Assessment and Biological Opinion on file)  
Are project conditions required?  YES (see Section V)  NO **(Review Concluded)**

**Comments:** Listed species habitat does not occur in or near this site, thus this project will have no effect to threatened or endangered species.

**Correspondence/Consultation/References:**

- 1) Field observations during site visit on October 24, 2008 by Don Pitts, PhD, federal wildlife biologist, endangered species specialist.
- 2) US Fish and Wildlife Service (USFWS) collaboration in 10/31/08 email from Edith Erflig

### C. Coastal Barrier Resources Act

- Project is not on or connected to CBRA Unit or Otherwise Protected Area (**Review Concluded**).
- Project is on or connected to CBRA Unit or Otherwise Protected Area. (FEMA determination/USFWS consultation on file)
- Proposed action an exception under Section 3505.a.6 (**Review Concluded**)
- Proposed action not excepted under Section 3505.a.6.
- Are project conditions required?  YES (see Section V)  NO (**Review Concluded**)

**Comments:** Project is not within a CBRA zone.

**Correspondence/Consultation/References:**

Based FEMA FIRM maps via GIS data search on 10/21/08.

### D. Clean Water Act

- Project would not affect any waters of the U.S. (**Review Concluded**)
- Project would affect federal designated jurisdictional waters.
- Proposed action covered under Nationwide Permit. (**Review Concluded**)
- Project requires Section 404/401/or Section 10 (Rivers and Harbors Act) individual permit.
- Are project conditions required?  YES (see Section V)  NO (**Review Concluded**)

**Comments:** Jurisdictional waters of the U.S. occur within the project area. The NWI map indicates that the entire project site consists of wetlands but this was found to be incorrect in a jurisdictional determination performed on October 9, 2008 by staff of the USACE Galveston District. This delineation determined that four separate wetland areas totaling 3.30 acres are located along the north boundary of the project area. The ditch between the site and Poskey Road is not jurisdictional. The delineated wetlands will be avoided, protected by fencing, and maintaining a minimum 30' vegetated buffer from site construction. Thus there will be no significant impact.

**Correspondence/Consultation/References:**

- 1) Site visit conducted by Don Pitts on October 24, 2008 .
- 2) USACE Nationwide Permits ([http://www.usace.army.mil/cw/cecwo/reg/nwp/nwp2007\\_gen\\_conditions\\_def.pdf](http://www.usace.army.mil/cw/cecwo/reg/nwp/nwp2007_gen_conditions_def.pdf)) and Drive I:\Enviromental DR-1791-TX - CWA Nationwide Permits
- 3) USACE Wetland delineation forms.

### E. Coastal Zone Management Act

- Project is not located in a coastal zone area and does not affect a coastal zone area (**Review concluded**)
- Project is located in a coastal zone area and/or affects the coastal zone
- State administering agency does not require consistency review. (**Review Concluded**).
- State administering agency requires consistency review.
- Are project conditions required?  YES (see Section V)  NO (**Review Concluded**)

**Comments:** Project is located in a Coastal Zone Management Area, however project does not require consistency review.

**Correspondence/Consultation/References**

- 1) TX General Land Office Coastal Zone Map via GIS
- 2) . Coastal Coordination Council, General Concurrence E-mail dated 11/3/08

### F. Fish and Wildlife Coordination Act

- Project does not affect, control, or modify a waterway/body of water. (**Review Concluded**)
- Project affects, controls or modifies a waterway/body of water.
- Coordination with USFWS conducted

- No Recommendations offered by USFWS. **(Review Concluded)**
- Recommendations provided by USFWS.  
Are project conditions required?  YES (see Section V)  NO **(Review Concluded)**

**Comments:**

A Trinity Irrigation District drainage/ irrigation ditch borders the site to the west and north, but the proposed project will not result in an adverse impact to water resources. The ditches are protected by significant berms and this project will not impact the integrity of those berms. Culverted crossings over the small, unregulated ditch between the site and Poskey Road will not adversely effect water or aquatic habitat quality.

**Correspondence/Consultation/References:**

Site visit conducted on October 24, 2008 by Don Pitts, PhD, federal wildlife biologist.

### G. Clean Air Act

- Project will not result in permanent air emissions. **(Review Concluded)**
- Project is located in an attainment area. **(Review Concluded)**
- Project is located in a non-attainment area.  
 Coordination required with applicable state administering agency.  
Are project conditions required?  YES (see section V)  NO **(Review Concluded)**

**Comments:** Chambers County is in a non-attainment area due to 8-hour ozone load.

The proposed project includes activities that would produce a minor, temporary, and localized impact on air quality from vehicle emissions and fugitive dust particles. No long-term air quality impact is anticipated.

**Correspondence/Consultation/References:**

EPA Region 6 Non-attainment Map

### H. Farmland Protection Policy Act

- Project does not affect designated prime or unique farmland. **(Review Concluded)**
- Project causes unnecessary or irreversible conversion of designated prime or unique farmland.  
 Coordination with Natural Resource Conservation Commission required.  
 Farmland Conversion Impact Rating, Form AD-1006, completed.  
Are project conditions required?  YES (see section V)  NO **(Review Concluded)**

**Comments:** The Vamont clay soil series found on this site is not suitable for classification as prime or unique farmland.

**Correspondence/Consultation/References:** Field observations during the site visit on 10/24/08, GIS and internet search by Don Pitts, USACE, also using data contained in wetland delineation report.

2) NRCS soil series data and USACE wetland delineation report.

### I. Migratory Bird Treaty Act

- Project not located within a flyway zone. **(Review Concluded)**
- Project located within a flyway zone.  
 Project does not have potential to take migratory birds. **(Review Concluded)**  
Are project conditions required?  Yes (see section V)  No **(Review Concluded)**
- Project has potential to take migratory birds.  
 Contact made with USFWS  
Are project conditions required?  YES (see section V)  NO **(Review Concluded)**

**Comments:** There is potential for migratory birds, especially flocking and grassland birds, to utilize the site for temporarily for foraging, and occasional nesting by grassland birds may occur in its present state, though not in significant numbers. Removal of this site's availability to migratory birds will have no significant impact on the birds. Due to its recently fallow state, foraging value is diminished and the site would not be included in the USFWS migratory bird management program.

**Correspondence/Consultation/References:**

1) Field observations during site visit on 10/24/08 by Don Pitts, USACE wildlife biologist.

### J. Magnuson-Stevens Fishery Conservation and Management Act

- Project not located in or near Essential Fish Habitat. **(Review Concluded)**
- Project located in or near Essential Fish Habitat.
  - Project does not adversely affect Essential Fish Habitat. **(Review Concluded)**  
Are project conditions required?  Yes (see Section V)  No **(Review Concluded)**
  - Project adversely affects Essential Fish Habitat (FEMA determination/USFWS/NMFS concurrence on file)
    - NOAA Fisheries provided no recommendation(s) **(Review Concluded)**.  
Are project conditions required?  Yes (see Section V)  No **(Review Concluded)**
    - NOAA Fisheries provided recommendation(s)
      - Written reply to NOAA Fisheries recommendations completed.  
Are project conditions required?  YES (see Section V)  NO **(Review Concluded)**

**Comments:** Project is not located in or near any surface waters with the potential to affect EFH species. The drainage/irrigation ditches on the north and west borders of the project site have the potential of contributing to fish conservation, and these will be fenced for protection and not impacted. Building a crossing with culverts over the small drainage ditch on the south edge of the property between the site and Poskey Road would not affect Essential Fish Habitat

**Correspondence/Consultation/References:**  
Site inspection on 10/24/08 by Don Pitts, PhD, federal wildlife biologist.

### K. Wild and Scenic Rivers Act

- Project is not along and does not affect Wild or Scenic River (WSR) - **(Review Concluded)**
- Project is along or affects WSR
  - Project adversely affects WSR as determined by NPS/USFS. **FEMA cannot fund the action.** (NPS/USFS/USFWS/BLM consultation on file) **(Review Concluded)**
  - Project does not adversely affect WSR. (NPS/USFS/USFWS/BLM consultation on file)  
Are project conditions required?  YES (see Section V)  NO **(Review Concluded)**

**Comments:** There are no Wild and Scenic Rivers located in or near potential project sites. The only designated river in the State of Texas is a portion of the Rio Grande River near Big Bend National Park located the SW portion of the State. **Correspondence/Consultation/References:** National Wild and Scenic Rivers <http://www.nps.gov/rivers/wildriverslist.html>.

### L. Other Relevant Laws and Environmental Regulations

None.

## II. Compliance Review for Executive Orders

### A. E.O. 11988 - Floodplains

- No Effect on Floodplains/Flood levels and project outside Floodplain - **(Review Concluded)**
- Located in Floodplain or Effects on Floodplains/Flood levels
  - No adverse effect on floodplain and not adversely affected by the floodplain. **(Review Concluded)**.  
Are project conditions required?  Yes (see Section V)  No **(Review Concluded)**
  - Beneficial Effect on Floodplain Occupancy/Values **(Review Concluded)**.
  - Possible adverse effects associated with investment in floodplain, occupancy or modification of floodplain environment
    - 8 Step Process Complete - documentation on file  
Are project conditions required?  YES (see Section V)  NO **(Review Concluded)**

**Comments:** The site is located in Zone C, 500 year floodplain. There is no Zone A floodplain or floodplain buffer near the site.

**B. E.O. 11990 - Wetlands**

- No Effects on Wetland(s) and project located outside Wetland(s) - **(Review Concluded)**
  - Located in Wetland or effects Wetland(s)
    - Beneficial Effect on Wetland - **(Review Concluded)**
    - Possible adverse effect associated with constructing in or near wetland
      - Review completed as part of floodplain review
      - 8 Step Process Complete - documentation on file
- Are project conditions required?  YES (see Section V)  NO **(Review Concluded)**

**Comments:** While there are delineated wetlands on the northern edge of the parcel, those wetlands will not be in the actual project area. The wetlands will be fenced before development begins to protect them from the construction process, then from later damage by residents. A minimum 30' vegetated buffer will be provided; this project will not be conducted within impact distance of the wetlands.

**Correspondence/Consultation/References:**

- 1) Wetland delineation documents prepared by Nicholas Laskowski from his inspection on 10-9-08,
- 2) collaborated by field observation from 10/24/08 site visit by Don Pitts and Richard Legere, USACE.
- 3) NWI Maps

**C. E.O. 12898 - Environmental Justice For Low Income and Minority Populations**

- No Low income or minority population in, near or affected by the project - **(Review Concluded)**
  - Low income or minority population in or near project area
    - No disproportionately high and adverse impact on low income or minority population- **(Review Concluded)**
    - Disproportionately high or adverse effects on low income or minority population
- Are project conditions required?  YES (see Section V)  NO **(Review Concluded)**

**Comments:** The percent populations of 77514 are: 66.5% white, 15.9% African American, and 14.9% other and mixed race. The median household income in 1999 was \$38,549 and 9.2% of families are below poverty level. The demographics of the proposed park's residents are not available at this time. Implementation of the proposed action would result in beneficial impacts to minority and low income displaced residents by providing equal access to temporary emergency housing, usually within the general area of their pre-disaster places of residences. Although the park residents' demographics are not part of the occupancy selection criteria, they are generally expected to be representative of the demographics of the surrounding community. Furthermore, site area demographics are not part of the site selection criteria and sites with potential adverse environmental and public health concerns are avoided.

**Correspondence/Consultation/References:** U.S. Census bureau 2000 data at <http://factfinder.census.gov>, referenced October 24, 2008.

**III. Other Environmental Issues**

**Identify other potential environmental concerns in the comment box not clearly falling under a law or executive order (see environmental concerns scoping checklist for guidance).**

**Hazardous Materials and Toxic Wastes**

**Comment:** There are no issues with this site. This is farmland, with a hospital nearby. There were no files at all on this location in all data bases checked by Richard Dabal, CHMM, REP, HWTR specialist. Site was also inspected, only a clean, fallow farm field was observed with no potential environmental conditions.

**Correspondence/Consultation/References:**

- 1) Environmental FirstSearch Report, October 14, 2008. Hazmat review and final health and safety determinations made by Richard Dabal, Hazmat Specialist.
- 2) Site Inspection by Don Pitts and Richard Legere USACE, 10/24/08.
- 3) GEOPlus reported dated 10/26/08.

### **IV. Extraordinary Circumstances**

**Based on the review of compliance with other environmental laws and Executive Orders, and in consideration of other environmental factors, review the project for extraordinary circumstances.**

\* A “Yes” under any circumstance may require an Environmental Assessment (EA) with the exception of (ii) which should be applied in conjunction with controversy on an environmental issue. If the circumstance can be mitigated, please explain in comments. If no, leave blank.

**Yes**

- (i) Greater scope or size than normally experienced for a particular category of action
- (ii) Actions with a high level of public controversy
- (iii) Potential for degradation, even though slight, of already existing poor environmental conditions;
- (iv) Employment of unproven technology with potential adverse effects or actions involving unique or unknown environmental risks;
- (v) Presence of endangered or threatened species or their critical habitat, or archaeological, cultural, historical or other protected resources;
- (vi) Presence of hazardous or toxic substances at levels which exceed Federal, state or local regulations or standards requiring action or attention;
- (vii) Actions with the potential to affect special status areas adversely or other critical resources such as wetlands, coastal zones, wildlife refuge and wilderness areas, wild and scenic rivers, sole or principal drinking water aquifers;
- (viii) Potential for adverse effects on health or safety; and
- (ix) Potential to violate a federal, state, local or tribal law or requirement imposed for the protection of the environment.
- (x) Potential for significant cumulative impact when the proposed action is combined with other past, present and reasonably foreseeable future actions, even though the impacts of the proposed action may not be significant by themselves.

*Comments:*

### **V. Environmental Review Project Conditions**

**Project Conditions:**

- In order to convey stormwater runoff, the contractor will be required to design drainage features so that flows will not cause nuisance flooding in or surrounding properties during significant rain events. The drainage system will be required to meet local and parish requirements, including the acquisition of easements, if applicable. All permit conditions will be incorporated into the project design and implementation.
- Removal of vegetation may result in direct and indirect impacts to existing water resources and/or associated downstream drainage systems. In order to minimize impacts to any waters of the U.S., the contractor is required to implement Best Management Practices (BMPs) that meet the Texas Commission on Environmental Quality’s permitting specifications for stormwater discharge. This includes designing the site with specific construction measures to reduce or eliminate run-off impacts. With these measures in place, it is unlikely the proposed action would have a significant effect on the quality of surface waters.
- Area soils shall be covered and/or wetted as necessary during construction to minimize dust.

- In the event that archeological deposits, including any Native American pottery, stone tools, bones, or human remains, are uncovered, the project shall be halted and the applicant shall stop all work immediately in the vicinity of the discovery and take reasonable measures to avoid or minimize harm to the finds. All archeological findings will be secured and access to the sensitive area restricted. The applicant will inform FEMA immediately and FEMA will consult with the State Historic Preservation Office (SHPO) or Tribal Historic Preservation Office (THPO) and Tribes and work in sensitive areas cannot resume until consultation is completed and appropriate measures have been taken to ensure that the project is in compliance with the National Historic Preservation Act (NHPA).

- In the event that archeological deposits, including any Native American pottery, stone tools, bones, or human remains, are uncovered, the project shall be halted and the applicant shall stop all work immediately in the vicinity of the discovery and take reasonable measures to avoid or minimize harm to the finds. All archeological findings will be secured and access to the sensitive area restricted. The applicant will inform FEMA immediately and FEMA will consult with the State Historic Preservation Office (SHPO) or Tribal Historic Preservation Office (THPO) and Tribes and work in sensitive areas cannot resume until consultation is completed and appropriate measures have been taken to ensure that the project is in compliance with the National Historic Preservation Act (NHPA).

RECEIVED

OCT 30 2008

Division of Architecture

U.S. Department of Homeland Security  
Federal Emergency Management Agency  
FEMA-1791-DR-LA  
Austin Joint Field Office  
6001 Airport Blvd., Suite 200  
Austin, Texas 78752

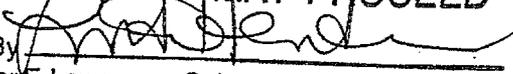


FEMA

October 30, 2008

F. Lawrence Oaks  
State Historic Preservation Officer  
Texas Historical Commission  
P.O. Box 12276  
Austin, TX 78711-2276

NO HISTORIC  
PROPERTIES AFFECTED  
PROJECT MAY PROCEED

By   
for F. Lawrence Oaks  
State Historic Preservation Officer  
Date 5 November 2008

RE: **Expedited:** Section 106 Review Consultation, FEMA-1791-DR-TX, Hurricane Ike  
**Project:** Individual Assistance - Community Site for Temporary Housing  
**Location:** Poskey Site - Site Control #004 (88 acres open field with Platt for 280 site built homes)  
**Address:** Poskey Road, between Hwy 563 and South Main Street, Anahuac, Chambers County,  
Texas 77514  
**Latitude/Longitude:**  
NE Corner: N 29.75209, W -94.67320  
SE Corner: N 29.74959, W -94.67487  
SW Corner: N 29.74950, W -94.68377

Dear Mr. Oaks:

The Federal Emergency Management Agency (FEMA) will be providing funds authorized under the Robert T. Stafford Disaster Relief and Emergency Assistance Act, P.L. 93-288, as amended, in response to the major Disaster Declaration for FEMA-1791-DR-TX, dated September 7, 2008, as amended. FEMA is initiating Section 106 review for the above referenced property in accordance with the Programmatic Agreement between FEMA, the Texas Historical Commission (SHPO), and the Governor's Division of Emergency Preparedness (GDEM) dated August 30, 2005.

**Proposed Project Scope of Work**

Severe storm damage to numerous private residential properties within the County of Chambers has resulted in the need for Temporary Housing on Community Sites to provide shelter for the displaced citizens in the community. It is proposed that federal funding through FEMA's Individual Assistance program be provided to Chambers County for the Temporary Housing Community Sites.

**Area of Potential Effect**

Because of the immediate adjacency of structures greater than 45 years old to the proposed Poskey Community Site parcel of land, FEMA has determined the *Area of Potential Effect* includes not only the proposed Community Site parcel, but also those adjacent properties as listed below and as referenced on the enclosed aerial or topographic map.

a concrete foundation pad remains. A rodeo grounds was in operation northeast of the nightclub site between 1983 and 1991.

#### Results of Research

There are four structures located within the APE, one of which is greater than 45 years old. An early twentieth-century stick-built and metal roofed front gable house, approximately 15 x 20 feet in size, is located at N30.12039 W093.79900 (Record No. 1). Review of the National Register of Historic Places (NRHP) database indicates that the house is not listed individually, as part of a designated historic district, or as a National Historic Landmark on the NRHP. In addition, it is not identified in the Texas Historical Commission (THC) Atlas database. Due to their relatively recent construction, the three remaining structures, the deteriorating open-air arena (1983), a manufactured office bldg (c. 1990s), and a motocross "call" building (c. 2000s), are not under NRHP or THC consideration.

A site visit was made by a Secretary of Interior (SOI) qualified Archaeologist which performed a pedestrian survey of the APE. Pedestrian survey of the APE resulted in the discovery of no archaeological resources. The THC Atlas and NRHP indicated there are no previously identified archaeological sites located on or directly adjacent to the property.

#### Determination of Eligibility

Based on background research and a site visit to the proposed Longhorn Motocross Development Community Site by a SOI Structures Specialist, FEMA has determined that the above mentioned structures are *Not Eligible* for listing on the NRHP under Criteria A-C.

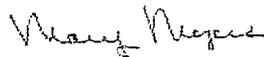
FEMA has reviewed site information provided by the SOI qualified Archaeologist and has made a determination that there are no archaeological resources within the proposed Community Site property and is therefore *Not Eligible* for the NRHP under Criterion D.

#### Findings of Effect and Request for SHPO Concurrence

Based on the above stated Determination of Eligibility findings, FEMA has determined that there will be *No Historic Properties Affected* as a result of the proposed Longhorn Motocross Temporary Housing Community Site undertaking. Photographs and a USGS Topographic map showing the project location are attached.

Your prompt review of this project is greatly appreciated. Should you need additional information please contact Mary Myers, Historic Specialist, at (202) 431-8691.

Sincerely,



Mary Myers,  
EHP Specialist  
FEMA-1791-DR-TX

#### Attachments:

Aerial Map of APE  
USGS Topographical Map  
Site Recon Worksheets; Evaluation of Properties  
Photographs & Log

## **Appendix B**

### **GeoSearch Radius Report With Geoplus and Oil/Gas & Pipeline Report**



---

## ***RADIUS REPORT WITH GEOPLUS***

---

*Target Property:*

***Cecil Parker/Polsky Site  
Chambers County, TX  
Project #: UEI 0277***

*Prepared For:*

***ECS - Houston***

***Job #: 78095 / Date: 10/26/08***

## SITE SUMMARY

### *Cecil Parker/Polsky Site*

**Latitude:** 29.751108000  
**Longitude:** -94.678918000

**USGS Quadrangle:** Anahuac, Oak Island  
**County:** Chambers

**Target property is located in Radon Zone 3 (Chambers County, TX). Zone 3 counties have a predicted average indoor radon screening level less than 2 pCi/L.**

**Target property lies within the following aquifer boundary:  
Gulf Coast - Major Aquifer**

Disclaimer - The information provided in this report was obtained from a variety of public sources. GeoSearch cannot ensure and makes no warranty or representation as to the accuracy, reliability, quality, errors occurring from data conversion or the customer's interpretation of this report. This report was made by GeoSearch for exclusive use by its clients only. Therefore, this report may not contain sufficient information for other purposes or parties. GeoSearch and its partners, employees, officers and independent contractors cannot be held liable for actual, incidental, consequential, special or exemplary damages suffered by a customer resulting directly or indirectly from any information provided by GeoSearch.



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

## DATABASE FINDINGS SUMMARY

DATABASE	ACRONYM	LOCA- TABLE	UNLOCA- TABLE	SEARCH RADIUS
<b>FEDERAL</b>				
DELISTED NATIONAL PRIORITY LIST	DNPL	0	0	1.000 miles
DEPARTMENT OF DEFENSE	DOD	0	0	1.000 miles
FORMERLY USED DEFENSE SITES	FUDS	0	0	1.000 miles
NATIONAL PRIORITY LIST	NPL	0	0	1.000 miles
NO LONGER REGULATED RESOURCE CONSERVATION & RECOVERY ACT - CORRECTIVE ACTION	NLRRCRAC	0	0	1.000 miles
PROPOSED NATIONAL PRIORITY LIST	PNPL	0	0	1.000 miles
RECORDS OF DECISION	RODS	0	0	1.000 miles
RESOURCE CONSERVATION & RECOVERY ACT - CORRECTIVE ACTION	RCRAC	0	0	1.000 miles
BROWNFIELDS MANAGEMENT SYSTEM	BF	0	0	0.500 miles
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION & LIABILITY INFORMATION SYSTEM	CERCLIS	0	0	0.500 miles
LAND USE CONTROL INFORMATION SYSTEM	LUCIS	0	0	0.500 miles
NO FURTHER REMEDIAL ACTION PLANNED	NFRAP	0	0	0.500 miles
NO LONGER REGULATED RESOURCE CONSERVATION & RECOVERY ACT - TREATMENT, STORAGE & DISPOSAL	NLRRCRAT	0	0	0.500 miles
RESOURCE CONSERVATION & RECOVERY ACT - TREATMENT, STORAGE & DISPOSAL	RCRAT	0	0	0.500 miles
NO LONGER REGULATED RESOURCE CONSERVATION & RECOVERY ACT - GENERATOR	NLRRCRAG	0	0	Target Property and Adjoining
RESOURCE CONSERVATION & RECOVERY ACT - GENERATOR	RCRAG	0	0	Target Property and Adjoining
AEROMETRIC INFORMATION RETRIEVAL SYSTEM / AIR FACILITY SUBSYSTEM	AIRSAFS	0	0	Target Property
BIENNIAL REPORT SYSTEM	BRS	0	0	Target Property
CERCLIS LIENS	SFLIENS	0	0	Target Property
CLANDESTINE DRUG LABORATORY LOCATIONS	CDL	0	0	Target Property
EMERGENCY RESPONSE NOTIFICATION SYSTEM	ERNS	0	0	Target Property
EPA DOCKET DATA	DOCKETS	0	0	Target Property
FACILITY REGISTRY SYSTEM	FRS	0	0	Target Property
FEDERAL INSTITUTIONAL / ENGINEERING CONTROLS	EC	0	0	Target Property
HAZARDOUS MATERIALS INCIDENT REPORTING SYSTEM	HMIRS	0	0	Target Property
INTEGRATED COMPLIANCE INFORMATION SYSTEM (FORMERLY DOCKETS)	ICIS	0	0	Target Property
INTEGRATED COMPLIANCE INFORMATION SYSTEM NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	ICISNPDES	0	0	Target Property
MATERIAL LICENSING TRACKING SYSTEM	MLTS	0	0	Target Property
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM	NPDES	0	0	Target Property
PCB ACTIVITY DATABASE SYSTEM	PADS	0	0	Target Property



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

## DATABASE FINDINGS SUMMARY

<b>DATABASE</b>	<b>ACRONYM</b>	<b>LOCA- TABLE</b>	<b>UNLOCA- TABLE</b>	<b>SEARCH RADIUS</b>
PERMIT COMPLIANCE SYSTEM	PCS	0	0	Target Property
SECTION SEVEN TRACKING SYSTEM	SSTS	0	0	Target Property
TOXIC SUBSTANCES CONTROL ACT	TSCA	0	0	Target Property
TOXICS RELEASE INVENTORY	TRI	0	0	Target Property
<b><u>TRIBAL</u></b>				
INDIAN RESERVATIONS	INDIANRES	0	0	1.000 miles
LEAKING UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	LUSTR06	0	0	0.500 miles
OPEN DUMP INVENTORY ON TRIBAL LANDS	ODINDIAN	0	0	0.500 miles
UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	USTR06	0	0	0.250 miles
<b><u>STATE</u></b>				
STATE SUPERFUND	SF	0	0	1.000 miles
AFFECTED PROPERTY ASSESSMENT REPORTS	APAR	0	0	0.500 miles
BROWNFIELD SITE ASSESMENT	BSA	0	0	0.500 miles
CLOSED & ABANDONED LANDFILL INVENTORY	CALF	0	0	0.500 miles
INNOCENT OWNER / OPERATOR PROGRAM	IOP	0	0	0.500 miles
LEAKING PETROLEUM STORAGE TANK	LPST	0	0	0.500 miles
MUNICIPAL SOLID WASTE LANDFILL SITES	MSWLF	0	0	0.500 miles
RADIOACTIVE WASTE SITES	RWS	0	0	0.500 miles
RAILROAD COMMISSION VCP SITES	RRCVCP	0	0	0.500 miles
TIER II CHEMICAL REPORTING PROGRAM	TIERII	1	0	0.500 miles
VOLUNTARY CLEANUP PROGRAM	VCP	0	0	0.500 miles
WASTE MANAGEMENT RECYCLING FACILITIES	WMRF	0	0	0.500 miles
DRY CLEANER REGISTRATION	DCR	0	0	0.250 miles
INDUSTRIAL AND HAZARDOUS WASTE	IHW	0	0	0.250 miles
PERMITTED INDUSTRIAL HAZARDOUS WASTE SITES	PIHW	0	0	0.250 miles
PETROLEUM STORAGE TANKS	PST	0	0	0.250 miles
GROUNDWATER CONTAMINATION CASES	GWCC	0	0	Target Property
HISTORIC GROUNDWATER CONTAMINATION CASES	HISTGWCC	0	0	Target Property
MUNICIPAL SETTINGS DESIGNATION REPORT	MSD	0	0	Target Property
NOTICES OF VIOLATION	NOV	0	0	Target Property
SPILLS LISTING	SPILLS	0	0	Target Property
STATE INSTITUTIONAL/ENGINEERING CONTROLS	SIEC01	0	0	Target Property
TCEQ LIENS	LIENS	0	0	Target Property
<b><u>WATER WELL</u></b>				
WATER WELL DATABASE - SDRD	SDRD	0	0	0.500 miles
WATER WELL DATABASE - TCEQ	TCEQ	0	0	0.500 miles
WATER WELL DATABASE - TWDB	TWDB	1	0	0.500 miles
WATER WELL DATABASE - USGS	USGS	1	0	0.500 miles

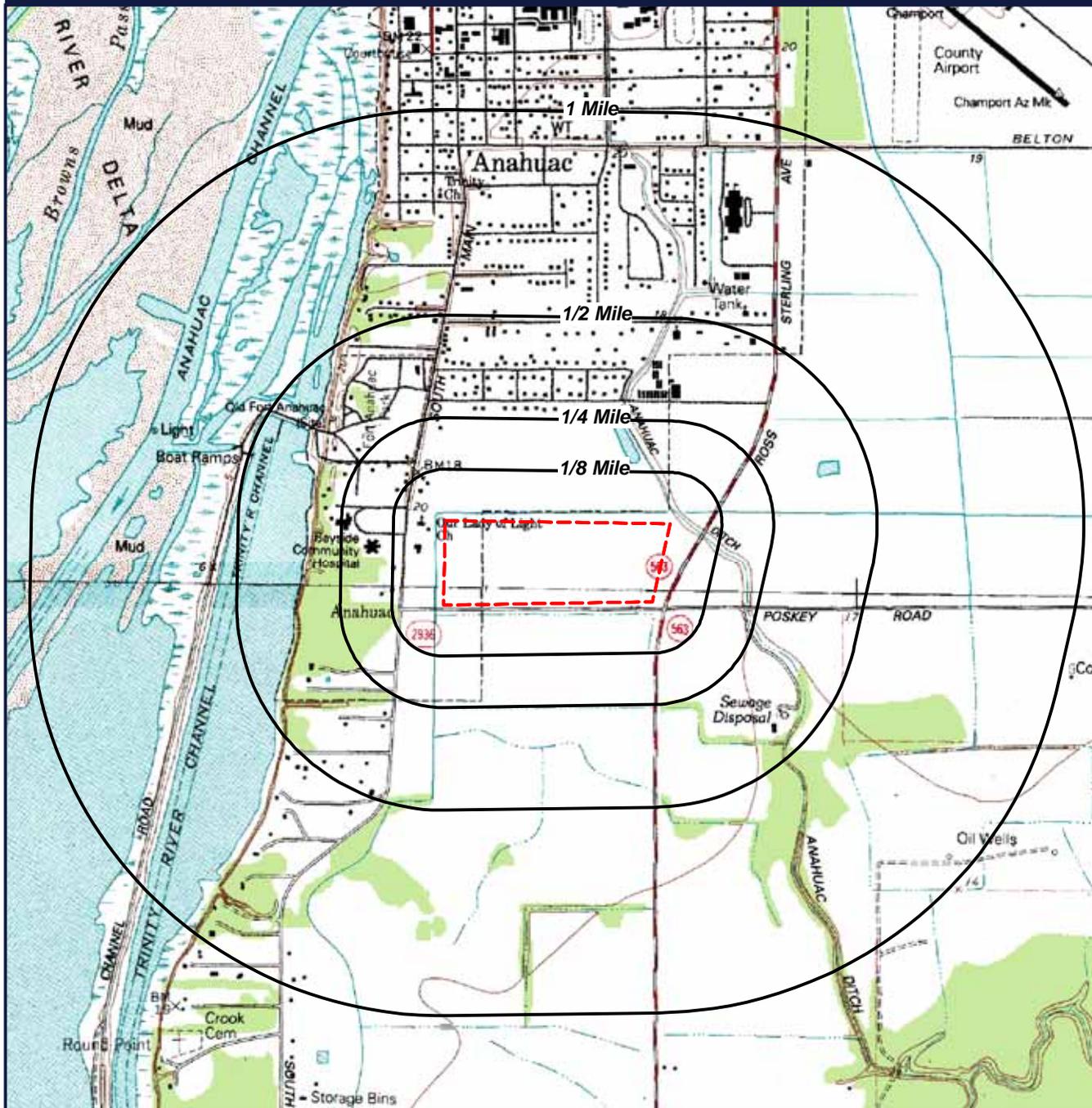


2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

## DATABASE FINDINGS SUMMARY

DATABASE	ACRONYM	LOCA- TABLE	UNLOCA- TABLE	SEARCH RADIUS
WATER WELL DATABASE - WUD	WUD	0	0	0.500 miles
<b>TOTAL</b>		<b>3</b>	<b>0</b>	
FEDERAL EMERGENCY MANAGEMENT AGENCY MAP	FEMA			
NATIONAL WETLANDS INVENTORY MAP	NWI			
SOIL SURVEY MAP	SOIL			

# TOPOGRAPHIC MAP



 TARGET PROPERTY BOUNDARY (TP)

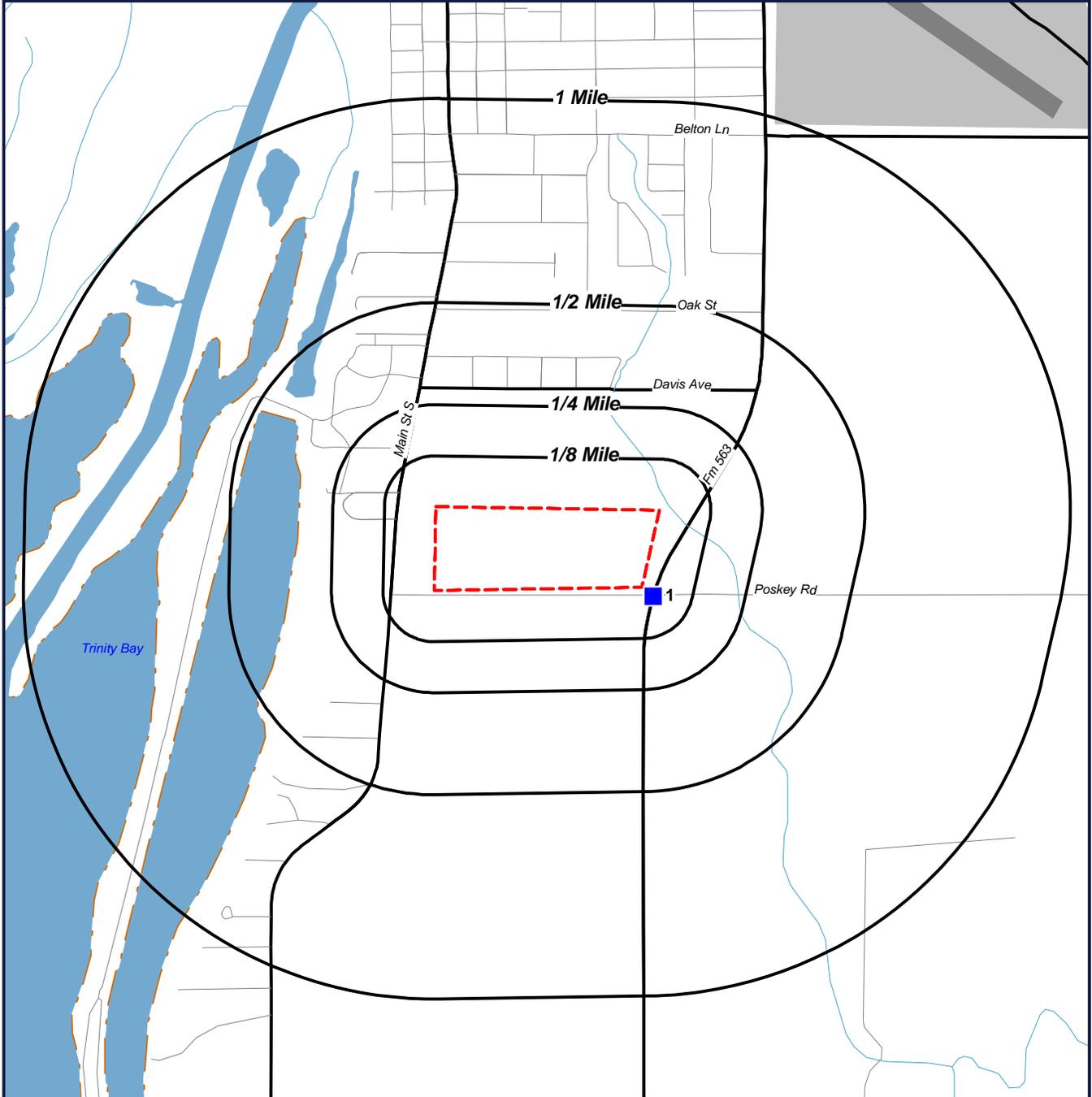
**Project #: UEI 0277**  
**Quadrangle(s): Anahuac, Oak Island**  
**Source: USGS, 1993**  
**Cecil Parker/Polsky Site**  
**Chambers County, TX**



**GeoSearch**

2705 Bee Caves Rd, Suite 330 - Austin, Texas 78746 - phone: 866-396-0042 - fax: 512-472-9967

# RADIUS MAP



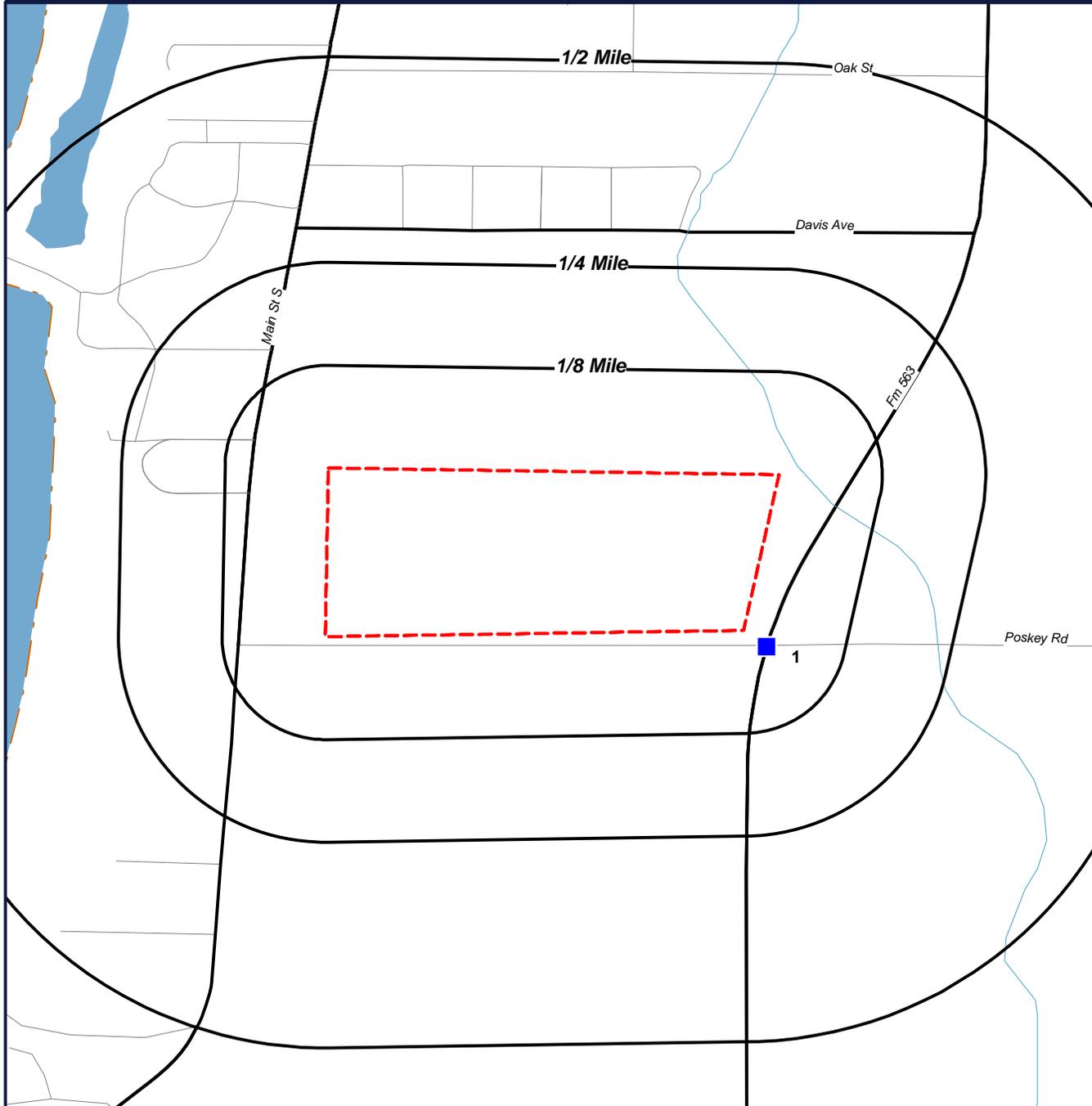
-  TARGET PROPERTY BOUNDARY (TP)
-  TIER II

**Project #: UEI 0277**  
**Cecil Parker/Polsky Site**  
**Chambers County, TX**



2705 Bee Caves Rd, Suite 330 - Austin, Texas 78746 - phone: 866-396-0042 - fax: 512-472-9967

# RADIUS MAP



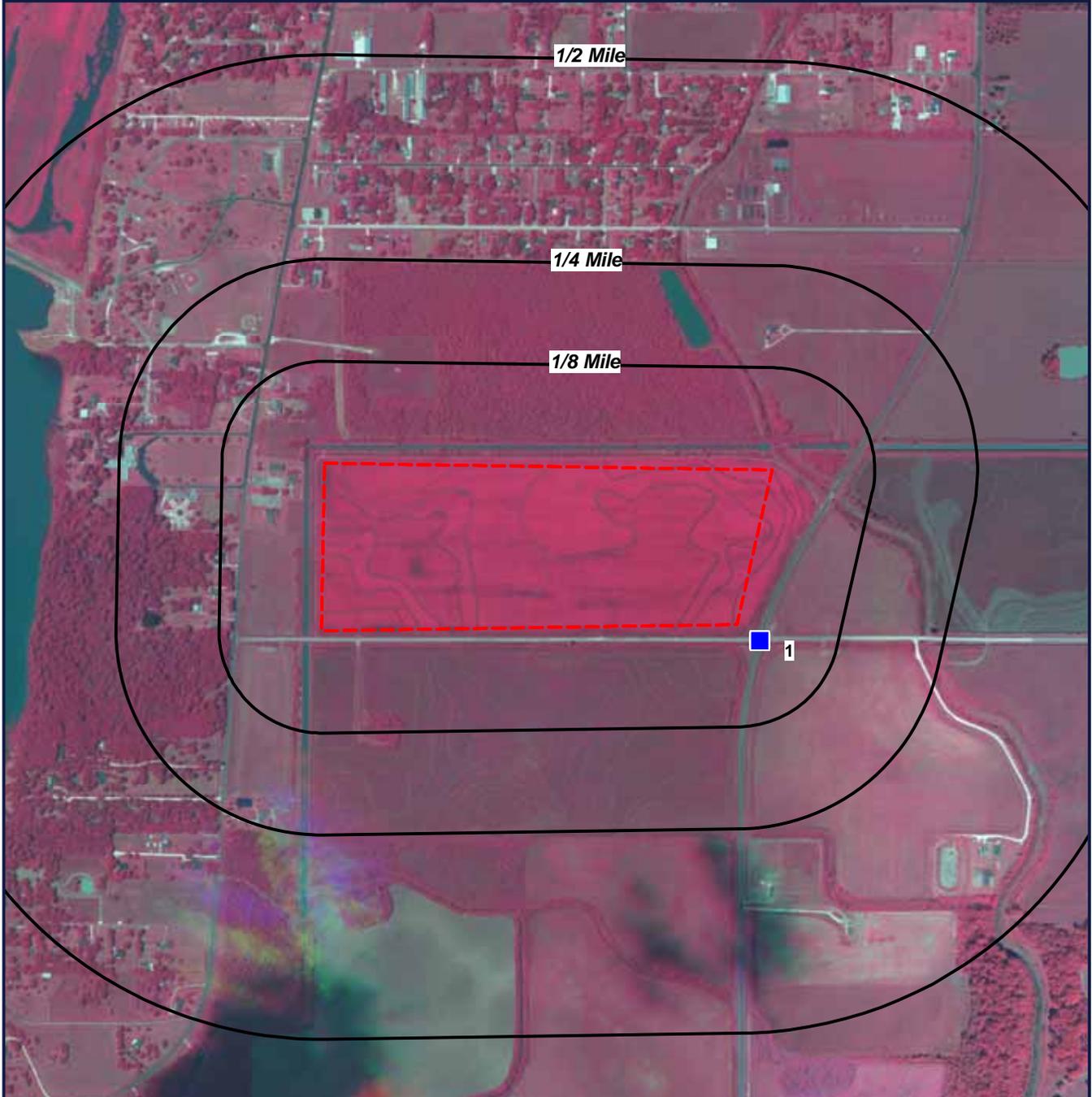
-  TARGET PROPERTY BOUNDARY (TP)
-  TIERII

**Project #: UEI 0277**  
**Cecil Parker/Polsky Site**  
**Chambers County, TX**



2705 Bee Caves Rd, Suite 330 - Austin, Texas 78746 - phone: 866-396-0042 - fax: 512-472-9967

# ORTHOPHOTO MAP



 TARGET PROPERTY BOUNDARY (TP)  
 TIER II

**Project #: UEI 0277**  
**Quadrangle(s): Anahuac, Oak Island**  
**Source: USDA (2004)**  
**Cecil Parker/Polsky Site**  
**Chambers County, TX**



**GeoSearch**

2705 Bee Caves Rd, Suite 330 - Austin, Texas 78746 - phone: 866-396-0042 - fax: 512-472-9967

## REPORT SUMMARY OF LOCATABLE SITES

MAP ID#	DATABASE NAME	SITE ID#	DISTANCE FROM SITE	SITE NAME	ADDRESS	CITY, ZIP CODE	PAGE #
1	TIERII	4P2F2D00JWXC	0.040 E	CITY OF ANAHUAC SEWER PLANT	POSKEY RD AND FM 563	ANAHUAC, 77514	1



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

## TIER I I CHEMICAL REPORTING PROGRAM (TIERII)

**MAP ID# 1**

Distance from Property: 0.04 mi. E

### SITE INFORMATION

UNIQUE ID: 4P2F2D00JWXC

SITE ID: FATR20064P2F2D00JWXC

NAME: CITY OF ANAHUAC SEWER PLANT

ADDRESS: POSKEY RD AND FM 563  
ANAHUAC, TX 77514

SIGNED DATE: 2/21/2006

VALIDATION REPORT: THIS FACILITY PASSED ALL VALIDATION CHECKS.

MAILING ADDRESS: P.O. BOX 578  
ANAHUAC, TX 77514

### SITE DETAILS

CHEMICAL LOCATION: CHLORINE ROOM

CHEMICAL AMOUNT: NOT REPORTED

CHEMICAL NAME: CHLORINE (GAS)

MAXIMUM AMOUNT: NOT REPORTED

FIRE: YES                      GAS: YES                      LIQUID: NOT REPORTED                      SOLID: NOT REPORTED

PURE: YES                      MIXTURE: NOT REPORTED

MIXTURE CHEMICAL: CHLORINE (GAS)



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

## ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

### **AIRSAFS Aerometric Information Retrieval System / Air Facility Subsystem (3/2008)**

The 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.

### **BF Brownfields Management System (7/2008)**

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 EPA maintains the activities, including grantee assessment, cleanup and redevelopment, of the various Brownfield grant programs through the Brownfields Management System database.

### **BRS Biennial Reporting System (1/2003)**

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 purpose of this report is to communicate the findings of EPA's Biennial Reporting System (BRS) data collection efforts to the public, government agencies, and the regulated community.

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 (7/2008)**

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.

### **CERCLIS Comprehensive Environmental Response, Compensation & Liability (7/2008)**

CERCLIS is the repository for site and non-site specific Superfund information in support of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). This database contains an extract of sites that have been investigated or are in the process of being investigated for potential environmental risk.



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

## ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

### **DNPL Delisted National Priorities List (7/2008)**

This database includes U.S. Environmental Protection Agency (EPA) Final National Priorities List sites 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.

### **DOCKETS Epa Docket Data (12/2005)**

EPA 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 all by facility and geographically.

### **DOD Department Of Defense Sites (12/2005)**

This information originates from the National Atlas of the United States, publication date October 2005. Army DOD, Army Corps of Engineers DOD, Air Force DOD, Navy DOD and Marine DOD areas of 640 acres or more are included.

### **EC Federal Engineering Controls (6/2008)**

A listing of site locations where Engineering Controls are in effect, such as a cap, barrier, or other device engineering to prevent access, exposure, or continued migration of contamination. Used in conjunction with Institutional Controls.

### **ERNS Emergency Response Notification System (12/2007)**

This database contains data on reported releases of oil and hazardous substances. The data comes from spill reports made to the EPA, U.S. Coast Guard, the National Response Center and/or the Department of Transportation.

### **FRS Facility Registry System (4/2008)**

The EPA'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.

### **FUDS Formerly Used Defense Sites (9/2008)**

The 2007 FUDS inventory includes properties previously owned or leased to the United States and under Secretary of Defense jurisdiction. The remediation of these properties is the responsibility of the Department of Defense.



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

## ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

### **HMIRS Hazardous Materials Incident Reporting System (7/2008)**

The HMIRS database contains unintentional hazardous materials release information reported to the US Department of Transportation.

### **ICIS Integrated Compliance Information System (formerly Dockets) (3/2008)**

ICIS is a case activity tracking and management system for civil, judicial, and administrative federal EPA 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 (3/2008)**

ICIS-NPDES is an information management system maintained by the Office of Compliance to track permit compliance and enforcement status of facilities regulated by the National Pollutant Discharge Elimination System (NPDES) under the Clean Water Act. ICIS-NPDES is designed to support the NPDES program at the state, regional, and national levels.

### **LUCIS Land Use Control Information System (9/2006)**

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

### **MLTS Material Licensing Tracking System (3/2008)**

MLTS is a list of approximately 8,100 sites which have or use radioactive materials subject to Nuclear Regulatory Commission (NRC) licensing requirements.

### **NFRAP No Further Remedial Action Planned- Cerclis Archives (7/2008)**

This database includes sites, which have been determined by the EPA, following preliminary assessment, to no longer pose a significant risk or require further activity under CERCLA. After initial investigation, no contamination was found, contamination was quickly removed or contamination was not serious enough to require Federal Superfund action or NPL consideration.

### **NLRRCRAC No Longer Regulated Rcra Corrective Action Facilities (8/2008)**

This database includes RCRA Corrective Action facilities that are no longer regulated by the EPA or do not meet other RCRA reporting requirements.



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

## ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

### **NLRRCRAG No Longer Regulated Rcra Generator Facilities (8/2008)**

This database includes RCRA Generator facilities that are no longer regulated by the EPA or do not meet other RCRA reporting requirements. This listing includes facilities that formerly generated hazardous waste.

### **NLRRCRAT No Longer Regulated Rcra Non-corrects Tsd Facilities (8/2008)**

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

### **NPDES National Pollutant Discharge Elimination System (4/2007)**

Information in this database is extracted from the (PCS) Water Permit Compliance System database which is used by EPA to track surface water permits issued under the Clean Water Act. Refer to the PCS and/or ICIS-NPDES database as source of current data.

### **NPL National Priorities List (7/2008)**

This database includes U.S. 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.

### **PADS Pcb Activity Database (12/2007)**

The PCB Activity Database System (PADS) is used by the EPA to monitor the activities of polychlorinated biphenyls (PCB) handlers.

### **PCS Permit Compliance System (3/2008)**

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 Office of Compliance. PCS is designed to support the NPDES program at the state, regional, and national levels.

### **PNPL Proposed National Priorities List (7/2008)**

This database contains sites proposed to the National Priorities List (NPL) in the Federal Register. The EPA 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 (8/2008)**

This database includes hazardous waste sites listed with corrective action activity in the RCRAInfo system. The Corrective Action Program requires owners or operators of RCRA facilities (or



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

## ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

treatment, storage, and disposal facilities) to investigate and cleanup contamination in order to protect human health and the environment. The EPA defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS).

### **RCRAG Resource Conservation & Recovery Act - Generator (8/2008)**

This database includes sites listed as generators of hazardous waste (large, small, and exempt) in the RCRAInfo system. See RCRA Description page for more information. The EPA defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS).

### **RCRAT Resource Conservation & Recovery Act - Treatment, Storage & Disposal (8/2008)**

This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste in the RCRAInfo system. The EPA defines RCRAInfo as the comprehensive information system which provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS).

### **RODS Record Of Decision System (7/2008)**

These decision documents maintained by the U.S. EPA 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.

### **SFLIENS Cerclis Liens (9/2008)**

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties. This database contains those CERCLIS sites where the Lien on Property action is complete.



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

## ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

<b>SSTS Section Seven Tracking System</b>	<b>(12/2006)</b>
---	------------------

SSTS is the system that EPA uses to track pesticide producing establishments and the amount of pesticides they produce. SSTS records the registration of new establishments and records pesticide production at each establishment. It is a repository for information on the establishments that produce pesticides.

<b>TRI Toxics Release Inventory</b>	<b>(12/2006)</b>
-------------------------------------	------------------

This EPA database includes information about releases and transfers of toxic chemicals from manufacturing facilities.

<b>TSCA Toxic Substance Control Act Inventory</b>	<b>(12/2002)</b>
---	------------------

The TSCA Chemical Substance Inventory contains information on the production amount of toxic chemicals from each manufacturer and importer site.

## ENVIRONMENTAL RECORDS DEFINITIONS - STATE

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

**(4/2008)**

As regulated by the TCEQ, 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.

### **BSA Brownfields Site Assessments**

**(9/2008)**

The BSA database includes relevant information on contaminated Brownfields properties that are being cleaned.

### **CALF Closed & Abandoned Landfill Inventory**

**(11/2005)**

TCEQ, under a contract with Texas State University, and in cooperation with the 24 regional Council of Governments 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.

### **DCR Dry Cleaner Registration**

**(5/2008)**

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

### **GWCC Groundwater Contamination Cases**

**(12/2007)**

This report contains a listing of groundwater contamination cases which were documented for the 2007 calendar year. Texas Water Code, Section 26.406 requires the annual report to describe the current status of groundwater monitoring activities conducted or required by each agency at regulated facilities or associated with regulated activities. The agencies reporting these contamination cases include the Texas Commission on Environmental Quality, Railroad Commission of Texas, Texas Alliance of Groundwater Districts, and Department of State Health Services.

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

This historic report contains all agency groundwater contamination cases documented from 1994 to



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

## ENVIRONMENTAL RECORDS DEFINITIONS - STATE

2006. The agencies that reported these contamination cases included the Texas Commission on Environmental Quality, Railroad Commission of Texas, Texas Alliance of Groundwater Districts, and Department of State Health Services.

### **IHW Industrial And Hazardous Waste (4/2008)**

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.

### **IOP Innocent Owner / Operator (9/2008)**

Texas Innocent Owner / Operator (IOP) 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.

### **LIENS Tceq Liens (10/2008)**

Liens filed upon State and/or Federal Superfund Sites by the TCEQ.

### **LPST Leaking Petroleum Storage Tanks (6/2008)**

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 (TCEQ). This listing includes aboveground and underground storage tank facilities with reported leaks.

### **MSD Municipal Setting Designations (9/2008)**

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.

### **MSWLF Municipal Solid Waste Landfill Sites (8/2008)**

Sites listed within a solid waste landfill database may include active landfills and inactive landfills, where solid waste is treated or stored.



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

## ENVIRONMENTAL RECORDS DEFINITIONS - STATE

### **NOV Notice Of Violations**

**(3/2008)**

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

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

**(4/2008)**

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.

### **PST Petroleum Storage Tanks**

**(7/2008)**

The Petroleum Storage Tank database is administered by the TCEQ (Texas Commission on Environmental Quality). 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.

### **RRCVCP Railroad Commission Vcp And Brownfield Sites**

**(10/2008)**

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**

**(7/2006)**

This TCEQ database contains all sites in the State of Texas that have been designated as Radioactive Waste sites.

### **SF State Superfund**

**(2/2008)**

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). Information in this database includes any recent developments and the anticipated action for these sites.

### **SIEC01 State Institutional/engineering Controls**

**(9/2008)**

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



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

## ENVIRONMENTAL RECORDS DEFINITIONS - STATE

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.

### **SPILLS Spills Listing**

**(1/2008)**

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

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

**(12/2006)**

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 2006 and 2005 calendar years.

### **VCP Voluntary Cleanup Program**

**(9/2008)**

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.

### **WMRF Recycling Facilities**

**(3/2008)**

This listing of recycling facilities is maintained by the Texas Commission on Environmental Quality.



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

## ENVIRONMENTAL RECORDS DEFINITIONS - TRIBAL

<b>INDIANRES</b>	<b>Indian Reservations</b>	<b>(1/2000)</b>
------------------	----------------------------	-----------------

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.

<b>LUSTR06</b>	<b>Leaking Underground Storage Tanks On Tribal Lands</b>	<b>(5/2008)</b>
----------------	--	-----------------

Leaking underground storage tanks on Tribal lands located in Region 6 include the following states: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.

<b>ODINDIAN</b>	<b>Open Dump Inventory On Tribal Lands</b>	<b>(11/2006)</b>
-----------------	--	------------------

Information on facilities or sites on Tribal lands where solid waste is disposed of which is not a sanitary landfill and meets the criteria promulgated under section 6944 of the Solid Waste Disposal Act (42 U.S.C. 6941 et seq.) and is not a facility for disposal of hazardous waste.

<b>USTR06</b>	<b>Underground Storage Tanks On Tribal Lands</b>	<b>(4/2008)</b>
---------------	--	-----------------

Underground storage tanks on Tribal lands located in Region 6 include the following states: Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

## RCRA DESCRIPTIONS

### Acronyms

- RCRAG** - Generator
- RCRAT** - Treatment, Storage & Disposal (Non-Corrupts)
- RCRAC** - Corrective Action

### Generator Types

#### Large Quantity Generators

- Generate 1,000 kg or more of hazardous waste during any calendar month; or
- Generate more than 1 kg of acutely hazardous waste during any calendar month; or
- Generate more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month; or
- Generate 1 kg or less of acutely hazardous waste during any calendar month, and accumulate more than 1kg of acutely hazardous waste at any time; or
- Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulated more than 100 kg of that material at any time.

#### Small Quantity Generators

- Generate more than 100 and less than 1000 kilograms of hazardous waste during any calendar month and accumulate less than 6000 kg of hazardous waste at any time; or
- Generate 100 kg or less of hazardous waste during any calendar month, and accumulate more than 1000 kg of hazardous waste at any time.

#### Conditionally Exempt Small Quantity Generators

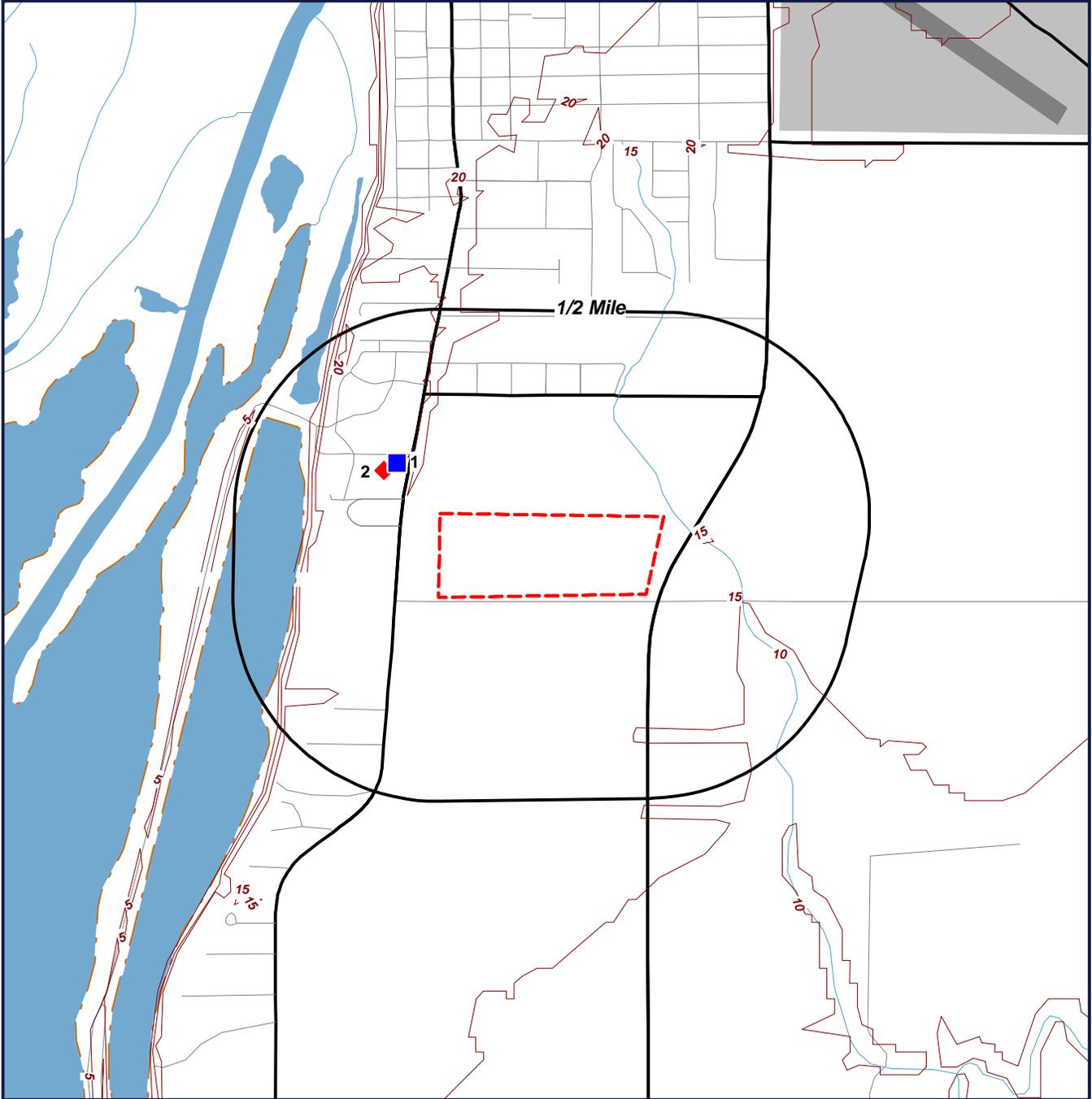
- Generate 100 kilograms or less of hazardous waste per calendar month, and accumulate 1000 kg or less of hazardous waste at any time; or
- Generate one kilogram or less of acutely hazardous waste per calendar month, and accumulate at any time:
  - 1 kg or less of acutely hazardous waste; or
  - 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste; or
- Generate 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, or acutely hazardous waste during any calendar month, and accumulate at any time:
  - 1 kg or less of acutely hazardous waste; or
  - 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste.

Note: Descriptions also apply to No Longer Regulated RCRA sites  
(NLRRCRAG, NLRRCRAT, and NLRRCRAC)



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

# WATER WELL MAP



- TARGET PROPERTY BOUNDARY (TP)
- USGS
- TWDB

**Project #: UEI 0277**  
**Cecil Parker/Polsky Site**  
**Chambers County, TX**

CONTOUR LINES REPRESENTED IN FEET



2705 Bee Caves Rd, Suite 330 - Austin, Texas 78746 - phone: 866-396-0042 - fax: 512-472-9967

## SUMMARY OF LOCATED WATER WELLS

MAP ID#	PAGE #	ID NUMBER	STATE ID#	OWNERS NAME	DATE DRILLED	DEPTH DRILLED (ft.)	STATIC LEVEL (ft.)	WATER USAGE	SOURCE
2	2	TX43192	64-11-807	G.W. SCOTT	1936	110	NR	DOMESTIC	TWDB

NR = NOT REPORTED



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

## SUMMARY OF LOCATED USGS WATER WELLS

MAP ID#	PAGE #	ID NUMBER	BASIN	OWNERS NAME	DATE DRILLED	DEPTH DRILLED (ft.)	WATER USAGE
1	1	2945150944106	EAST GALVESTON BAY	DH-64-11-807	1936	110	GROUND-WATER OTHER THAN SPRING

NR = NOT REPORTED



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

**UNITED STATES GEOLOGICAL SURVEY NATIONAL WATER INFORMATION SYSTEM (USGS)**

**MAP ID# 1**      Distance from Property: 0.17 mi. NW

ID NUMBER:      **294515094410601**  
STATE ID:      **N/A**  
OWNER'S NAME:      **DH-64-11-807**  
DATE DRILLED:      **1936**  
DEPTH DRILLED:      **110'**  
STATIC LEVEL:      **NOT REPORTED**  
WATER USAGE:      **GROUND-WATER OTHER THAN SPRING**  
LONGITUDE:      **-94.685196000**  
LATITUDE:      **29.754389000**  
SOURCE:      **USGS**



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

## TEXAS WATER DEVELOPMENT BOARD GROUNDWATER DATABASE (TWDB)

**MAP ID# 2** Distance from Property: 0.18 mi. NW

ID NUMBER: TX43192  
STATE ID: 64-11-807  
OWNER'S NAME: G.W. SCOTT  
DATE DRILLED: 1936  
DEPTH DRILLED: 110'  
WATER USAGE: DOMESTIC  
LONGITUDE: -94.685751000  
LATITUDE: 29.754112000  
SOURCE: TWDB

64-11-807

9-185—July 1935  
Revised

**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**  
**GEOLOGICAL SURVEY**  
**WATER RESOURCES BRANCH**

F-40

1 S

**WELL SCHEDULE**

Date 5-6, 1941 Field No. 773  
Record by L. G. DAVIS Office No. 302  
Source of data Driller

1. Location: State Texas County Chambers  
Map 1 Miles S. of Alickville  
1/4 sec. T NR E  
W

2. Owner: G. W. Scott Address Adrianas, Tex  
Tenant \_\_\_\_\_ Address \_\_\_\_\_  
Driller Geo. Alshier Address Huntsville, Tex.

3. Topography Flat

4. Elevation 20 ft. above \_\_\_\_\_  
below \_\_\_\_\_

5. Type: Dug, drilled, driven, bored, jetted 1036

6. Depth: Rept. 110 ft. Meas. \_\_\_\_\_ ft.

7. Casing: Diam. 2 in., to \_\_\_\_\_ in., Type WT  
Depth 110 ft., Finish 10' screen


8. Chief Aquifer sand From 97 ft. to 110 ft.  
Others \_\_\_\_\_

9. Water level \_\_\_\_\_ ft. rept. \_\_\_\_\_  
meas. \_\_\_\_\_ 10 \_\_\_\_\_ above  
below \_\_\_\_\_  
which is \_\_\_\_\_ ft. above  
below surface

10. Pump: Type Surface Capacity \_\_\_\_\_ G. M.  
Power: Kind Electric Motor Horsepower 1/2

11. Yield: Flow \_\_\_\_\_ G. M., Pump \_\_\_\_\_ G. M., Meas., Rept. Est. \_\_\_\_\_  
Drawdown \_\_\_\_\_ ft. after \_\_\_\_\_ hours pumping \_\_\_\_\_ G. M.

12. Use: Dom., Stock, PS., RR., Ind., Irr., Obs. \_\_\_\_\_  
Adequacy, permanence \_\_\_\_\_

13. Quality \_\_\_\_\_ Temp \_\_\_\_\_ °F.  
Taste, odor, color \_\_\_\_\_ Sample Yes 5-6-41  
No

Unfit for \_\_\_\_\_

14. Remarks: (Log, Analyses, etc.) Unfit to use as  
due to contractors.

U. S. GOVERNMENT PRINTING OFFICE 8-7473

# TEXAS WATER DEVELOPMENT BOARD GROUNDWATER DATABASE (TWDB)

Page # 2 out of 2  
State ID: 64-11-807

Geological Survey  
State: Texas 49 County: 12  
Local Well No: DH-64-11-807 Location  
Owner: G.W. SCOTT  
Sampled after pumping

Water Resources Division  
Austin, Texas  
M D Y  
Date: 15 6 91  
Sampling Depth: 26 29 30  
Type:

**KEY PUNCHED**

Depth: 110 WSP Q Prod. intervals

K x 10 <sup>6</sup>	R sample	Yield	GPM Ft. of coll.	Date drilled:	Use	Collector	Water level
<u>37</u>	<u>31</u>	<u>36</u>	<u>38</u>	<u>39</u>	<u>36</u>	<u>36</u>	<u>38</u>
pH <u>7.4</u> Temperature °F <u>72</u> epm <u>72</u>							
Density at 20°C <u>1.06</u> ppm <u>78</u>							
SiO <sub>2</sub> A sample <u>1.4</u> mg <u>74</u>							
Al A 0.00150 mg <u>66</u> mg <u>67</u> .00625 mg <u>66</u> mg <u>67</u> .0125 mg <u>66</u> mg <u>67</u> .025 mg <u>66</u> mg <u>67</u>							
Fe A 0.025 mg <u>4</u> ppm <u>28</u> Sample Total <u>4</u> ppm Sample Diss. <u>4</u> ppm							
Mn Total <u>420</u> ppm <u>32</u> Dissolved <u>37</u> ppm <u>49</u>							
Ca <u>37</u> ppm <u>49</u>							
Mg <u>9.5</u> ppm <u>51</u>							
Na <u>200</u> ppm <u>50</u>							
K <u>39</u> ppm <u>61</u>							
Percent error <u>39</u> Total cations <u>61</u>							

HCO <sub>3</sub>	ppm	epm	Appearance	Prod. intervals
<u>48.8</u>	<u>62</u>	<u>65</u>	<u>66</u>	<u>67</u>
Total Alk as CO <sub>2</sub> <u>66</u> mg <u>67</u>				
SO <sub>4</sub> <u>14</u> mg <u>74</u>				
Cl <u>106</u> mg <u>78</u>				
Source <u>79</u> <u>8</u> Card No. <u>80</u> <u>0</u>				
F <u>4</u> mg <u>28</u>				
NO <sub>3</sub> A sample <u>420</u> mg <u>32</u> A <u>29</u> mg <u>29</u> A <u>29</u> mg <u>29</u> A <u>29</u> mg <u>29</u> Factor				
NO <sub>2</sub> A 0.01 mg <u>    </u> ppm .02 mg <u>    </u> ppm .05 mg <u>    </u> ppm Sample <u>    </u> ppm				
PO <sub>4</sub> A 0.0050 mg <u>    </u> ppm .0100 mg <u>    </u> ppm .0250 mg <u>    </u> ppm .0500 mg <u>    </u> ppm Sample <u>    </u> ppm				
Total anions <u>33</u> ppm <u>35</u> Equivalents per mil. ion <u>    </u>				
Na+K <u>    </u> mg <u>    </u> ppm Ca <u>    </u> mg <u>    </u> ppm Mg <u>    </u> mg <u>    </u> ppm HCO <sub>3</sub> +CO <sub>3</sub> <u>    </u> mg <u>    </u> ppm SO <sub>4</sub> <u>    </u> mg <u>    </u> ppm				

Dissolved solids:	Determined	Calculated	Card No.
<u>69</u>	<u>64</u>	<u>69</u>	<u>80</u>
Hardness <u>131</u> mg <u>73</u> epm Ca + Mg <u>131</u> mg <u>73</u> epm Alk <u>    </u> mg <u>74</u> epm NCH <u>    </u> mg <u>77</u>			
Color <u>    </u> pt <u>    </u> Card No. <u>    </u> Br <u>    </u> Card No. <u>    </u>			
Alk. as CaCO <sub>3</sub> <u>    </u> mg <u>    </u> Free CO <sub>2</sub> <u>    </u> mg <u>    </u> Card No. <u>    </u>			
Percent Na <u>    </u> mg <u>    </u> SAR <u>    </u> mg <u>    </u> Card No. <u>    </u> NSR <u>    </u> mg <u>    </u> Card No. <u>    </u>			
Analyst <u>    </u> Checked by <u>    </u> Date begun <u>    </u> Completed <u>    </u>			
Transmittals <u>    </u> Date <u>    </u> Records processing <u>    </u> Collector <u>    </u> Owner <u>    </u>			

Recorded by: \_\_\_\_\_ Punched by: \_\_\_\_\_ Date: \_\_\_\_\_

## WATER WELL RECORDS DEFINITIONS

**SDRD** Submitted Drillers Report Database (3/2008)

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. This system was started in February 2001 and is optional for the drillers to use.

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

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 (5/2008)

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.

**USGS** United States Geological Survey National Water Information System (6/2007)

The USGS National Water Information System includes water-resources data for approximately 1.5 million sites across the United States from 1857 to present. The USGS investigates the occurrence, quantity, quality, distribution, and movement of surface and underground waters and disseminates the data to the public, State and local governments, public and private utilities, and other Federal agencies involved with managing our water resources.



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

## **WATER WELL RECORDS DEFINITIONS**

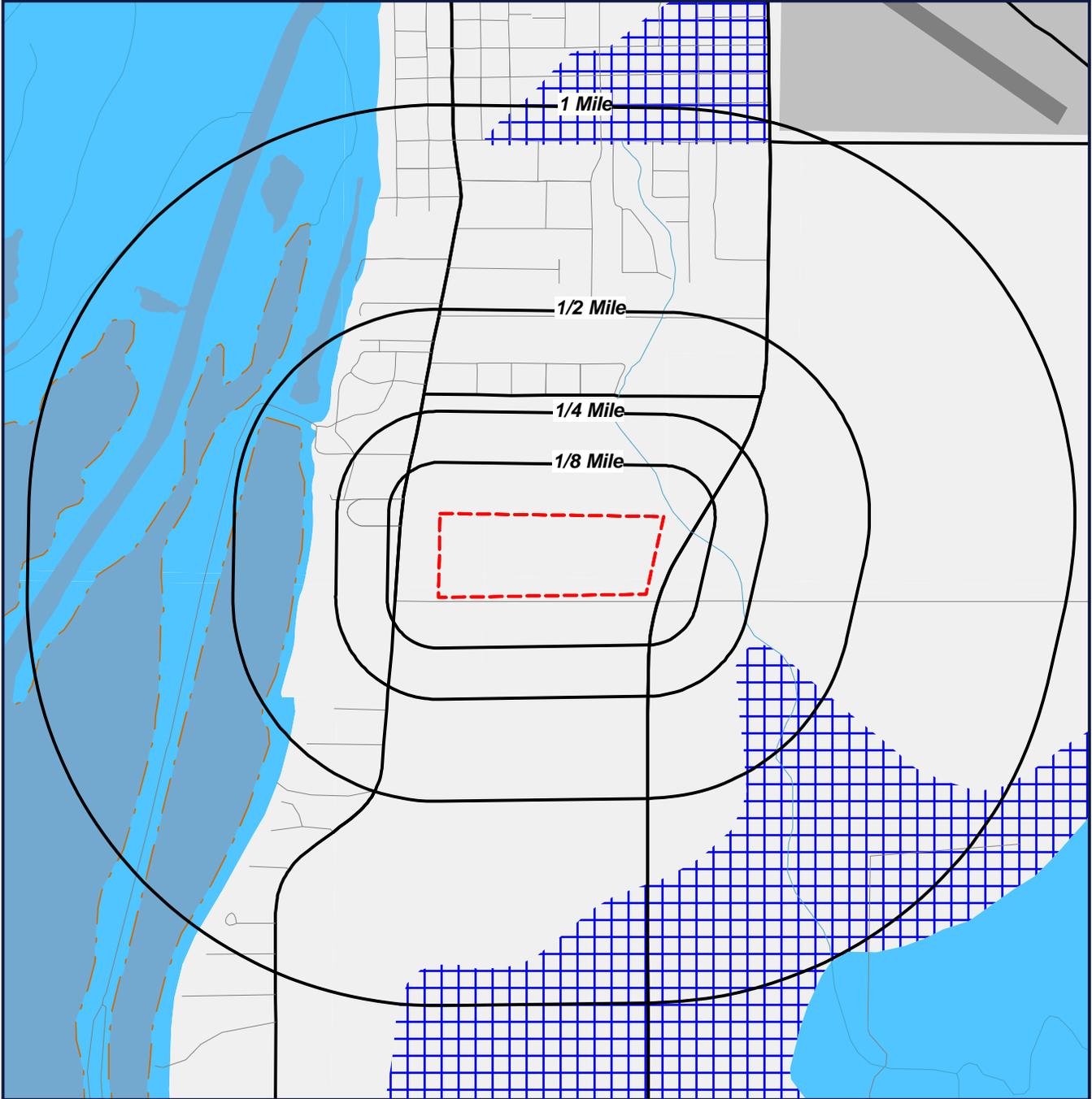
<b>WUD</b>	Water Utility Database
------------	------------------------

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. The information in this report reflects the most current data available from the Water Utility Database at the time of this report.



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

# FEMA MAP



 TARGET PROPERTY BOUNDARY (TP)

- |   |            |   |           |
|---|------------|---|-----------|
|  | ZONE A     |  | ZONE X    |
|  | ZONE AE    |  | ZONE X500 |
|  | ZONE AH    |   |           |
|  | ZONE ANI   |   |           |
|  | ZONE D     |   |           |
|  | ZONE UNDES |   |           |
|  | ZONE V     |   |           |
|  | ZONE VE    |   |           |

**Project #: UEI 0277**  
**Cecil Parker/Polsky Site**  
**Chambers County, TX**

Panel #: 4801190195B



**GeoSearch**

2705 Bee Caves Rd, Suite 330 - Austin, Texas 78746 - phone: 866-396-0042 - fax: 512-472-9967

# FEDERAL EMERGENCY MANAGEMENT AGENCY REPORT

## FEMA - Federal Emergency Management Agency

The information used in this report is derived from the Federal Emergency Management Agency (FEMA). The Q3 Flood Data is developed by electronically scanning the current effective map panels of existing paper Flood Insurance Rate Maps (FIRMs). Certain key features are digitally captured and then converted into area features, such as floodplain boundaries. Q3 Flood Data captures certain key features from the existing paper FIRMs, including:

- 100-year and 500-year (1% and 0.2% annual chance) floodplain areas, including Zone V areas, certain floodway areas (when present on the FIRM), and zone designations
- Coastal Barrier Resources Act (COBRA) areas
- FIRM panel areas, including panel number and suffix

This data was last updated between 1996 and 2000 and is available in select counties throughout the United States.

## FEMA Flood Zone Definitions Relevant to Map

### **A** Zone A

An area inundated by 100 year flooding. No BFEs (base flood elevations) determined.

### **X** Zone X

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

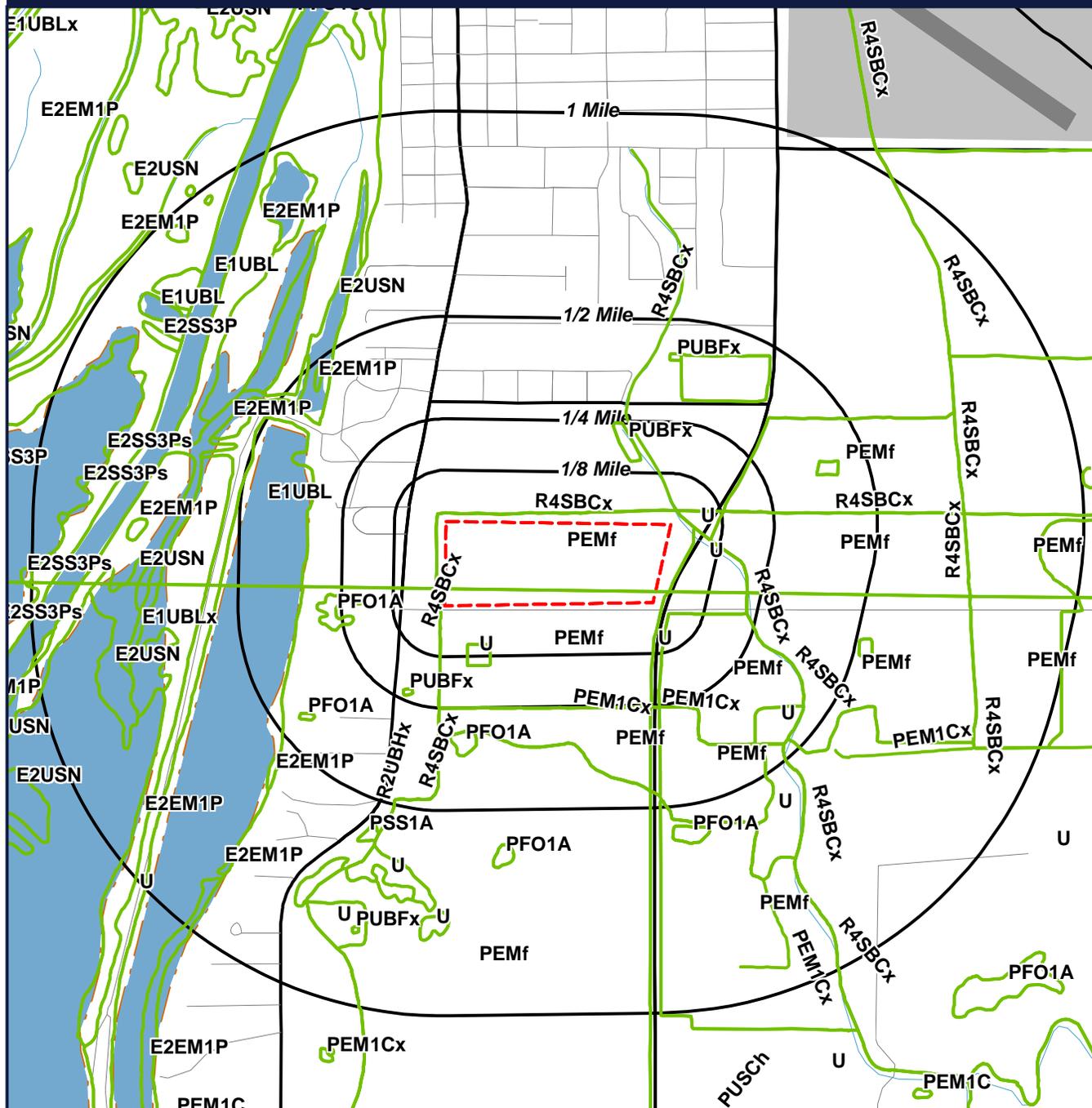
### **X500** Zone X500 (0.2% Annual Chance)

An area inundated by 500-year flooding; an area inundated by 100-year flooding with average depths of less than 1 foot or with drainage areas less than 1 square mile; or an area protected by levees from 100-year flooding.



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

NWI MAP



TARGET PROPERTY BOUNDARY (TP)

NWI BOUNDARY

**Project #: UEI 0277**  
**Cecil Parker/Polisky Site**  
**Chambers County, TX**



2705 Bee Caves Rd, Suite 330 - Austin, Texas 78746 - phone: 866-396-0042 - fax: 512-472-9967

# NATIONAL WETLANDS INVENTORY 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 Relevant to Map

### E1UBL

SYSTEM: **ESTUARINE**  
SUBSYSTEM: **SUBTIDAL**  
CLASS: **UNCONSOLIDATED BOTTOM**  
WATER REGIME: **SUBTIDAL**

### E1UBLx

SYSTEM: **ESTUARINE**  
SUBSYSTEM: **SUBTIDAL**  
CLASS: **UNCONSOLIDATED BOTTOM**  
WATER REGIME: **SUBTIDAL**  
SPECIAL MODIFIER: **EXCAVATED**

### E2EM1N

SYSTEM: **ESTUARINE**  
SUBSYSTEM: **INTERTIDAL**  
CLASS: **EMERGENT**  
SUBCLASS: **PERSISTENT**  
WATER REGIME: **REGULARLY FLOODED**

### E2EM1P

SYSTEM: **ESTUARINE**  
SUBSYSTEM: **INTERTIDAL**  
CLASS: **EMERGENT**  
SUBCLASS: **PERSISTENT**  
WATER REGIME: **IRREGULARLY FLOODED**



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

## NATIONAL WETLANDS INVENTORY REPORT

### E2SS3P

SYSTEM: **ESTUARINE**  
SUBSYSTEM: **INTERTIDAL**  
CLASS: **SCRUB-SHRUB**  
SUBCLASS: **BROAD-LEAVED EVERGREEN**  
WATER REGIME: **IRREGULARLY FLOODED**

### E2SS3Ps

SYSTEM: **ESTUARINE**  
SUBSYSTEM: **INTERTIDAL**  
CLASS: **SCRUB-SHRUB**  
SUBCLASS: **BROAD-LEAVED EVERGREEN**  
WATER REGIME: **IRREGULARLY FLOODED**

### E2USN

SYSTEM: **ESTUARINE**  
SUBSYSTEM: **INTERTIDAL**  
CLASS: **UNCONSOLIDATED SHORE**  
WATER REGIME: **REGULARLY FLOODED**

### PAB3Fx

SYSTEM: **PALUSTRINE**  
CLASS: **AQUATIC BED**  
SUBCLASS: **ROOTED VASCULAR**  
WATER REGIME: **SEMIPERMANENTLY FLOODED**  
SPECIAL MODIFIER: **EXCAVATED**

### PEM1C

SYSTEM: **PALUSTRINE**  
CLASS: **EMERGENT**  
SUBCLASS: **PERSISTENT**  
WATER REGIME: **SEASONALLY FLOODED**

### PEM1Cx

SYSTEM: **PALUSTRINE**  
CLASS: **EMERGENT**  
SUBCLASS: **PERSISTENT**  
WATER REGIME: **SEASONALLY FLOODED**  
SPECIAL MODIFIER: **EXCAVATED**



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

# NATIONAL WETLANDS INVENTORY REPORT

## PEMf

SYSTEM: **PALUSTRINE**  
CLASS: **EMERGENT**  
SPECIAL MODIFIER: **FARMED**

## PFO1A

SYSTEM: **PALUSTRINE**  
CLASS: **FORESTED**  
SUBCLASS: **BROAD-LEAVED DECIDUOUS**  
WATER REGIME: **TEMPORARILY FLOODED**

## PSS1A

SYSTEM: **PALUSTRINE**  
CLASS: **SCRUB-SHRUB**  
SUBCLASS: **BROAD-LEAVED DECIDUOUS**  
WATER REGIME: **TEMPORARILY FLOODED**

## PUBFx

SYSTEM: **PALUSTRINE**  
CLASS: **UNCONSOLIDATED BOTTOM**  
WATER REGIME: **SEMIPERMANENTLY FLOODED**  
SPECIAL MODIFIER: **EXCAVATED**

## R2UBHx

SYSTEM: **RIVERINE**  
SUBSYSTEM: **LOWER PERENNIAL**  
CLASS: **UNCONSOLIDATED BOTTOM**  
WATER REGIME: **PERMANENTLY FLOODED**  
SPECIAL MODIFIER: **EXCAVATED**

## R4SBCx

SYSTEM: **RIVERINE**  
SUBSYSTEM: **INTERMITTENT**  
CLASS: **STREAMBED**  
WATER REGIME: **SEASONALLY FLOODED**  
SPECIAL MODIFIER: **EXCAVATED**

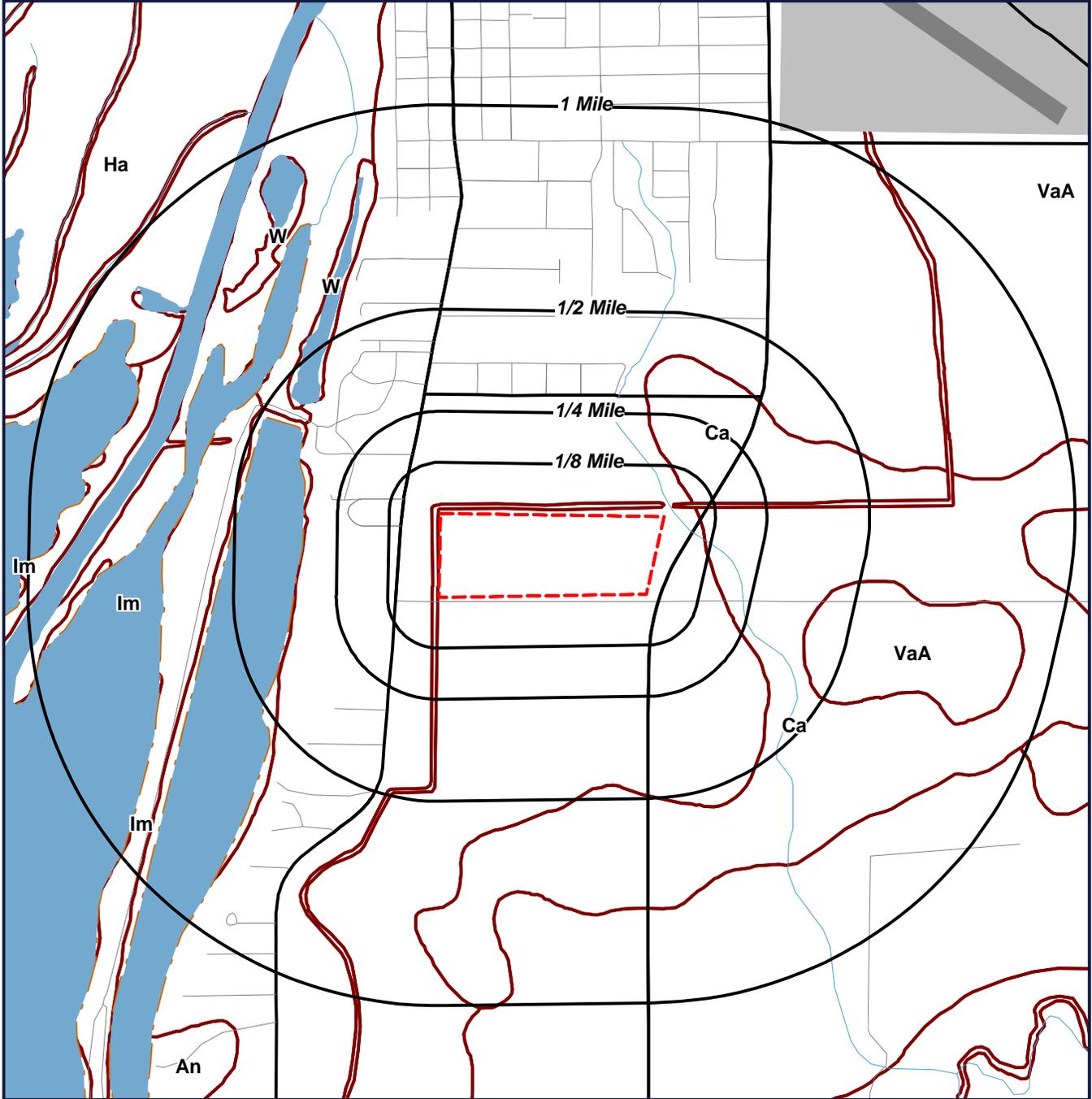
## U

SYSTEM: **UNKNOWN**



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

# SOIL SURVEY MAP



 TARGET PROPERTY BOUNDARY (TP)

 SOIL BOUNDARY

**Project #: UEI 0277**  
**Cecil Parker/Polsky Site**  
**Chambers County, TX**



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

**GeoSearch**

2705 Bee Caves Rd, Suite 330 - Austin, Texas 78746 - phone: 866-396-0042 - fax: 512-472-9967

# SOIL SURVEY 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 Relevant to Map

### Be BEAUMONT CLAY

THE BEAUMONT SERIES CONSISTS OF VERY DEEP, POORLY DRAINED, VERY SLOWLY PERMEABLE SOILS THAT FORMED IN CLAYEY SEDIMENTS ON LOW UPLANDS. IT HAS A DARK GRAY CLAY SURFACE TO A DEPTH OF 9 INCHES THAT HAS YELLOWISH RED MOTTLES. FROM 9 TO 56 INCHES IS A GRAY CLAY MOTTLED WITH YELLOW, BROWN AND RED. FROM 56 TO 80 INCHES IS LIGHT GRAY CLAY THAT HAS RED AND YELLOW MOTTLES.

### Ca CALHOUN SILT LOAM, SANDY VARIANT (VIMVILLE)

THE VIMVILLE SERIES CONSISTS OF POORLY DRAINED SOILS ON NEARLY LEVEL UPLANDS AND MARINE TERRACES. THESE SOILS HAVE FORMED IN LOAMY MARINE OR FLUVIAL SEDIMENTS. THEY HAVE DARK GRAYISH-BROWN LOAMY SURFACE LAYERS. A GRAY LOAM SUBSURFACE LAYER, AND A GRAY CLAY LOAM SUBSOIL.

### Ha HARRIS CLAY

THE HARRIS SERIES IS A SALINE AND VERY POORLY DRAINED SOIL WITH VERY SLOW INTERNAL DRAINAGE AND PERMANENT HIGH WATER TABLE. THE SOIL HAS A VERY DARK GRAY CLAY SURFACE LAYER ABOUT 19 INCHES THICK. THE SUBSOIL IS A DARK GRAY CLAY TO 44 INCHES. THE UNDERLYING LAYER TO 60 INCHES IS GRAY SILTY CLAY.

### Im IJAM SOILS

IJAM SOILS ARE VERY DEEP, POORLY DRAINED, VERY SLOWLY PERMEABLE SOILS THAT FORMED IN MATERIALS DREDGED FROM RIVERS, BAYS OR CANALS. THEY HAVE A THIN DARK GRAY CLAYEY SURFACE ABOUT 8 INCHES THICK AND A MOTTLED, GRAYISH CLAYEY LOWER LAYER.

### Mo MOREY SILT LOAM, LEVELLED

THE MOREY SERIES CONSISTS OF VERY DEEP, SOMEWHAT POORLY DRAINED, SLOWLY PERMEABLE, NEARLY LEVEL OR LOW MOUNDED SOILS ON UPLANDS. THE SOIL FORMED IN DELTAIC ALLUVIUM HIGH IN SILT. IN A REPRESENTATIVE PROFILE, THE SURFACE LAYER IS VERY DARK GRAY LOAM ABOUT 9 INCHES THICK. THE SUBSOIL IS VERY DARK GRAY CLAY LOAM IN THE UPPER PART AND GRADES TO DARK GRAY AND GRAYISH BROWN CLAY LOAM THAT CONTAINS FEW TO COMMON MOTTLES IN SHADES OF BROWN AND YELLOW.

### VaA VAIDEN CLAY, 0 TO 1 PERCENT SLOPES (VAMONT)

THE BEVIL SERIES CONSISTS OF VERY DEEP, POORLY DRAINED VERY SLOWLY PERMEABLE SOILS ON TERRACES THAT FORMED IN CLAYEY SEDIMENTS. IN A REPRESENTATIVE PEDON, THE SURFACE LAYER IS GRAY CLAY 9 INCHES THICK.



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

## SOIL SURVEY REPORT

FROM 9 TO 34 INCHES IS DARK GRAY CLAY. FROM 34 TO 55 INCHES IS GRAY CLAY. BELOW TO 80 INCHES IS LIGHT GRAY CLAY.

**W** WATER (GREATER THAN 40 ACRES IN SIZE)



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

## MAJOR AQUIFERS OF TEXAS

### Gulf Coast

#### DESCRIPTION

The Gulf Coast aquifer forms a wide belt along the Gulf of Mexico from Florida to Mexico. In Texas, the aquifer provides water to all or parts of 54 counties and extends from the Rio Grande northeastward to the Louisiana-Texas border.

Municipal and irrigation uses account for 90 percent of the total pumpage from the aquifer. The Greater Houston metropolitan area is the largest municipal user, where well yields average about 1,600 gal/min.

The aquifer consists of complex interbedded clays, silts, sands, and gravels of Cenozoic age, which are hydrologically connected to form a large, leaky artesian aquifer system. This system comprises four major components consisting of the following generally recognized water-producing formations. The deepest is the Catahoula, which contains ground water near the outcrop in relatively restricted sand layers. Above the Catahoula is the Jasper aquifer, primarily contained within the Oakville Sandstone. The Burkeville confining layer separates the Jasper from the overlying Evangeline aquifer, which is contained within the Fleming and Goliad sands. The Chicot aquifer, or upper component of the Gulf Coast aquifer system, consists of the Lissie, Willis, Bentley, Montgomery, and Beaumont formations, and overlying alluvial deposits. Not all formations are present throughout the system, and nomenclature often differs from one end of the system to the other.

Maximum total sand thickness ranges from 700 feet in the south to 1,300 feet in the northern extent.

Water quality is generally good in the shallower portion of the aquifer. Ground water containing less than 500 mg/l dissolved solids is usually encountered to a maximum depth of 3,200 feet in the aquifer from the San Antonio River Basin northeastward to Louisiana. From the San Antonio River Basin southwestward to Mexico, quality deterioration is evident in the form of increased chloride concentration and saltwater encroachment along the coast. Little of this ground water is suitable for prolonged irrigation due to either high salinity or alkalinity, or both. In several areas at or near the coast, including Galveston Island and the central and southern parts of Orange County, heavy municipal or industrial pumpage had previously caused an updip migration, or saltwater intrusion, of poor-quality water into the aquifer. Recent reductions in pumpage here have resulted in a stabilization and, in some cases, even improvement of ground-water quality.

Years of heavy pumpage for municipal and manufacturing use in portions of the aquifer have resulted in areas of significant water-level decline. Declines of 200 feet to 300 feet have been measured in some areas of eastern and southeastern Harris and northern Galveston counties. Other areas of significant water-level declines include the Kingsville area in Kleberg County and portions of Jefferson, Orange, and Wharton counties. Some of these declines have resulted in compaction of



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

## MAJOR AQUIFERS OF TEXAS

dewatered clays and significant land surface subsidence. Subsidence is generally less than 0.5 foot over most of the Texas coast, but has been as much as nine feet in Harris and surrounding counties. As a result, structural damage and flooding have occurred in many low-lying areas along Galveston Bay in Baytown, Texas City, and Houston. Conversion to surface-water use in many of the problem areas has reversed the decline trend.

### References

- Baker, E.T., Jr., 1979, Stratigraphic and hydrogeologic framework of part of the Coastal Plain of Texas: TDWR Rept. 236, 43 p.
- Guyton, W.F., and Associates, 1972, Ground-water conditions in Anderson, Cherokee, Freestone, and Henderson counties, Texas: TWDB Rept. 150, 80 p.
- McCoy, T.W., 1990, Evaluation of ground-water resources in the Lower Rio Grande Valley, Texas: TWDB Rept. 316, 48 p.
- Muller, D.A., and Price, R.D., 1979, Ground-water availability in Texas, estimates and projections through 2030: TDWR Rept. 238, 77 p.
- Sandeen, W.M., and Wesselman, J.B., 1973, Ground-water resources of Brazoria County, Texas: TWDB Rept. 163, 205 p.
- Shafer, G.H., 1968, Ground-water resources of Nueces and San Patricio counties, Texas: TWDB Rept. 73, 137 p.
- \_\_\_\_\_, 1970, Ground-water resources of Aransas County, Texas: TWDB Rept. 124, 83 p.
- Shafer, G.H., and Baker, E.T., Jr., 1973, Ground-water resources of Kleberg, Kenedy, and southern Jim Wells counties, Texas: TWDB Rept. 173, 69 p.
- Thorkildsen, D., 1990, Evaluation of water resources of Fort Bend County, Texas: TWDB Rept. 321, 21 p.
- Thorkildsen, D., and Quincy, R., 1990, Evaluation of water resources of Orange and eastern Jefferson counties, Texas: TWDB Rept. 320, 34 p.
- Wesselman, J.B., 1967, Ground-water resources of Jasper and Newton counties, Texas: TWDB Rept. 59, 167 p.
- Wesselman, J.B., and Aronow, S., 1971, Ground-water resources of Chambers and Jefferson counties, Texas: TWDB Rept. 133, 183 p.



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967



---

## **OIL/GAS & PIPELINE REPORT**

---

*Target Property:*

**Cecil Parker/Polsky Site  
Chambers County, TX  
Project #: UEI 0277**

*Prepared For:*

**ECS - Houston**

**Job #: 78095 / Date: 10/26/08**

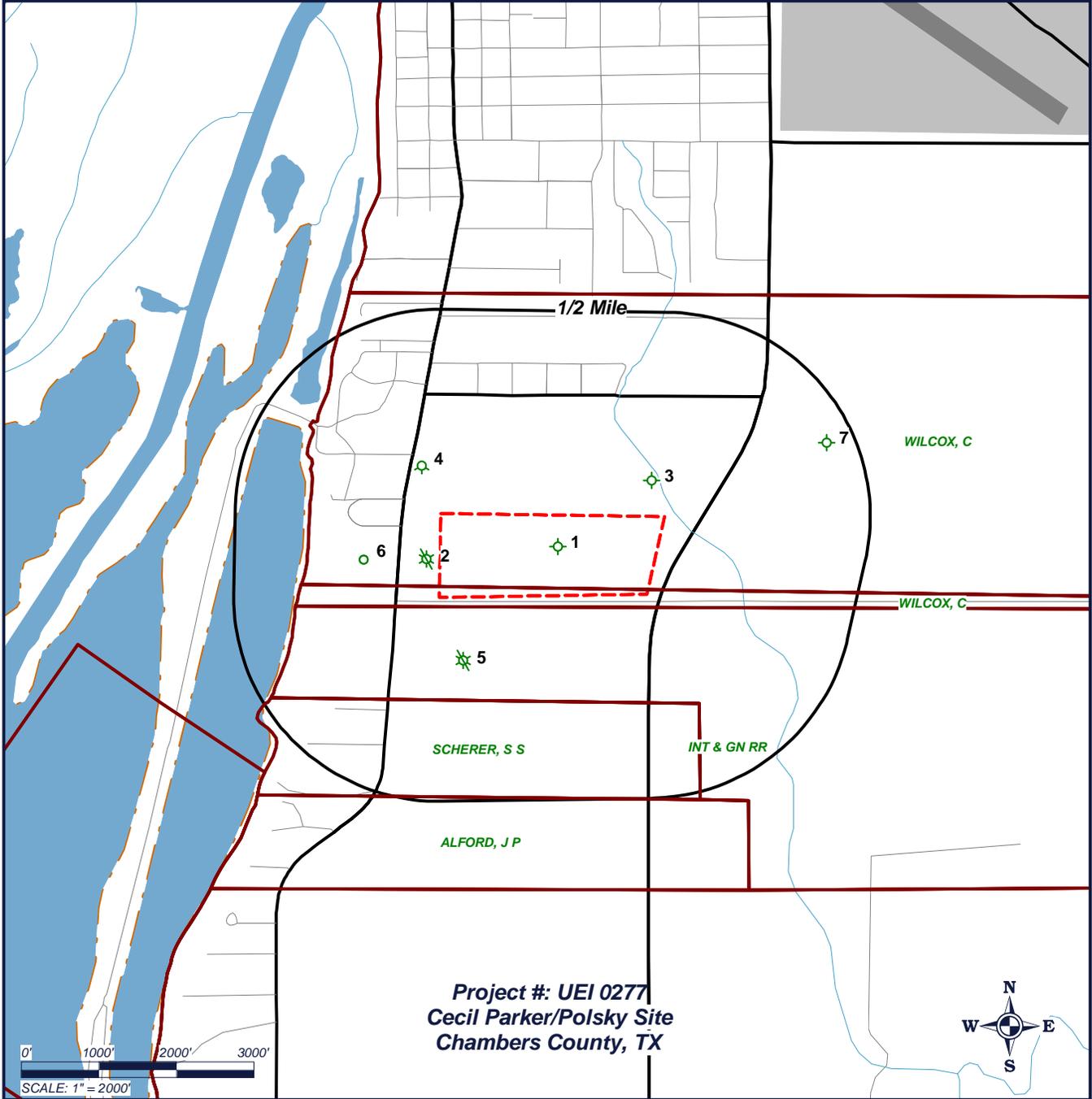
## DATABASE FINDINGS SUMMARY

DATABASE	ACRONYM	LOCA- TABLE	UNLOCA- TABLE	SEARCH RADIUS
<u>STATE</u>				
OIL / GAS	OG	7	0	0.500 miles
TOTAL		7	0	



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

# OIL / GAS WELL MAP



TARGET PROPERTY BOUNDARY (TP)	SURVEY LINE		
PERMITTED LOCATION	INJECTION OR DISPOSAL	INJECTION/DISPOSAL GAS	STORAGE WELL
CANCELLED LOCATION	CORE TEST	INJECTION/DISPOSAL OIL/GAS	SERVICE WELL
DRY HOLE	SULFUR CORE TEST	BRINE MINING	STORAGE OIL/GAS
OIL	OIL STORAGE	WATER SUPPLY	INJECTION/DISPOSAL FROM STORAGE
GAS	GAS STORAGE	WATER SUPPLY FROM OIL	INJECTION/DISPOSAL FROM STORAGE/OIL
OIL/GAS	SHUT-IN OIL	WATER SUPPLY FROM GAS	INJECTION/DISPOSAL FROM STORAGE/GAS
PLUGGED OIL	SHUT-IN GAS	WATER SUPPLY FROM OIL/GAS	SERVICE FROM STORAGE/GAS
PLUGGED GAS	INJECTION/DISPOSAL OIL	OBSERVATION WELL	PLUGGED STORAGE
PLUGGED OIL/GAS			PLUGGED BRINE MINING

**GeoSearch**

2705 Bee Caves Rd, Suite 330 - Austin, Texas 78746 - phone: 866-396-0042 - fax: 512-472-9967

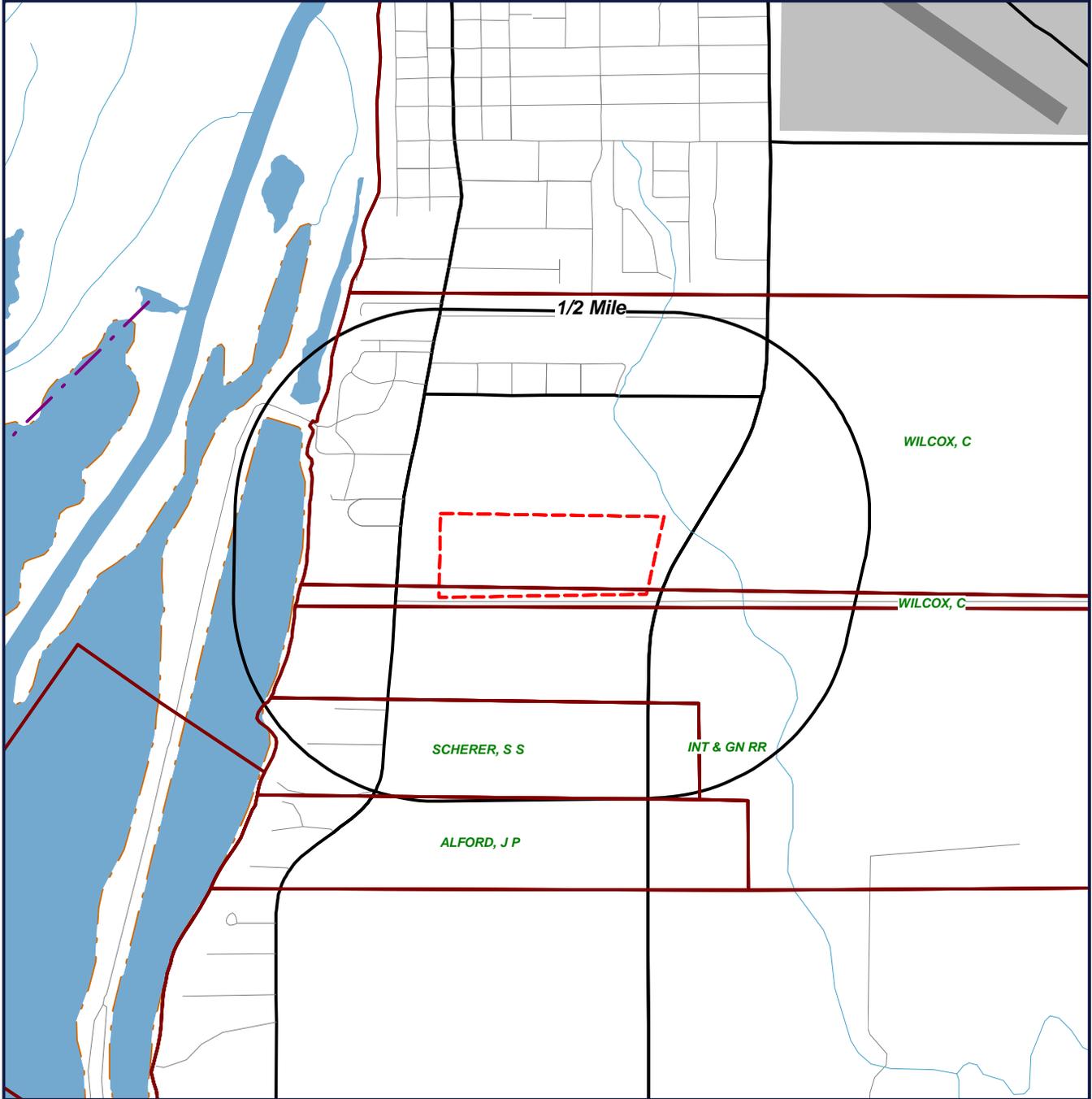
## OIL & GAS WELL REPORT

MAP ID	API #	WELL #	OPERATOR NAME	LEASE NAME	COMP. DATE	PLUG DATE	T.D.	WELL TYPE	LATITUDE	LONGITUDE
1	071	1	NR	NR	NR	NR	NR	DRY HOLE	29.7517	-94.6787
2	071	1	NR	NR	NR	NR	NR	PLUGGED GAS WELL	29.7511	-94.6840
3	07131009	3	CHAMBLISS, GROVER C., JR.	NR	NR	02/27/1980	9134.0	DRY HOLE	29.7540	-94.6749
4	07132201	1	FAMCOR OIL, INC	SANDLIN	NR	NR	9419.0	SHUT-IN WELL (GAS)	29.7545	-94.6842
5	071	1	NR	NR	NR	NR	NR	PLUGGED GAS WELL	29.7475	-94.6824
6	071	1	NR	NR	NR	NR	NR	PERMITTED LOCATION	29.7512	-94.6865
7	07130884	2	CHAMBLISS, GROVER C., JR.	NR	NR	09/14/1978	9114.0	DRY HOLE	29.7555	-94.6678



2705 Bee Caves Rd, Suite 330 · Austin, Texas 78746 · phone: 888-396-0042 · fax: 512-472-9967

# PIPELINE MAP



 TARGET PROPERTY BOUNDARY (TP)

PIPELINE   
SURVEY LINE 

**Project #: UEI 0277**  
**Cecil Parker/Polsky Site**  
**Chambers County, TX**



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

**GeoSearch**

2705 Bee Caves Rd, Suite 330 - Austin, Texas 78746 - phone: 866-396-0042 - fax: 512-472-9967

**PIPELINE REPORT**

**NO PIPELINE DATA WAS FOUND WITHIN THIS BOUNDARY**